

STEREO Publications for Senior Review 2017

2017

Ackermann, M., Allafort, A., Baldini, L., Barbiellini, G., Bastieri, D., Bellazzini, R., Bissaldi, E., Bonino, R., Bottacini, E., Bregeon, J., Bruel, P., Buehler, R., Cameron, R. A., Caragiulo, M., Caraveo, P. A., Cavazzuti, E., Cecchi, C., Charles, E., Ciprini, S., Costanza, F., Cutini, S., D'Ammando, F., de Palma, F., Desiante, R., Digel, S. W., Di Lalla, N., Di Mauro, M., Di Venere, L., Drell, P. S., Favuzzi, C., Fukazawa, Y., Fusco, P., Gargano, F., Giglietto, N., Giordano, F., Giroletti, M., Grenier, I. A., Guillemot, L., Guiriec, S., Jogler, T., Jóhannesson, G., Kashapova, L., Krucker, S., Kuss, M., La Mura, G., Larsson, S., Latronico, L., Li, J., Liu, W., Longo, F., Loparco, F., Lubrano, P., Magill, J. D., Maldera, S., Manfreda, A., Mazziotta, M. N., Mitthumsiri, W., Mizuno, T., Monzani, M. E., Morselli, A., Moskalenko, I. V., Negro, M., Nuss, E., Ohsugi, T., Omodei, N., Orlando, E., Pal'shin, V., Paneque, D., Perkins, J. S., Pesce-Rollins, M., Petrosian, V., Piron, F., Principe, G., Rainò, S., Rando, R., Razzano, M., Reimer, O., Rubio da Costa, F., Sgrò, C., Simone, D., Siskind, E. J., Spada, F., Spandre, G., Spinelli, P., Tajima, H., Thayer, J. B., Torres, D. F., Troja, E., Vianello, G. : 2017, *The Astrophysical Journal* 835, 219. doi: [10.3847/1538-4357/835/2/219](https://doi.org/10.3847/1538-4357/835/2/219).

Fermi-LAT Observations of High-energy Behind-the-limb Solar Flares.

Cabezas, D., Martínez, L.M., Buleje, Y.J., Ishitsuka, M., Ishitsuka, J.K., Morita, S., Asai, A., UeNo, S., Ishii, T.T., Ritai, R.: 2017, *The Astrophysical Journal*, 836, 33. doi: [10.3847/1538-4357/836/1/33](https://doi.org/10.3847/1538-4357/836/1/33).

"Dandelion" Filament Eruption and Coronal Waves Associated with a Solar Flare on 2011 February 16.

Desai, M., Giacalone, J.: 2017, *Living Reviews in Solar Physics*, 13, 3. doi:10.1007/s41116-016-0002-5.

Large gradual solar energetic particle events.

Effenberger, F., Rubio da Costa, F., Oka, M., Saint-Hilaire, P., Liu, W., Petrosian, V., Glesener, L., Krucker, S. : 2017, *The Astrophysical Journal* 835, 124. doi:[10.3847/1538-4357/835/2/124](https://doi.org/10.3847/1538-4357/835/2/124).
Hard X-Ray Emission from Partially Occulted Solar Flares: RHESSI Observations in Two Solar Cycles.

Goyal, R., Sharma, R. P., Kumar, S.: 2017, *Journal of Geophysical Research (Space Physics)*, 121. doi:[10.1002/2016JA023274](https://doi.org/10.1002/2016JA023274).

Nonlinear effects associated with quasi-electrostatic whistler waves relevant to that in radiation belts.

Hess, P., Colaninno, R.C.: 2017, *The Astrophysical Journal*, 836 134. doi:[10.3847/1538-4357/aa5b85](https://doi.org/10.3847/1538-4357/aa5b85).

Comparing Automatic CME Detections in Multiple LASCO and SECCHI Catalogs.

Howard, T. A., DeForest, C. E., Schneck, U. G., Alden, C. R. : 2017, *The Astrophysical Journal* 834, 86. doi:[10.3847/1538-4357/834/1/86](https://doi.org/10.3847/1538-4357/834/1/86).

Challenging Some Contemporary Views of Coronal Mass Ejections. II. The Case for Absent Filaments.

Hui, M.-T., Li, J. : 2017, *The Astronomical Journal* 153, 23. doi:[10.3847/1538-3881/153/1/23](https://doi.org/10.3847/1538-3881/153/1/23).
Resurrection of (3200) Phaethon in 2016.

Jin, M., Manchester, W. B., van der Holst, B., Sokolov, I., Tóth, G., Mullinix, R. E., Taktakishvili, A., Chulaki, A., Gombosi, T. I. : 2017, The Astrophysical Journal 834, 173. doi: [10.3847/1538-4357/834/2/173](https://doi.org/10.3847/1538-4357/834/2/173).

Data-constrained Coronal Mass Ejections in a Global Magnetohydrodynamics Model.

Jin, M., Manchester, W. B., van der Holst, B., Sokolov, I., Tóth, G., Vourlidas, A., de Koning, C. A., Gombosi, T. I. : 2017, The Astrophysical Journal 834, 172. doi:[10.3847/1538-4357/834/2/172](https://doi.org/10.3847/1538-4357/834/2/172).
Chromosphere to 1 AU Simulation of the 2011 March 7th Event: A Comprehensive Study of Coronal Mass Ejection Propagation.

Joshi, B., Kushwaha, U., Veronig, A. M., Dhara, S. K., Shanmugaraju, A., Moon, Y.-J. : 2017, The Astrophysical Journal 834, 42. doi:[10.3847/1538-4357/834/1/42](https://doi.org/10.3847/1538-4357/834/1/42).

Formation and Eruption of a Flux Rope from the Sigmoid Active Region NOAA 11719 and Associated M6.5 Flare: A Multi-wavelength Study.

Kay, C., Gopalswamy, N., Reinard, A., Opher, M.: 2017, The Astrophysical Journal 835, 117. doi: [10.3847/1538-4357/835/2/117](https://doi.org/10.3847/1538-4357/835/2/117).

Predicting the Magnetic Field of Earth-impacting CMEs.

Kellogg, P.J.: 2017, Journal of Geophysical Research (Space Physics) 122. doi: [10.1002/2016JA023073](https://doi.org/10.1002/2016JA023073).

Note on the Pantellini et al. process for dust impact signals on spacecraft.

Liu, Y. D., Hu, H., Zhu, B., Luhmann, J. G., Vourlidas, A. : 2017, The Astrophysical Journal 834, 158. doi:[10.3847/1538-4357/834/2/158](https://doi.org/10.3847/1538-4357/834/2/158).

Structure, Propagation, and Expansion of a CME-driven Shock in the Heliosphere: A Revisit of the 2012 July 23 Extreme Storm.

Long, D. M., Bloomfield, D. S., Chen, P. F., Downs, C., Gallagher, P. T., Kwon, R.-Y., Vanninathan, K., Veronig, A. M., Vourlidas, A., Vrsnak, B., Warmuth, A., Zic, T. : 2017, Solar Physics 292, 7. doi: [10.1007/s11207-016-1030-y](https://doi.org/10.1007/s11207-016-1030-y).

Understanding the Physical Nature of Coronal "EIT Waves".

López, F. M., Hebe Cremades, M., Nuevo, F. A., Balmaceda, L. A., Vásquez, A. M. : 2017, Solar Physics 292, 6. doi:[10.1007/s11207-016-1031-x](https://doi.org/10.1007/s11207-016-1031-x).

Mass-Loss Evolution in the EUV Low Corona from SDO/AIA Data.

Lowder, C., Qiu, J., Leamon, R. : 2017, Solar Physics 292, #18. doi:[10.1007/s11207-016-1041-8](https://doi.org/10.1007/s11207-016-1041-8).
Coronal Holes and Open Magnetic Flux over Cycles 23 and 24.

Lu, L., Inhester, B., Feng, L., Liu, S., Zhao, X. : 2017, The Astrophysical Journal 835, 188. doi: [10.3847/1538-4357/835/2/188](https://doi.org/10.3847/1538-4357/835/2/188).

Measure the Propagation of a Halo CME and Its Driven Shock with the Observations from a Single Perspective at Earth.

Sanchez-Diaz, E., Rouillard, A. P., Davies, J. A., Lavraud, B., Sheeley, N. R., Pinto, R. F., Kilpua, E., Plotnikov, I., Genot, V. : 2017, The Astrophysical Journal 835, L7. doi: [10.3847/2041-8213/835/1/L7](https://doi.org/10.3847/2041-8213/835/1/L7).

Observational Evidence for the Associated Formation of Blobs and Raining Inflows in the Solar Corona.

- Shen, J., Wang, Y., Zhou, T., Ji, H. : 2017, The Astrophysical Journal 835, 43. doi: [10.3847/1538-4357/835/1/43](https://doi.org/10.3847/1538-4357/835/1/43).
Initiation Processes for the 2013 May 13 X1.7 Limb Flare.
- Tappin, S. J., Eyles, C. J., Davies, J. A. : 2017, Solar Physics 292, 28. doi:[10.1007/s11207-017-1052-0](https://doi.org/10.1007/s11207-017-1052-0)
On the Long-Term Evolution of the Sensitivity of the STEREO HI-1 Cameras.
- Vasquez, B.J., Farrugia, C.J., Simunac, K. D. C., Galvin, A.B., Berdichevsky , D.B: 2017, Journal of Geophysical Research (Space Physics). doi:[10.1002/2016JA023636](https://doi.org/10.1002/2016JA023636).
Concerning the Helium-to-Hydrogen Number Density Ratio in Very Slow Ejecta and Winds near Solar Minimum.
- Wang, W., Liu, R., Wang, Y. : 2017, The Astrophysical Journal 834, 38. doi: [10.3847/1538-4357/834/1/38](https://doi.org/10.3847/1538-4357/834/1/38).
Tornado-like Evolution of a Kink-unstable Solar Prominence.
- Zelina, P., Dalla, S., Cohen, C. M. S., Mewaldt, R. A. : 2017, The Astrophysical Journal 835, 71. doi:[10.3847/1538-4357/aa5274](https://doi.org/10.3847/1538-4357/aa5274).
Time Evolution of Elemental Ratios in Solar Energetic Particle Events.
- Zong, W., Dai, Y. : 2017, The Astrophysical Journal 834, L15. doi:[10.3847/2041-8213/834/2/L15](https://doi.org/10.3847/2041-8213/834/2/L15).
Mode Conversion of a Solar Extreme-ultraviolet Wave over a Coronal Cavity.

2016

- Abbo, L., Ofman, L., Antiochos, S. K., Hansteen, V. H., Harra, L., Ko, Y.-K., Lapenta, G., Li, B., Riley, P., Strachan, L., von Steiger, R., Wang, Y.-M. : 2016, Space Science Reviews 201, 55. doi: [10.1007/s11214-016-0264-1](https://doi.org/10.1007/s11214-016-0264-1).
Slow Solar Wind: Observations and Modeling.
- Ablaßmayer, J., Tautz, R. C., Dresing, N. : 2016, Physics of Plasmas 23, 012901. doi: [10.1063/1.4939023](https://doi.org/10.1063/1.4939023).
Transport of solar electrons in the turbulent interplanetary magnetic field.
- Alzate, N., Morgan, H. : 2016, The Astrophysical Journal 823, 129. doi:[10.3847/0004-637X/823/2/129](https://doi.org/10.3847/0004-637X/823/2/129).
Jets, Coronal "Puffs," and a Slow Coronal Mass Ejection Caused by an Opposite-polarity Region within an Active Region Footpoint.
- Aparna, V., Tripathi, D. : 2016, The Astrophysical Journal 819, 71. doi:[10.3847/0004-637X/819/1/71](https://doi.org/10.3847/0004-637X/819/1/71).
A Hot Flux Rope Observed by SDO/AIA.
- Awasthi, A. K., Sylwester, B., Sylwester, J., Jain, R. : 2016, The Astrophysical Journal 823, 126. doi:[10.3847/0004-637X/823/2/126](https://doi.org/10.3847/0004-637X/823/2/126).
Thermal Characteristics and the Differential Emission Measure Distribution During a B8.3 Flare on 2009 July 4.
- Bain, H. M., Mays, M. L., Luhmann, J. G., Li, Y., Jian, L. K., Odstrcil, D. : 2016, The Astrophysical Journal 825, 1. doi:[10.3847/0004-637X/825/1/1](https://doi.org/10.3847/0004-637X/825/1/1).
Shock Connectivity in the August 2010 and July 2012 Solar Energetic Particle Events Inferred from Observations and ENLIL Modeling.

Blanco-Cano, X., Kajdic, P., Aguilar-Rodríguez, E., Russell, C. T., Jian, L. K., Luhmann, J. G. : 2016, Journal of Geophysical Research (Space Physics) 121, 992. doi:[10.1002/2015JA021645](https://doi.org/10.1002/2015JA021645) .
Interplanetary shocks and foreshocks observed by STEREO during 2007-2010.

Bobra, M. G., Ilonidis, S. : 2016, The Astrophysical Journal 821, 127. doi:[10.3847/0004-637X/821/2/127](https://doi.org/10.3847/0004-637X/821/2/127) .

Predicting Coronal Mass Ejections Using Machine Learning Methods.

Briand, C., Henri, P., Génot, V., Lormant, N., Dufour, N., Cecconi, B., Nguyen, Q. N., Goetz, K. : 2016, Journal of Geophysical Research (Space Physics) 121, 1062. doi:[10.1002/2015JA022036](https://doi.org/10.1002/2015JA022036) .
STEREO database of interplanetary Langmuir electric waveforms.

Bucík, R., Innes, D. E., Mason, G. M., Wiedenbeck, M. E. : 2016, The Astrophysical Journal 833, 63. doi:[10.3847/1538-4357/833/1/63](https://doi.org/10.3847/1538-4357/833/1/63) .

Association of 3He-Rich Solar Energetic Particles with Large-scale Coronal Waves.

Cabello, I., Cremades, H., Balmaceda, L., Dohmen, I. : 2016, Solar Physics 291, 1799. doi:[10.1007/s11207-016-0941-y](https://doi.org/10.1007/s11207-016-0941-y) .

First Simultaneous Views of the Axial and Lateral Perspectives of a Coronal Mass Ejection.

Cabello, I., Cremades, H., Balmaceda, L., Dohmen, I. : 2016, Boletin de la Asociacion Argentina de Astronomia La Plata Argentina 58, 263.

Eyecciones coronales de masa observadas en cuadratura exhibiendo sus perspectivas axial y lateral.

Caplan, R. M., Downs, C., Linker, J. A. : 2016, The Astrophysical Journal 823, 53. doi:[10.3847/0004-637X/823/1/53](https://doi.org/10.3847/0004-637X/823/1/53) .

Synchronic Coronal Hole Mapping Using Multi-instrument EUV Images: Data Preparation and Detection Method.

Cheng, J. X., Qiu, J. : 2016, The Astrophysical Journal 825, 37. doi:[10.3847/0004-637X/825/1/37](https://doi.org/10.3847/0004-637X/825/1/37) .
The Nature of CME-flare-Associated Coronal Dimming.

Chintzoglou, Georgios: 2016, Ph.D. Thesis, George Mason University.

A study of solar magnetic fields below the surface, at the surface, and in the solar atmosphere - understanding the cause of major solar activity.

Cho, K., Chae, J., Lim, E.-k., Cho, K.-s., Bong, S.-C., Yang, H. : 2016, Journal of Korean Astronomical Society 49, 45.

A New Method to Determine Temperature of CMES Using a Coronagraph Filter System.

Cranmer, S. R. : 2016, Earth Moon and Planets 118, 51. doi:[10.1007/s11038-016-9490-5](https://doi.org/10.1007/s11038-016-9490-5) .
Predictions for Dusty Mass Loss from Asteroids During Close Encounters with Solar Probe Plus.

Cremades, H. : 2016, Boletin de la Asociacion Argentina de Astronomia La Plata Argentina 58, 249.

Morfolog_a de eyecciones coronales de masa: avances e interrogantes pendientes.

DeForest, C. E., Howard, T. A., Webb, D. F., Davies, J. A. : 2016, Space Weather 14, 32. doi:[10.1002/2015SW001286](https://doi.org/10.1002/2015SW001286) .

The utility of polarized heliospheric imaging for space weather monitoring.

DeForest, C. E., Matthaeus, W. H., Viall, N. M., Cranmer, S. R. : 2016, The Astrophysical Journal 828, 66. doi:[10.3847/0004-637X/828/2/66](https://doi.org/10.3847/0004-637X/828/2/66).

Fading Coronal Structure and the Onset of Turbulence in the Young Solar Wind.

Desai, M. I., Mason, G. M., Dayeh, M. A., Ebert, R. W., McComas, D. J., Li, G., Cohen, C. M. S., Mewaldt, R. A., Schwadron, N. A., Smith, C. W. : 2016, The Astrophysical Journal 816, 68. doi:[10.3847/0004-637X/816/2/68](https://doi.org/10.3847/0004-637X/816/2/68).

Spectral Properties of Large Gradual Solar Energetic Particle Events. I. Fe, O, and Seed Material.

Desai, M. I., Mason, G. M., Dayeh, M. A., Ebert, R. W., McComas, D. J., Li, G., Cohen, C. M. S., Mewaldt, R. A., Schwadron, N. A., Smith, C. W. : 2016, The Astrophysical Journal 828, 106. doi:[10.3847/0004-637X/828/2/106](https://doi.org/10.3847/0004-637X/828/2/106).

Spectral Properties of Large Gradual Solar Energetic Particle Events. II. Systematic Q/M Dependence of Heavy Ion Spectral Breaks.

Ding, L.-G., Cao, X.-X., Wang, Z.-W., Le, G.-M. : 2016, Research in Astronomy and Astrophysics 16, 122. doi:[10.1088/1674-4527/16/8/122](https://doi.org/10.1088/1674-4527/16/8/122).

Large solar energetic particle event that occurred on 2012 March 7 and its VDA analysis.

Dissauer, K., Temmer, M., Veronig, A. M., Vanninathan, K., Magdalenic, J. : 2016, The Astrophysical Journal 830, 92. doi:[10.3847/0004-637X/830/2/92](https://doi.org/10.3847/0004-637X/830/2/92).

Projection Effects in Coronal Dimmings and Associated EUV Wave Event.

Doran, D. J., Dalla, S. : 2016, Solar Physics 291, 2071. doi:[10.1007/s11207-016-0956-4](https://doi.org/10.1007/s11207-016-0956-4).

Temporal Evolution of Solar Energetic Particle Spectra.

Dresing, N., Gómez-Herrero, R., Heber, B., Hidalgo, M. A., Klassen, A., Temmer, M., Veronig, A. : 2016, Astronomy and Astrophysics 586, A55. doi:[10.1051/0004-6361/201527347](https://doi.org/10.1051/0004-6361/201527347).

Injection of solar energetic particles into both loop legs of a magnetic cloud.

Dresing, N., Theesen, S., Klassen, A., Heber, B. : 2016, Astronomy and Astrophysics 588, A17. doi:[10.1051/0004-6361/201527853](https://doi.org/10.1051/0004-6361/201527853).

Efficiency of particle acceleration at interplanetary shocks: Statistical study of STEREO observations.

Drews, C., Berger, L., Taut, A., Wimmer-Schweingruber, R. F. : 2016, Astronomy and Astrophysics 588, A12. doi:[10.1051/0004-6361/201527603](https://doi.org/10.1051/0004-6361/201527603).

Anisotropy of the He⁺, C⁺, N⁺, O⁺, and Ne⁺ pickup ion velocity distribution functions.

Dröge, W., Kartavykh, Y. Y., Dresing, N., Klassen, A. : 2016, The Astrophysical Journal 826, 134. doi:[10.3847/0004-637X/826/2/134](https://doi.org/10.3847/0004-637X/826/2/134).

Multi-spacecraft Observations and Transport Modeling of Energetic Electrons for a Series of Solar Particle Events in August 2010.

Ebert, R. W., Dayeh, M. A., Desai, M. I., Jian, L. K., Li, G., Mason, G. M. : 2016, The Astrophysical Journal 831, 153. doi:[10.3847/0004-637X/831/2/153](https://doi.org/10.3847/0004-637X/831/2/153).

Multi-spacecraft Analysis of Energetic Heavy Ion and Interplanetary Shock Properties in Energetic Storm Particle Events near 1 au.

Fazakerley, A. N., Harra, L. K., van Driel-Gesztelyi, L. : 2016, The Astrophysical Journal 823, 145. doi:[10.3847/0004-637X/823/2/145](https://doi.org/10.3847/0004-637X/823/2/145).

An Investigation of the Sources of Earth-directed Solar Wind during Carrington Rotation 2053.

Filippov, B. : 2016, Monthly Notices of the Royal Astronomical Society 455, 1406. doi:[10.1093/mnras/stv2409](https://doi.org/10.1093/mnras/stv2409).

Filament shape versus coronal potential magnetic field structure.

Filippov, B. P. : 2016, Astronomy Reports 60, 356. doi:[10.1134/S1063772916030057](https://doi.org/10.1134/S1063772916030057).

The initial trajectories of eruptive solar prominences.

Filippov, B. P. : 2016, Geomagnetism and Aeronomy 56, 1. doi:[10.1134/S0016793216010059](https://doi.org/10.1134/S0016793216010059).

Method for the determination of the height of a solar filament.

Francile, C., López, F. M., Cremades, H., Mandrini, C. H., Luoni, M. L., Long, D. M. : 2016, Solar Physics 291, 3217. doi:[10.1007/s11207-016-0978-y](https://doi.org/10.1007/s11207-016-0978-y).

Moreton and EUV Waves Associated with an X1.0 Flare and CME Ejection.

Fraschetti, F. : 2016, ASTRA Proceedings 2, 63. doi:[10.5194/ap-2-63-2016](https://doi.org/10.5194/ap-2-63-2016).

Cross-field transport and pitch-angle anisotropy of solar energetic particles in MHD turbulence.

Freed, Michael S.: 2016, Ph.D. Thesis, Montana State University. doi:

An empirical study of coronal observations at the solar limb.

Gao, G., Wang, M., Wu, N., Lin, J., Ebenezer, E., Tan, B. : 2016, Solar Physics 291, 3369. doi:[10.1007/s11207-016-1007-x](https://doi.org/10.1007/s11207-016-1007-x).

The Broken Lane of a Type II Radio Burst Caused by Collision of a Coronal Shock with a Flare Current Sheet.

Goddard, C. R., Nakariakov, V. M. : 2016, Astronomy and Astrophysics 590, L5. doi:[10.1051/0004-6361/201628718](https://doi.org/10.1051/0004-6361/201628718).

Dependence of kink oscillation damping on the amplitude.

González, A., Delouille, V., Jacques, L. : 2016, Journal of Space Weather and Space Climate 6, A1. doi:[10.1051/swsc/2015040](https://doi.org/10.1051/swsc/2015040).

Non-parametric PSF estimation from celestial transit solar images using blind deconvolution.

Good, S. W., Forsyth, R. J. : 2016, Solar Physics 291, 239. doi:[10.1007/s11207-015-0828-3](https://doi.org/10.1007/s11207-015-0828-3).

Interplanetary Coronal Mass Ejections Observed by MESSENGER and Venus Express.

Gopalswamy, N. : 2016, Geoscience Letters 3, 8. doi:[10.1186/s40562-016-0039-2](https://doi.org/10.1186/s40562-016-0039-2).

History and development of coronal mass ejections as a key player in solar terrestrial relationship.

Gopalswamy, N., Yashiro, S., Thakur, N., Mäkelä, P., Xie, H., Akiyama, S. : 2016, The Astrophysical Journal 833, 216. doi:[10.3847/1538-4357/833/2/216](https://doi.org/10.3847/1538-4357/833/2/216).

The 2012 July 23 Backside Eruption: An Extreme Energetic Particle Event?

Gosain, S., Filippov, B., Ajor Maurya, R., Chandra, R. : 2016, The Astrophysical Journal 821, 85. doi:[10.3847/0004-637X/821/2/85](https://doi.org/10.3847/0004-637X/821/2/85).

Interrupted Eruption of Large Quiescent Filament Associated with a Halo CME.

Gou, T., Liu, R., Wang, Y., Liu, K., Zhuang, B., Chen, J., Zhang, Q., Liu, J. : 2016, The Astrophysical Journal 821, L28. doi:[10.3847/2041-8205/821/2/L28](https://doi.org/10.3847/2041-8205/821/2/L28).

Stereoscopic Observation of Slipping Reconnection in a Double Candle-flame-shaped Solar Flare.

Grechnev, V. V., Uralov, A. M., Kochanov, A. A., Kuzmenko, I. V., Prosovetsky, D. V., Egorov, Y. I., Fainshtein, V. G., Kashapova, L. K. : 2016, Solar Physics 291, 1173. doi:[10.1007/s11207-016-0888-z](https://doi.org/10.1007/s11207-016-0888-z)

A Tiny Eruptive Filament as a Flux-Rope Progenitor and Driver of a Large-Scale CME and Wave.

Hariharan, K., Ramesh, R., Kathiravan, C., Wang, T. J. : 2016, Solar Physics 291, 1405. doi:[10.1007/s11207-016-0918-x](https://doi.org/10.1007/s11207-016-0918-x).

Simultaneous Near-Sun Observations of a Moving Type IV Radio Burst and the Associated White-Light Coronal Mass Ejection.

Hillaris, A., Bouratzis, C., Nindos, A. : 2016, Solar Physics 291, 2049. doi:[10.1007/s11207-016-0946-6](https://doi.org/10.1007/s11207-016-0946-6).

Interplanetary Type IV Bursts.

Howard, T. A., Pizzo, V. J. : 2016, The Astrophysical Journal 824, 92. doi:[10.3847/0004-637X/824/2/92](https://doi.org/10.3847/0004-637X/824/2/92).

Challenging Some Contemporary Views of Coronal Mass Ejections. I. The Case for Blast Waves.

Hu, H., Liu, Y. D., Wang, R., Möstl, C., Yang, Z. : 2016, The Astrophysical Journal 829, 97. doi:[10.3847/0004-637X/829/2/97](https://doi.org/10.3847/0004-637X/829/2/97).

Sun-to-Earth Characteristics of the 2012 July 12 Coronal Mass Ejection and Associated Geoeffectiveness.

Huang, J., Liu, Y. C.-M., Qi, Z., Klecker, B., Marghitu, O., Galvin, A. B., Farrugia, C. J., Li, X. : 2016, Journal of Geophysical Research (Space Physics), 121. doi:[10.1002/2016JA022842](https://doi.org/10.1002/2016JA022842).

A multievent study of the coincidence of heliospheric current sheet and stream interface.

Huang, J., Liu, Y. C.-M., Klecker, B., Chen, Y. : 2016, Journal of Geophysical Research (Space Physics) 121, 19. doi:[10.1002/2015JA021729](https://doi.org/10.1002/2015JA021729).

Coincidence of heliospheric current sheet and stream interface: Implications for the origin and evolution of the solar wind.

Innes, D. E., Bucík, R., Guo, L.-J., Nitta, N. : 2016, Astronomische Nachrichten 337, 1024. doi:[10.1002/asna.201612428](https://doi.org/10.1002/asna.201612428).

Observations of solar X-ray and EUV jets and their related phenomena.

Innes, D. E., Heinrich, P., Inhester, B., Guo, L.-J. : 2016, Astronomy and Astrophysics 592, A17. doi:[10.1051/0004-6361/201527520](https://doi.org/10.1051/0004-6361/201527520).

Analysis of UV and EUV emission from impacts on the Sun after 2011 June 7 eruptive flare.

Isavnin, A. : 2016, The Astrophysical Journal 833, 267. doi:[10.3847/1538-4357/833/2/267](https://doi.org/10.3847/1538-4357/833/2/267).
FRiED: A Novel Three-dimensional Model of Coronal Mass Ejections.

Jang, S., Moon, Y.-J., Kim, R.-S., Lee, H., Cho, K.-S. : 2016, The Astrophysical Journal 821, 95. doi:[10.3847/0004-637X/821/2/95](https://doi.org/10.3847/0004-637X/821/2/95).

Comparison between 2D and 3D Parameters of 306 Front-side Halo CMEs from 2009 to 2013.

Jess, D. B., Reznikova, V. E., Ryans, R. S. I., Christian, D. J., Keys, P. H., Mathioudakis, M., Mackay, D. H., Krishna Prasad, S., Banerjee, D., Grant, S. D. T., Yau, S., Diamond, C. : 2016, Nature Physics 12, 179. doi:[10.1038/nphys3544](https://doi.org/10.1038/nphys3544).

Solar coronal magnetic fields derived using seismology techniques applied to omnipresent sunspot waves.

- Jin, M., Schrijver, C. J., Cheung, M. C. M., DeRosa, M. L., Nitta, N. V., Title, A. M. : 2016, The Astrophysical Journal 820, 16. doi:[10.3847/0004-637X/820/1/16](https://doi.org/10.3847/0004-637X/820/1/16).
A Numerical Study of Long-range Magnetic Impacts during Coronal Mass Ejections.
- Joshi, B., Kushwaha, U., Veronig, A. M., Cho, K.-S. : 2016, The Astrophysical Journal 832, 130. doi:[10.3847/0004-637X/832/2/130](https://doi.org/10.3847/0004-637X/832/2/130).
Pre-flare Coronal Jet and Evolutionary Phases of a Solar Eruptive Prominence Associated with the M1.8 Flare: SDO and RHESSI Observations.
- Joshi, N. C., Schmieder, B., Magara, T., Guo, Y., Aulanier, G. : 2016, The Astrophysical Journal 820, 126. doi:[10.3847/0004-637X/820/2/126](https://doi.org/10.3847/0004-637X/820/2/126).
Chain Reconnections Observed in Sympathetic Eruptions.
- Joyce, C.: 2016, Thesis (PhD,) University of New Hampshire.
Characterization of the Radiation Environment of the Inner Heliosphere using CRaTER and EMMREM.
- Kahler, S. W. : 2016, The Astrophysical Journal 819, 105. doi:[10.3847/0004-637X/819/2/105](https://doi.org/10.3847/0004-637X/819/2/105).
Solar Energetic Particle Event Onsets: Far Backside Solar Sources and the East-West Hemispheric Asymmetry.
- Kay, C., Opher, M., Colaninno, R. C., Vourlidas, A. : 2016, The Astrophysical Journal 827, 70. doi:[10.3847/0004-637X/827/1/70](https://doi.org/10.3847/0004-637X/827/1/70).
Using ForeCAT Deflections and Rotations to Constrain the Early Evolution of CMEs.
- Kay, Christina. D. : 2016, Ph.D. Thesis, Boston University.
ForeCAT - A model for magnetic deflections of coronal mass ejections.
- Kellogg, P. J., Goetz, K., Monson, S. J. : 2016, Journal of Geophysical Research (Space Physics) 121, 966. doi:[10.1002/2015JA021124](https://doi.org/10.1002/2015JA021124).
Dust impact signals on the wind spacecraft.
- Khabarova, O. V., Zank, G. P., Li, G., Malandraki, O. E., le Roux, J. A., Webb, G. M. : 2016, The Astrophysical Journal 827, 122. doi:[10.3847/0004-637X/827/2/122](https://doi.org/10.3847/0004-637X/827/2/122).
Small-scale Magnetic Islands in the Solar Wind and Their Role in Particle Acceleration. II. Particle Energization inside Magnetically Confined Cavities.
- Kirnosov, V., Chang, L.-C., Pulkkinen, A. : 2016, Journal of Space Weather and Space Climate 6, A41. doi:[10.1051/swsc/2016037](https://doi.org/10.1051/swsc/2016037).
Combining STEREO SECCHI COR2 and HI1 images for automatic CME front edge tracking.
- Kirnosov, Vladimir : 2016, Thesis (PhD), The Catholic University of America. doi:[10.1002/2015JA021124](#).
Automatic Three-dimensional Reconstruction of Coronal Mass Ejection from STEREO A/B White-light Coronagraph Images.
- Kishore, P., Ramesh, R., Hariharan, K., Kathiravan, C., Gopalswamy, N. : 2016, The Astrophysical Journal 832, 59. doi:[10.3847/0004-637X/832/1/59](https://doi.org/10.3847/0004-637X/832/1/59).
Constraining the Solar Coronal Magnetic Field Strength using Split-band Type II Radio Burst Observations.
- Klassen, A., Dresing, N., Gómez-Herrero, R., Heber, B., Müller-Mellin, R. : 2016, Astronomy and Astrophysics 593, A31. doi:[10.1051/0004-6361/201628734](https://doi.org/10.1051/0004-6361/201628734).

Unexpected spatial intensity distributions and onset timing of solar electron events observed by closely spaced STEREO spacecraft.

Kohutova, P., Bocquet, F.-X., Henley, E. M., Owens, M. J. : 2016, Space Weather 14, 802. doi: [10.1002/2016SW001447](https://doi.org/10.1002/2016SW001447).

Improving solar wind persistence forecasts: Removing transient space weather events, and using observations away from the Sun-Earth line.

Kouloumvakos, A., Patsourakos, S., Nindos, A., Vourlidas, A., Anastasiadis, A., Hillaris, A., Sandberg, I. : 2016, The Astrophysical Journal 821, 31. doi: [10.3847/0004-637X/821/1/31](https://doi.org/10.3847/0004-637X/821/1/31).

Multi-viewpoint Observations of a Widely distributed Solar Energetic Particle Event: The Role of EUV Waves and White-light Shock Signatures.

Koval, A., Stanislavsky, A., Chen, Y., Feng, S., Konovalenko, A., Volvach, Y. : 2016, The Astrophysical Journal 826, 125. doi: [10.3847/0004-637X/826/2/125](https://doi.org/10.3847/0004-637X/826/2/125).

A Decameter Stationary Type IV Burst in Imaging Observations on 2014 September 6.

Kozarev, K. A., Schwadron, N. A. : 2016, The Astrophysical Journal 831, 120. doi: [10.3847/0004-637X/831/2/120](https://doi.org/10.3847/0004-637X/831/2/120).

A Data-driven Analytic Model for Proton Acceleration by Large-scale Solar Coronal Shocks.

Krafft, C., Volokitin, A. S. : 2016, The Astrophysical Journal 821, 99. doi: [10.3847/0004-637X/821/2/99](https://doi.org/10.3847/0004-637X/821/2/99).

Electron Acceleration by Langmuir Waves Produced by a Decay Cascade.

Kramar, M., Airapetian, V., Lin, H. : 2016, Frontiers in Astronomy and Space Sciences 3, 25. doi: [10.3389/fspas.2016.00025](https://doi.org/10.3389/fspas.2016.00025).

3D Global Coronal Density Structure and Associated Magnetic Field near Solar Maximum.

Kramar, M., Lin, H., Tomczyk, S. : 2016, The Astrophysical Journal 819, L36. doi: [10.3847/2041-8205/819/2/L36](https://doi.org/10.3847/2041-8205/819/2/L36).

Direct Observation of Solar Coronal Magnetic Fields by Vector Tomography of the Coronal Emission Line Polarizations.

Krupar, V., Eastwood, J. P., Kruparova, O., Santolik, O., Soucek, J., Magdalenic, J., Vourlidas, A., Maksimovic, M., Bonnin, X., Bothmer, V., Mrotzek, N., Pluta, A., Barnes, D., Davies, J. A., Martínez Oliveros, J. C., Bale, S. D. : 2016, The Astrophysical Journal 823, L5. doi: [10.3847/2041-8205/823/1/L5](https://doi.org/10.3847/2041-8205/823/1/L5).

An Analysis of Interplanetary Solar Radio Emissions Associated with a Coronal Mass Ejection.

Kubicka, M., Möstl, C., Amerstorfer, T., Boakes, P. D., Feng, L., Eastwood, J. P., Törmänen, O. : 2016, The Astrophysical Journal 833, 255. doi: [10.3847/1538-4357/833/2/255](https://doi.org/10.3847/1538-4357/833/2/255).

Prediction of Geomagnetic Storm Strength from Inner Heliospheric In Situ Observations.

Kudriavtseva, A. V., Prosovetsky, D. V. : 2016, Central European Astrophysical Bulletin 40, 123. *Analyses of Solar Wind Flows Structure by White-light Data and Definition of Solar Wind Sources.*

Kumar, P., Innes, D. E., Cho, K.-S. : 2016, The Astrophysical Journal 828, 28. doi: [10.3847/0004-637X/828/1/28](https://doi.org/10.3847/0004-637X/828/1/28).

Flare-generated Shock Wave Propagation through Solar Coronal Arcade Loops and an Associated Type II Radio Burst.

- Kumar, P., Nakariakov, V. M., Cho, K.-S. : 2016, The Astrophysical Journal 822, 7. doi: [10.3847/0004-637X/822/1/7](https://doi.org/10.3847/0004-637X/822/1/7).
Observation of a Quasiperiodic Pulsation in Hard X-Ray, Radio, and Extreme-ultraviolet Wavelengths.
- Kwon, R.-Y., Vourlidas, A., Webb, D. : 2016, The Astrophysical Journal 826, 94. doi: [10.3847/0004-637X/826/1/94](https://doi.org/10.3847/0004-637X/826/1/94).
Three-dimensional Geometry of a Current Sheet in the High Solar Corona: Evidence for Reconnection in the Late Stage of the Coronal Mass Ejections.
- Laitinen, T., Kopp, A., Effenberger, F., Dalla, S., Marsh, M. S. : 2016, Astronomy and Astrophysics 591, A18. doi: [10.1051/0004-6361/201527801](https://doi.org/10.1051/0004-6361/201527801).
Solar energetic particle access to distant longitudes through turbulent field-line meandering.
- Lamy P.L., Floyd, O., Quemerais, E., Boclet, B., Ferron, S. : 2016, Journal of Geophysical Research (Space Physics), 121. doi: [10.1002/2016JA022970](https://doi.org/10.1002/2016JA022970).
Coronal mass ejections and solar wind mass fluxes over the heliosphere during solar cycles 23 and 24 (1996–2014).
- Lario, D., Kwon, R.-Y., Vourlidas, A., Raouafi, N. E., Haggerty, D. K., Ho, G. C., Anderson, B. J., Papaioannou, A., Gómez-Herrero, R., Dresing, N., Riley, P. : 2016, The Astrophysical Journal 819, 72. doi: [10.3847/0004-637X/819/1/72](https://doi.org/10.3847/0004-637X/819/1/72).
Longitudinal Properties of a Widespread Solar Energetic Particle Event on 2014 February 25: Evolution of the Associated CME Shock.
- Lee, J.-O., Moon, Y.-J., Lee, J.-Y., Lee, K.-S., Kim, R.-S. : 2016, Journal of Geophysical Research (Space Physics) 121, 2853. doi: [10.1002/2015JA022321](https://doi.org/10.1002/2015JA022321).
Coronal electron density distributions estimated from CMEs, DH type II radio bursts, and polarized brightness measurements.
- Li, H., Liu, Y., Elmhamdi, A., Kordi, A.-S. : 2016, The Astrophysical Journal 830, 132. doi: [10.3847/0004-637X/830/2/132](https://doi.org/10.3847/0004-637X/830/2/132).
Relationship between Distribution of Magnetic Decay Index and Filament Eruptions.
- Liu, J., Fang, F., Wang, Y., McIntosh, S. W., Fan, Y., Zhang, Q. : 2016, The Astrophysical Journal 817, 126. doi: [10.3847/0004-637X/817/2/126](https://doi.org/10.3847/0004-637X/817/2/126).
On the Observation and Simulation of Solar Coronal Twin Jets.
- Liu, L., Wang, Y., Wang, J., Shen, C., Ye, P., Liu, R., Chen, J., Zhang, Q., Wang, S. : 2016, The Astrophysical Journal 826, 119. doi: [10.3847/0004-637X/826/2/119](https://doi.org/10.3847/0004-637X/826/2/119).
Why is a Flare-rich Active Region CME-poor?
- Liu, Y. D., Hu, H., Wang, C., Luhmann, J. G., Richardson, J. D., Yang, Z., Wang, R. : 2016, The Astrophysical Journal Supplement Series 222, 23. doi: [10.3847/0067-0049/222/2/23](https://doi.org/10.3847/0067-0049/222/2/23).
On Sun-to-Earth Propagation of Coronal Mass Ejections: II. Slow Events and Comparison with Others.
- Lloveras, D. G., Nuevo, F. A., Vásquez, A. M., Frazin, R. A. : 2016, Boletín de la Asociación Argentina de Astronomía La Plata Argentina 58, 272.
Comparative analysis of solar minima with EUV tomography.
- Lockwood, M., Owens, M. J., Barnard, L. A., Bentley, S., Scott, C. J., Watt, C. E.: 2016, Space Weather 14, 406. doi: [10.1002/2016SW001375](https://doi.org/10.1002/2016SW001375).
On the origins and timescales of geoeffective IMF.

- López, F. M., Cremades, H., Nuevo, F. A., Balmaceda, L., Vásquez, A. M. : 2016, Boletin de la Asociacion Argentina de Astronomia La Plata Argentina 58, 269.
Determinacién de la masa evacuada en una regién de oscurecimiento coronal y su relacién con la masa de su CME asociada.
- Lugaz, N., Farrugia, C. J., Huang, C.-L., Winslow, R. M., Spence, H. E., Schwadron, N. A. : 2016, Nature Communications 7, 13001. [doi:10.1038/ncomms13001](https://doi.org/10.1038/ncomms13001).
Earth's magnetosphere and outer radiation belt under sub-Alfvénic solar wind.
- Lynch, B. J., Masson, S., Li, Y., DeVore, C. R., Luhmann, J. G., Antiochos, S. K., Fisher, G. H.: 2016, Journal of Geophysical Research (Space Physics), 121, 10677. [doi:10.1002/2016JA023432](https://doi.org/10.1002/2016JA023432).
A model for stealth coronal mass ejections.
- Mannucci, A. J., Hagan, M. E., Vourlidas, A., Huang, C. Y., Verkhoglyadova, O. P., Deng, Y. : 2016, Journal of Space Weather and Space Climate 6, E01. [doi:10.1051/swsc/2016030](https://doi.org/10.1051/swsc/2016030).
Scientific challenges in thermosphere-ionosphere forecasting - conclusions from the October 2014 NASA JPL community workshop.
- Martinović M. M., Zaslavsky, A., Maksimović, M., Meyer-Vernet, N., Segan, S., Zouganelis, I., Salem, C., Pulupa, M., Bale, S. D. : 2016, Journal of Geophysical Research (Space Physics) 121, 129. [doi:10.1002/2015JA021710](https://doi.org/10.1002/2015JA021710).
Quasi-thermal noise measurements on STEREO: Kinetic temperature deduction using electron shot noise model.
- Mason, G. M., Nitta, N. V., Wiedenbeck, M. E., Innes, D. E. : 2016, The Astrophysical Journal 823, 138. [doi:10.3847/0004-637X/823/2/138](https://doi.org/10.3847/0004-637X/823/2/138).
Evidence for a Common Acceleration Mechanism for Enrichments of ^3He and Heavy Ions in Impulsive SEP Events.
- Mason, J. P., Woods, T. N., Webb, D. F., Thompson, B. J., Colaninno, R. C., Vourlidas, A. : 2016, The Astrophysical Journal 830, 20. [doi:10.3847/0004-637X/830/1/20](https://doi.org/10.3847/0004-637X/830/1/20).
Relationship of EUV Irradiance Coronal Dimming Slope and Depth to Coronal Mass Ejection Speed and Mass.
- McKenna-Lawlor, S., Ip, W., Jackson, B., Odstrcil, D., Nieminen, P., Evans, H., Burch, J., Mandt, K., Goldstein, R., Richter, I., Dryer, M. : 2016, Earth Moon and Planets 117, 1. [doi:10.1007/s11038-015-9479-5](https://doi.org/10.1007/s11038-015-9479-5).
Space Weather at Comet 67P/Churyumov-Gerasimenko Before its Perihelion.
- Merkin, V. G., Lyon, J. G., Lario, D., Arge, C. N., Henney, C. J. : 2016, Journal of Geophysical Research (Space Physics) 121, 2866. [doi:10.1002/2015JA022200](https://doi.org/10.1002/2015JA022200).
Time-dependent magnetohydrodynamic simulations of the inner heliosphere.
- Mészárosová, H., Rybák J., Kashapova, L., Gömöry P., Tokhchukova, S., Myshyakov, I. : 2016, Astronomy and Astrophysics 593, A80. [doi:10.1051/0004-6361/201528062](https://doi.org/10.1051/0004-6361/201528062).
Broadband microwave sub-second pulsations in an expanding coronal loop of the 2011 August 10 flare.
- Mishra, W., Wang, Y., Srivastava, N. : 2016, The Astrophysical Journal 831, 99. [doi:10.3847/0004-637X/831/1/99](https://doi.org/10.3847/0004-637X/831/1/99).
On Understanding the Nature of Collisions of Coronal Mass Ejections Observed by STEREO.

- Mäkelä, P., Gopalswamy, N., Reiner, M. J., Akiyama, S., Krupar, V. : 2016, The Astrophysical Journal 827, 141. doi:[10.3847/0004-637X/827/2/141](https://doi.org/10.3847/0004-637X/827/2/141).
Source Regions of the Type II Radio Burst Observed During a CME-CME Interaction on 2013 May 22.
- Mäkelä, P., Gopalswamy, N., Yashiro, S. : 2016, Space Weather 14, 368. doi:[10.1002/2015SW001335](https://doi.org/10.1002/2015SW001335).
The radial speed-expansion speed relation for Earth-directed CMEs.
- Möbius, E., Galvin, A.B., Kistler, L.M., Kucharek, H. , Popecki, M.A.: 2016, Journal of Geophysical Research (Space Physics) 121. doi:[10.1002/2016JA022553](https://doi.org/10.1002/2016JA022553).
Time-of-flight mass spectrographs_From ions to neutral atoms.
- Nakariakov, V. M., Pilipenko, V., Heilig, B., Jelínek, P., Karlický, M., Klimushkin, D. Y., Kolotkov, D. Y., Lee, D.-H., Nisticò, G., Van Doorsselaere, T., Verth, G., Zimovets, I. V. : 2016, Space Science Reviews 200, 75. doi:[10.1007/s11214-015-0233-0](https://doi.org/10.1007/s11214-015-0233-0).
Magnetohydrodynamic Oscillations in the Solar Corona and Earth's Magnetosphere: Towards Consolidated Understanding.
- Nieves-Chinchilla, T., Linton, M. G., Hidalgo, M. A., Vourlidas, A., Savani, N. P., Szabo, A., Farrugia, C., Yu, W. : 2016, The Astrophysical Journal 823, 27. doi:[10.3847/0004-637X/823/1/27](https://doi.org/10.3847/0004-637X/823/1/27).
A Circular-cylindrical Flux-rope Analytical Model for Magnetic Clouds.
- Núñez, M., Nieves-Chinchilla, T., Pulkkinen A.: 2016, Space Weather 14, 544. doi:[10.1002/2016SW001361](https://doi.org/10.1002/2016SW001361).
Prediction of shock arrival times from CME and flare data.
- Owens, M. J. : 2016, The Astrophysical Journal 818, 197. doi:[10.3847/0004-637X/818/2/197](https://doi.org/10.3847/0004-637X/818/2/197).
Do the Legs of Magnetic Clouds Contain Twisted Flux-rope Magnetic Fields?
- Panchenko, M., Rucker, H. O. : 2016, Astronomy and Astrophysics 596, A18. doi:[10.1051/0004-6361/201527397](https://doi.org/10.1051/0004-6361/201527397).
Estimation of emission cone wall thickness of Jupiter's decametric radio emission using stereoscopic STEREO/WAVES observations.
- Pant, V., Willems, S., Rodriguez, L., Mierla, M., Banerjee, D., Davies, J. A. : 2016, The Astrophysical Journal 833, 80. doi:[10.3847/1538-4357/833/1/80](https://doi.org/10.3847/1538-4357/833/1/80).
Automated Detection of Coronal Mass Ejections in STEREO Heliospheric Imager Data.
- Patsourakos, S., Georgoulis, M. K. : 2016, Astronomy and Astrophysics 595, A121. doi:[10.1051/0004-6361/201628277](https://doi.org/10.1051/0004-6361/201628277).
Near-Sun and 1 AU magnetic field of coronal mass ejections: a parametric study.
- Patsourakos, S., Georgoulis, M. K., Vourlidas, A., Nindos, A., Sarris, T., Anagnostopoulos, G., Anastasiadis, A., Chintzoglou, G., Daglis, I. A., Gontikakis, C., Hatzigeorgiu, N., Iliopoulos, A. C., Katsavrias, C., Kouloumvakos, A., Moraitis, K., Nieves-Chinchilla, T., Pavlos, G., Sarafopoulos, D., Syntelis, P., Tsironis, C., Tziotziou, K., Vogiatzis, I. I., Balasis, G., Georgiou, M., Karakatsanis, L. P., Malandraki, O. E., Papadimitriou, C., Odstrcil, D., Pavlos, E. G., Podlachikova, O., Sandberg, I., Turner, D. L., Xenakis, M. N., Sarris, E., Tsinganos, K., Vlahos, L. : 2016, The Astrophysical Journal 817, 14. doi:[10.3847/0004-637X/817/1/14](https://doi.org/10.3847/0004-637X/817/1/14).
The Major Geoeffective Solar Eruptions of 2012 March 7: Comprehensive Sun-to-Earth Analysis.

Paunzen, E., Netopil, M., Bernhard, K., Hümmerich, S. : 2016, Bulgarian Astronomical Journal 24, 97.

Chemically peculiar stars identified in large photometric surveys.

Petrie, G. J. D. : 2016, Solar Physics 291, 791. doi:[10.1007/s11207-016-0873-6](https://doi.org/10.1007/s11207-016-0873-6).

Photospheric and Coronal Observations of Abrupt Magnetic Restructuring in Two Flaring Active Regions.

Pick, M., Stenborg, G., Démoulin, P., Zucca, P., Lecacheux, A. : 2016, The Astrophysical Journal 823, 5. doi:[10.3847/0004-637X/823/1/5](https://doi.org/10.3847/0004-637X/823/1/5).

Homologous Solar Events on 2011 January 27: Build-up and Propagation in a Complex Coronal Environment.

Plotnikov, I., Rouillard, A. P., Davies, J. A., Bothmer, V., Eastwood, J. P., Gallagher, P., Harrison, R. A., Kilpua, E., Möstl, C., Perry, C. H., Rodriguez, L., Lavraud, B., Genot, V., Pinto, R. F., Sanchez-Diaz, E. : 2016, Solar Physics 291, 1853. doi:[10.1007/s11207-016-0935-9](https://doi.org/10.1007/s11207-016-0935-9).

Long-Term Tracking of Corotating Density Structures Using Heliospheric Imaging.

Prasanna Subramanian, S., Shanmugaraju, A., Vr?nak, B. : 2016, Central European Astrophysical Bulletin 40, 163.

A Study on the Kinematics of a CME-Shock Interaction Event Associated with Flares and Type II Bursts on 22 May 2013.

Quinn, P. R., Schwadron, N. A., Möbius, E. : 2016, The Astrophysical Journal 824, 142. doi:[10.3847/0004-637X/824/2/142](https://doi.org/10.3847/0004-637X/824/2/142).

Transport of Helium Pickup Ions within the Focusing Cone: Reconciling STEREO Observations with IBEX.

Raouafi, N. E., Patsourakos, S., Pariat, E., Young, P. R., Sterling, A. C., Savcheva, A., Shimojo, M., Moreno-Insertis, F., DeVore, C. R., Archontis, V., Török, T., Mason, H., Curdt, W., Meyer, K., Dalmasse, K., Matsui, Y. : 2016, Space Science Reviews 201, 1. doi:[10.1007/s11214-016-0260-5](https://doi.org/10.1007/s11214-016-0260-5).
Solar Coronal Jets: Observations, Theory, and Modeling.

Reva, A. A., Ulyanov, A. S., Shestov, S. V., Kuzin, S. V. : 2016, The Astrophysical Journal 816, 90. doi:[10.3847/0004-637X/816/2/90](https://doi.org/10.3847/0004-637X/816/2/90).

Breakout Reconnection Observed by the TESIS EUV Telescope.

Richardson, I. G., von Rosenvinge, T. T., Cane, H. V. : 2016, Solar Physics 291, 2117. doi:[10.1007/s11207-016-0948-4](https://doi.org/10.1007/s11207-016-0948-4).

North/South Hemispheric Periodicities in the {>} 25 MeV Solar Proton Event Rate During the Rising and Peak Phases of Solar Cycle 24.

Riley, P., Caplan, R. M., Giacalone, J., Lario, D., Liu, Y. : 2016, The Astrophysical Journal 819, 57. doi:[10.3847/0004-637X/819/1/57](https://doi.org/10.3847/0004-637X/819/1/57).

Properties of the Fast Forward Shock Driven by the July 23 2012 Extreme Coronal Mass Ejection.

Rodriguez, J. V., Sandberg, I. , Mewaldt, R. A., Daglis,I. A, Jiggens, P.: 2016, Space Weather 14. doi:[10.1002/2016SW001533](https://doi.org/10.1002/2016SW001533).

Validation of the Effect of Cross-Calibrated GOES Solar Proton Effective Energies on Derived Integral Fluxes by Comparison with STEREO Observations.

Rollett, T., Möstl, C., Isavnin, A., Davies, J. A., Kubicka, M., Amerstorfer, U. V., Harrison, R. A. : 2016, *The Astrophysical Journal* 824, 131. [doi:10.3847/0004-637X/824/2/131](https://doi.org/10.3847/0004-637X/824/2/131).

ElEvoHI: A Novel CME Prediction Tool for Heliospheric Imaging Combining an Elliptical Front with Drag-based Model Fitting.

Rouillard, A. P., Plotnikov, I., Pinto, R. F., Tirole, M., Lavarra, M., Zucca, P., Vainio, R., Tylka, A. J., Vourlidas, A., De Rosa, M. L., Linker, J., Warmuth, A., Mann, G., Cohen, C. M. S., Mewaldt, R. A. : 2016, *The Astrophysical Journal* 833, 45. [doi:10.3847/1538-4357/833/1/45](https://doi.org/10.3847/1538-4357/833/1/45).

Deriving the Properties of Coronal Pressure Fronts in 3D: Application to the 2012 May 17 Ground Level Enhancement.

Salas-Matamoros, C., Klein, K.-L., Rouillard, A. P. : 2016, *Astronomy and Astrophysics* 590, A135. [doi:10.1051/0004-6361/201528015](https://doi.org/10.1051/0004-6361/201528015).

Coronal mass ejection-related particle acceleration regions during a simple eruptive event.

Sarkar, S., Pant, V., Srivastava, A. K., Banerjee, D. : 2016, *Solar Physics* 291, 3269. [doi:10.1007/s11207-016-1019-6](https://doi.org/10.1007/s11207-016-1019-6).

Transverse Oscillations in a Coronal Loop Triggered by a Jet.

Sauer, K., Sydora, R. D. : 2016, *Geophysical Research Letters* 43, 7348. [doi:10.1002/2016GL069872](https://doi.org/10.1002/2016GL069872).

Current-driven Langmuir oscillations and formation of wave packets via modulational instability: Relevance to STEREO observations.

Savani, N. P., Vourlidas, A., Richardson, I.G., Szabo, A., Thompson, B. J., Pulkkinen, A., Mays, M. L., Nieves-Chinchilla ,T., Bothmer, V.: 2016, *Space Weather*, 14. [doi:10.1002/2016SW001458](https://doi.org/10.1002/2016SW001458).
Predicting the magnetic vectors within coronal mass ejections arriving at Earth: 2. Geomagnetic response.

Schad, T. A., Penn, M. J., Lin, H., Judge, P. G. : 2016, *The Astrophysical Journal* 833, 5. [doi:10.3847/0004-637X/833/1/5](https://doi.org/10.3847/0004-637X/833/1/5).

Vector Magnetic Field Measurements along a Cooled Stereo-imaged Coronal Loop.

Schmidt, J. M., Cairns, I. H. : 2016, *Geophysical Research Letters* 43, 50. [doi:10.1002/2015GL067271](https://doi.org/10.1002/2015GL067271).

Quantitative prediction of type II solar radio emission from the Sun to 1 AU.

Schmidt, J. M., Cairns, I. H., Xie, H., St. Cyr, O. C., Gopalswamy, N. : 2016, *Journal of Geophysical Research (Space Physics)* 121, 1886. [doi:10.1002/2015JA021805](https://doi.org/10.1002/2015JA021805).

CME flux rope and shock identifications and locations: Comparison of white light data, Graduated Cylindrical Shell model, and MHD simulations.

Selvakumaran, R., Veenadhari, B., Akiyama, S., Pandya, M., Gopalswamy, N., Yashiro, S. Kumar, S., Mäkelä, P., Xie, H.: 2016, *Journal of Geophysical Research (Space Physics)* 121, 8188. [doi:10.1002/2016JA022885](https://doi.org/10.1002/2016JA022885).

On the reduced geoeffectiveness of solar cycle 24: A moderate storm perspective.

Sigsbee, K., Kletzing, C. A., Smith, C. W., MacDowall, R., Spence, H., Reeves, G., Blake, J. B., Baker, D. N., Green, J. C., Singer, H. J., Carr, C., Santolík, O. : 2016, *Journal of Geophysical Research (Space Physics)* 121, 1990. [doi:10.1002/2014JA020877](https://doi.org/10.1002/2014JA020877).

Van Allen Probes, THEMIS, GOES, and Cluster observations of EMIC waves, ULF pulsations, and an electron flux dropout.

Srivastava, A. K., Singh, T., Ofman, L., Dwivedi, B. N. : 2016, Monthly Notices of the Royal Astronomical Society 463, 1409. [doi:10.1093/mnras/stw2017](https://doi.org/10.1093/mnras/stw2017).

Inference of magnetic field in the coronal streamer invoking kink wave motions generated by multiple EUV waves.

Sterling, A. C., Moore, R. L., Falconer, D. A., Panesar, N. K., Akiyama, S., Yashiro, S., Gopalswamy, N. : 2016, The Astrophysical Journal 821, 100. [doi:10.3847/0004-637X/821/2/100](https://doi.org/10.3847/0004-637X/821/2/100). *Minifilament Eruptions that Drive Coronal Jets in a Solar Active Region.*

Syntelis, Petros : 2016, Ph.D. Thesis, National and Kapodistrian University of Athens. [doi:](#) *Solar magnetic flux emergence, solar jets and coronal mass ejections.*

Takasao, S., Asai, A., Isobe, H., Shibata, K. : 2016, The Astrophysical Journal 828, 103. [doi:10.3847/0004-637X/828/2/103](https://doi.org/10.3847/0004-637X/828/2/103).

Observational Evidence of Particle Acceleration Associated with Plasmoid Motions.

Temmer, M. : 2016, Astronomische Nachrichten 337, 1010. [doi:10.1002/asna.201612425](https://doi.org/10.1002/asna.201612425). *Kinematical properties of coronal mass ejections.*

Tenerani, A., Velli, M., DeForest, C. : 2016, The Astrophysical Journal 825, L3. [doi:10.3847/2041-8205/825/1/L3](https://doi.org/10.3847/2041-8205/825/1/L3).

Inward Motions in the Outer Solar Corona between 7 and 12 R_{⊂}: Evidence for Waves or Magnetic Reconnection Jets?

Thalmann, J. K., Veronig, A., Su, Y. : 2016, The Astrophysical Journal 826, 143. [doi:10.3847/0004-637X/826/2/143](https://doi.org/10.3847/0004-637X/826/2/143).

Temporal and Spatial Relationship of Flare Signatures and the Force-free Coronal Magnetic Field.

Thayer, F. M., Malaspina, D. M., Collette, A., Sternovsky, Z. : 2016, Journal of Geophysical Research (Space Physics) 121, 4998. [doi:10.1002/2015JA021983](https://doi.org/10.1002/2015JA021983).

Variation in relative dust impact charge recollection with antenna to spacecraft potential on STEREO.

Vásquez, A. M. : 2016, Advances in Space Research 57, 1286. [doi:10.1016/j.asr.2015.05.047](https://doi.org/10.1016/j.asr.2015.05.047). *Seeing the solar corona in three dimensions.*

Vemareddy, P., Möstl, C., Amerstorfer, T., Mishra, W., Farrugia, C., Leitner, M. : 2016, The Astrophysical Journal 828, 12. [doi:10.3847/0004-637X/828/1/12](https://doi.org/10.3847/0004-637X/828/1/12).

Comparison of Magnetic Properties in a Magnetic Cloud and Its Solar Source on 2013 April 11-14.

Volpes, Laura : 2016, Ph.D. Thesis, Georg-August-Universität Göttingen.
On the interplanetary properties and evolution of CME-driven shocks.

Wan, L., Cheng, X., Shi, T., Su, W., Ding, M. D. : 2016, The Astrophysical Journal 826, 174. [doi:10.3847/0004-637X/826/2/174](https://doi.org/10.3847/0004-637X/826/2/174).

The Formation and Early Evolution of a Coronal Mass Ejection and its Associated Shock Wave on 2014 January 8.

Wang, W., Wang, L., Krucker, S., Hannah, I. : 2016, Solar Physics 291, 1357. [doi:10.1007/s11207-016-0916-z](https://doi.org/10.1007/s11207-016-0916-z).

Simulation of Quiet-Sun Hard X-Rays Related to Solar Wind Superhalo Electrons.

Wang, X., Tu, C., Marsch, E., He, J., Wang, L. : 2016, The Astrophysical Journal 816, 15. doi: [10.3847/0004-637X/816/1/15](https://doi.org/10.3847/0004-637X/816/1/15).

Scale-dependent Normalized Amplitude and Weak Spectral Anisotropy of Magnetic Field Fluctuations in the Solar Wind Turbulence.

Wang, Y., Zhang, Q., Liu, J., Shen, C., Shen, F., Yang, Z., Zic, T., Vrsnak, B., Webb, D. F., Liu, R., Wang, S., Zhang, J., Hu, Q., Zhuang, B. : 2016, Journal of Geophysical Research (Space Physics) 121, 7423. doi:[10.1002/2016JA022924](https://doi.org/10.1002/2016JA022924).

On the propagation of a geoeffective coronal mass ejection during 15-17 March 2015.

Wei, H. Y., Jian, L. K., Russell, C. T., Omidi, N. : 2016, Washington DC American Geophysical Union Geophysical Monograph Series 216, 253. doi:[10.1002/9781119055006.ch15](https://doi.org/10.1002/9781119055006.ch15).

Ion Cyclotron Waves in the Solar Wind.

Winslow, R. M., Lugaz, N., Schwadron, N. A., Farrugia, C. J., Yu, W., Raines, J. M., Mays, M. L., Galvin, A. B., Zurbuchen, T. H. : 2016, Journal of Geophysical Research (Space Physics) 121, 6092. doi:[10.1002/2015JA022307](https://doi.org/10.1002/2015JA022307).

Longitudinal conjunction between MESSENGER and STEREO A: Development of ICME complexity through stream interactions.

Wood, B. E., Howard, R. A., Linton, M. G. : 2016, The Astrophysical Journal 816, 67. doi: [10.3847/0004-637X/816/2/67](https://doi.org/10.3847/0004-637X/816/2/67).

Imaging Prominence Eruptions out to 1 AU.

Wood, B. E., Lean, J. L., McDonald, S. E., Wang, Y.-M. : 2016, Journal of Geophysical Research (Space Physics) 121, 4938. doi:[10.1002/2015JA021953](https://doi.org/10.1002/2015JA021953).

Comparative ionospheric impacts and solar origins of nine strong geomagnetic storms in 2010-2015.

Wu, C.-C., Liou, K., Vourlidas, A., Plunkett, S., Dryer, M., Wu, S. T., Mewaldt, R. A. : 2016, Journal of Geophysical Research (Space Physics) 121, 56. doi:[10.1002/2015JA021051](https://doi.org/10.1002/2015JA021051).

Global magnetohydrodynamic simulation of the 15 March 2013 coronal mass ejection event---Interpretation of the 30-80 MeV proton flux.

Wu, C.-C., Liou, K., Vourlidas, A., Plunkett, S., Dryer, M., Wu, S. T., Socker, D., Wood, B. E., Hutting, L., Howard, R. A. : 2016, Journal of Geophysical Research (Space Physics) 121, 1839. doi:[10.1002/2015JA021843](https://doi.org/10.1002/2015JA021843).

Numerical simulation of multiple CME-driven shocks in the month of 2011 September.

Wu, S. T., Zhou, Y., Jiang, C., Feng, X., Wu, C.-C., Hu, Q. : 2016, Journal of Geophysical Research (Space Physics) 121, 1009. doi:[10.1002/2015JA021615](https://doi.org/10.1002/2015JA021615).

A data-constrained three-dimensional magnetohydrodynamic simulation model for a coronal mass ejection initiation.

Xie, H., Mäkelä, P., Gopalswamy, N., St. Cyr, O. C. : 2016, Journal of Geophysical Research (Space Physics) 121, 6168. doi:[10.1002/2015JA021422](https://doi.org/10.1002/2015JA021422).

Energy dependence of SEP electron and proton onset times.

Yardley, S. L., Green, L. M., Williams, D. R., van Driel-Gesztelyi, L., Valori, G., Dacie, S. : 2016, The Astrophysical Journal 827, 151. doi:[10.3847/0004-637X/827/2/151](https://doi.org/10.3847/0004-637X/827/2/151).

Flux Cancellation and the Evolution of the Eruptive Filament of 2011 June 7.

Yoon, P. H., Kim, S., Choe, G. S., Moon, Y.-J. : 2016, The Astrophysical Journal 826, 204. doi: [10.3847/0004-637X/826/2/204](https://doi.org/10.3847/0004-637X/826/2/204).

Revised Model of the Steady-state Solar Wind Halo Electron Velocity Distribution Function.

Yu, H.-S., Jackson, B. V., Yang, Y.-H., Chen, N.-H., Buffington, A., Hick, P. P. : 2016, Journal of Geophysical Research (Space Physics) 121, 4985. doi:[10.1002/2016JA022503](https://doi.org/10.1002/2016JA022503).

A 17 June 2011 polar jet and its presence in the background solar wind.

Yu, W., Farrugia, C. J., Galvin, A. B., Lugaz, N., Luhmann, J. G., Simunac, K. D. C., Kilpua, E. : 2016, Journal of Geophysical Research (Space Physics) 121, 5005. doi:[10.1002/2016JA022642](https://doi.org/10.1002/2016JA022642).
Small solar wind transients at 1 AU: STEREO observations (2007-2014) and comparison with near-Earth wind results (1995-2014).

Yu, Wenyuan: 2016, Thesis (PhD,) University of New Hampshire.

Small solar wind transients 1995-2014: Properties, Modeling, and Effects on the Magnetosphere.

Zhang, J. J., Wang, C., Sun, T. R., Liu, Y. D. : 2016, Space Weather 14, 259. doi: [10.1002/2015SW001347](https://doi.org/10.1002/2015SW001347).

Risk assessment of the extreme interplanetary shock of 23 July 2012 on low-latitude power networks.

Zhang, Q. M., Ji, H. S., Su, Y. N. : 2016, Solar Physics 291, 859. doi:[10.1007/s11207-016-0878-1](https://doi.org/10.1007/s11207-016-0878-1).
Observations of Multiple Blobs in Homologous Solar Coronal Jets in Closed Loop.

Zhang, Q.-H., Wang, Y.-M., Liu, R., Shen, C.-L., Zhang, M., Gou, T.-Y., Liu, J.-J., Liu, K., Zhou, Z.-J., Wang, S. : 2016, Research in Astronomy and Astrophysics 16, 167. doi: [10.1088/1674-4527/16/11/167](https://doi.org/10.1088/1674-4527/16/11/167).

Damped large amplitude oscillations in a solar prominence and a bundle of coronal loops.

Zhao, L., Li, G., Ebert, R. W., Dayeh, M. A., Desai, M. I., Mason, G. M., Wu, Z., Chen, Y. : 2016, Journal of Geophysical Research (Space Physics) 121, 77. doi:[10.1002/2015JA021762](https://doi.org/10.1002/2015JA021762).
Modeling transport of energetic particles in corotating interaction regions: A case study.

Zhao, L., Li, G., Mason, G. M., Cohen, C., Mewaldt, R., Desai, M., Ebert, R., Al-Dayeh, M. : 2016, Research in Astronomy and Astrophysics 16, 190. doi:[10.1088/1674-4527/16/12/190](https://doi.org/10.1088/1674-4527/16/12/190).
Probing shock geometry via the charge to mass ratio dependence of heavy ion spectra from multiple spacecraft observations of the 2013 November 4 event.

Zhao, X., Liu, Y. D., Inhester, B., Feng, X., Wiegelmann, T., Lu, L. : 2016, The Astrophysical Journal 830, 48. doi:[10.3847/0004-637X/830/1/48](https://doi.org/10.3847/0004-637X/830/1/48).

Comparison of CME/Shock Propagation Models with Heliospheric Imaging and In Situ Observations.

Zheng, R., Chen, Y., Du, G., Li, C. : 2016, The Astrophysical Journal 819, L18. doi: [10.3847/2041-8205/819/2/L18](https://doi.org/10.3847/2041-8205/819/2/L18).

Solar Jet-Coronal Hole Collision and a Closely Related Coronal Mass Ejection.

Zhu, B., Liu, Y. D., Luhmann, J. G., Hu, H., Wang, R., Yang, Z. : 2016, The Astrophysical Journal 827, 146. doi:[10.3847/0004-637X/827/2/146](https://doi.org/10.3847/0004-637X/827/2/146).

Solar Energetic Particle Event Associated with the 2012 July 23 Extreme Solar Storm.

Zhu, C., Liu, R., Alexander, D., McAteer, R. T. J. : 2016, The Astrophysical Journal 821, L29. doi: [10.3847/2041-8205/821/2/L29](https://doi.org/10.3847/2041-8205/821/2/L29).

Observation of the Evolution of a Current Sheet in a Solar Flare.

2015

Abbo, L., Lionello, R., Riley, P., Wang, Y.-M. : 2015, Solar Physics 290, 2043. doi:[10.1007/s11207-015-0723-y](https://doi.org/10.1007/s11207-015-0723-y).

Coronal Pseudo-Streamer and Bipolar Streamer Observed by SOHO/UVCS in March 2008.

Alexander, Robert L.: 2015, Ph.D. Thesis, University of Michigan. doi:.

The Bird's Ear View: Audification for the Spectral Analysis of Heliospheric Time Series Data.

Alissandrakis, C. E., Nindos, A., Patsourakos, S., Kontogeorgos, A., Tsitsipis, P. : 2015, Astronomy and Astrophysics 582, A52. doi:[10.1051/0004-6361/201526265](https://doi.org/10.1051/0004-6361/201526265).

A tiny event producing an interplanetary type III burst.

Ando, H., Shiota, D., Imamura, T., Tokumaru, M., Asai, A., Isobe, H., Pätzold, M., Häusler, B., Nakamura, M. : 2015, Journal of Geophysical Research (Space Physics) 120, 5318. doi:[10.1002/2015JA021076](https://doi.org/10.1002/2015JA021076).

Internal structure of a coronal mass ejection revealed by Akatsuki radio occultation observations.

Astapov, I. I., Barbashina, N. S., Petrukhin, A. A., Shutenko, V. V., Veselovsky, I. S. : 2015, Advances in Space Research 56, 2833. doi:[10.1016/j.asr.2015.03.002](https://doi.org/10.1016/j.asr.2015.03.002).

Powerful non-geoeffective interplanetary disturbance of July 2012 observed by muon hodoscope URAGAN.

Baker, D., Brooks, D. H., Démoulin, P., Yardley, S. L., van Driel-Gesztelyi, L., Long, D. M., Green, L. M.: 2015, The Astrophysical Journal 802, 104. doi:[10.1088/0004-637X/802/2/104](https://doi.org/10.1088/0004-637X/802/2/104).

FIP Bias Evolution in a Decaying Active Region.

Bala, R., Reiff, P., Russell, C. T. : 2015, Journal of Geophysical Research (Space Physics) 120, 3432. doi:[10.1002/2014JA020739](https://doi.org/10.1002/2014JA020739).

Testing the estimated hypothetical response of a major CME impact on Earth and its implications to space weather.

Barnard, L., Scott, C. J., Owens, M., Lockwood, M., Crothers, S. R., Davies, J. A., Harrison, R. A. : 2015, Space Weather 13, 709. doi:[10.1002/2015SW001280](https://doi.org/10.1002/2015SW001280).

Differences between the CME fronts tracked by an expert, an automated algorithm, and the Solar Stormwatch project.

Belcheva, M., Markov, H., Tsvetanov, Z., Iliev, I., Stateva, I.: 2015, Bulgarian Astronomical Journal 22, 28.

Physical parameters of eclipsing binary components, discovered by STEREO.

Bemporad, A., Giordano, S., Raymond, J. C., Knight, M. M. : 2015, Advances in Space Research 56, 2288. doi:[10.1016/j.asr.2015.08.037](https://doi.org/10.1016/j.asr.2015.08.037).

Study of sungrazing comets with space-based coronagraphs: New possibilities offered by METIS on board Solar Orbiter.

Berdichevsky, D. B., Schefers, K. : 2015, The Astrophysical Journal 805, 70. doi:[10.1088/0004-637X/805/1/70](https://doi.org/10.1088/0004-637X/805/1/70).

On the Thermodynamics and Other Constitutive Properties of a Class of Strongly Magnetized Matter Observed in Astrophysics.

- Brown, J. C., Carlson, R. W., Toner, M. P. : 2015, The Astrophysical Journal 807, 165. doi: [10.1088/0004-637X/807/2/165](https://doi.org/10.1088/0004-637X/807/2/165).
Destruction and Observational Signatures of Sun-impacting Comets.
- Bucík, R., Innes, D. E., Chen, N. H., Mason, G. M., Gómez-Herrero, R., Wiedenbeck, M. E. : 2015, Journal of Physics Conference Series 642, 012002. doi: [10.1088/1742-6596/642/1/012002](https://doi.org/10.1088/1742-6596/642/1/012002).
Long-lived energetic particle source regions on the Sun.
- Bucík, R., Innes, D. E., Guo, L., Mason, G. M., Wiedenbeck, M. E. : 2015, The Astrophysical Journal 812, 53. doi: [10.1088/0004-637X/812/1/53](https://doi.org/10.1088/0004-637X/812/1/53).
Observations of EUV Waves in ^3He -rich Solar Energetic Particle Events.
- Byrne, J. P. : 2015, Journal of Space Weather and Space Climate 5, A19. doi: [10.1051/swsc/2015020](https://doi.org/10.1051/swsc/2015020).
Investigating the kinematics of coronal mass ejections with the automated CORIMP catalog.
- Cabello, I., Cremades, H., Balmaceda, L., Dohmen, I. : 2015, Boletín de la Asociación Argentina de Astronomía La Plata Argentina 57, 238.
Morfología y evolución de una eyeción coronal.
- Cash, M. D., Biesecker, D. A., Pizzo, V., Koning, C. A., Millward, G., Arge, C. N., Henney, C. J., Odstrcil, D. : 2015, Space Weather 13, 611. doi: [10.1002/2015SW001232](https://doi.org/10.1002/2015SW001232).
Ensemble Modeling of the 23 July 2012 Coronal Mass Ejection.
- Chen, J. H., Schwadron, N. A., Möbius, E., Gorby, M. : 2015, Journal of Geophysical Research (Space Physics) 120, 9269. doi: [10.1002/2014JA020939](https://doi.org/10.1002/2014JA020939).
Modeling interstellar pickup ion distributions in corotating interaction regions inside 1 AU.
- Chen, N.-h., Bucík, R., Innes, D. E., Mason, G. M. : 2015, Astronomy and Astrophysics 580, A16. doi: [10.1051/0004-6361/201525618](https://doi.org/10.1051/0004-6361/201525618).
Case studies of multi-day ^3He -rich solar energetic particle periods.
- Chertok, I. M., Belov, A. V., Grechnev, V. V. : 2015, Solar Physics 290, 1947. doi: [10.1007/s11207-015-0738-4](https://doi.org/10.1007/s11207-015-0738-4).
A Simple Way to Estimate the Soft X-ray Class of Far-Side Solar Flares Observed with STEREO/EUVI.
- Chintzoglou, G., Patsourakos, S., Vourlidas, A. : 2015, The Astrophysical Journal 809, 34. doi: [10.1088/0004-637X/809/1/34](https://doi.org/10.1088/0004-637X/809/1/34).
Formation of Magnetic Flux Ropes during a Confined Flaring Well before the Onset of a Pair of Major Coronal Mass Ejections.
- Colaninno, R. C., Vourlidas, A. : 2015, The Astrophysical Journal 815, 70. doi: [10.1088/0004-637X/815/1/70](https://doi.org/10.1088/0004-637X/815/1/70).
Using Multiple-viewpoint Observations to Determine the Interaction of Three Coronal Mass Ejections Observed on 2012 March 5.
- Collette, A., Meyer, G., Malaspina, D., Sternovsky, Z. : 2015, Journal of Geophysical Research (Space Physics) 120, 5298. doi: [10.1002/2015JA021198](https://doi.org/10.1002/2015JA021198).
Laboratory investigation of antenna signals from dust impacts on spacecraft.

- Conlon, T. M., Milan, S. E., Davies, J. A., Williams, A. O. : 2015, Solar Physics 290, 2291. doi: [10.1007/s11207-015-0759-z](https://doi.org/10.1007/s11207-015-0759-z).
- Corotating Interaction Regions as Seen by the STEREO Heliospheric Imagers 2007 - 2010.*
- Conlon, Thomas M.: 2015, Thesis (PhD), University of Leicester (UK).
STEREO observations of solar wind transients in the inner heliosphere.
- Cremades, H., Mandrini, C. H., Schmieder, B., Crescitelli, A. M. : 2015, Solar Physics 290, 1671. doi: [10.1007/s11207-015-0717-9](https://doi.org/10.1007/s11207-015-0717-9).
- Coronal Mass Ejections from the Same Active Region Cluster: Two Different Perspectives.*
- Cunha-Silva, R. D., Fernandes, F. C. R., Selhorst, C. L. : 2015, Astronomy and Astrophysics 578, A38. doi: [10.1051/0004-6361/201425388](https://doi.org/10.1051/0004-6361/201425388).
- Solar type II radio bursts associated with CME expansions as shown by EUV waves.*
- Cunha-Silva, R. D., Fernandes, F. C. R., Selhorst, C. L. : 2015, Advances in Space Research 56, 2804. doi: [10.1016/j.asr.2015.07.029](https://doi.org/10.1016/j.asr.2015.07.029).
- Shock wave driven by CME evidenced by metric type II burst and EUV wave.*
- Dai, X., Wang, H., Huang, X., Du, Z., He, H.: 2015, The Astrophysical Journal 801, 39. doi: [10.1088/0004-637X/801/1/39](https://doi.org/10.1088/0004-637X/801/1/39).
- An Improvement on Mass Calculations of Solar Coronal Mass Ejections via Polarimetric Reconstruction.*
- DeForest, C. E., Howard, T. A. : 2015, The Astrophysical Journal 804, 126. doi: [10.1088/0004-637X/804/2/126](https://doi.org/10.1088/0004-637X/804/2/126).
- Feasibility of Heliospheric Imaging from Near Earth.*
- DeForest, C. E., Matthaeus, W. H., Howard, T. A., Rice, D. R. : 2015, The Astrophysical Journal 812, 108. doi: [10.1088/0004-637X/812/2/108](https://doi.org/10.1088/0004-637X/812/2/108).
- Turbulence in the Solar Wind Measured with Comet Tail Test Particles.*
- Del Zanna, G., Tripathi, D., Mason, H., Subramanian, S., O'Dwyer, B.: 2015, Astronomy and Astrophysics 573, AA104. doi: [10.1051/0004-6361/201424561](https://doi.org/10.1051/0004-6361/201424561).
- The evolution of the emission measure distribution in the core of an active region.*
- Doran, D.: 2015, Masters (MSc), University of Central Lancashire. doi: [Time Evolution of Solar Energetic Particle Spectra.](#)
- Dorovskyy, V. V., Melnik, V. N., Konovalenko, A. A., Brazhenko, A. I., Panchenko, M., Poedts, S., Mykhaylov, V. A. : 2015, Solar Physics 290, 2031. doi: [10.1007/s11207-015-0725-9](https://doi.org/10.1007/s11207-015-0725-9).
- Fine and Superfine Structure of the Decameter-Hectometer Type II Burst on 7 June 2011.*
- Dorovskyy, V. V., Melnik, V. N., Konovalenko, A. A., Bubnov, I. N., Gridin, A. A., Shevchuk, N. V., Rucker, H. O., Poedts, S., Panchenko, M.: 2015, Solar Physics 290, 181-192. doi: [10.1007/s11207-014-0615-6](https://doi.org/10.1007/s11207-014-0615-6).
- Decameter U-burst Harmonic Pair from a High Loop.*
- Drews, C., Berger, L., Taut, A., Peleikis, T., Wimmer-Schweingruber, R. F.: 2015, Astronomy and Astrophysics 575, AA97. doi: [10.1051/0004-6361/201425271](https://doi.org/10.1051/0004-6361/201425271).
- 2D He^+ pickup ion velocity distribution functions: STEREO PLASTIC observations.*
- Eselevich, V. G., Eselevich, M. V.: 2015, Cosmic Research 53, 21-30. doi: [10.1134/S0010952515010049](https://doi.org/10.1134/S0010952515010049).

Differences in the development of the initial phase of the formation of two types of coronal mass ejections.

Eselevich, V. G., Eselevich, M. V., Sadykov, V. M., Zimovets, I. V. : 2015, Advances in Space Research 56, 2793. doi:[10.1016/j.asr.2015.03.041](https://doi.org/10.1016/j.asr.2015.03.041).

Evidence of a blast shock wave formation in a "CME-streamer" interaction.

Facskó, G., Opitz, A., Lavraud, B., Luhmann, J. G., Russell, C. T., Sauvaud, J.-A., Fedorov, A., Kis, A., Wesztergom, V.: 2015, Journal of Atmospheric and Solar-Terrestrial Physics 124, 39-43. doi:[10.1016/j.jastp.2015.01.011](https://doi.org/10.1016/j.jastp.2015.01.011).

Hot flow anomaly remnant in the far geotail?

Feldman, W. C., Lawrence, D. J., Vestrand, W. T., Baker, D. N., Peplowski, P. N., Rodgers, D. J. : 2015, Journal of Geophysical Research (Space Physics) 120, 8247. doi:[10.1002/2015JA021042](https://doi.org/10.1002/2015JA021042).
Long-duration neutron production by nonflaring transients in the solar corona.

Feng, L., Inhester, B., Gan, W. : 2015, The Astrophysical Journal 805, 113. doi:[10.1088/0004-637X/805/2/113](https://doi.org/10.1088/0004-637X/805/2/113).

Radial Flow Pattern of a Slow Coronal Mass Ejection.

Feng, L., Wang, Y., Shen, F., Shen, C., Inhester, B., Lu, L., Gan, W. : 2015, The Astrophysical Journal 812, 70. doi:[10.1088/0004-637X/812/1/70](https://doi.org/10.1088/0004-637X/812/1/70).

Why Does the Apparent Mass of a Coronal Mass Ejection Increase?

Feng, S. W., Du, G. H., Chen, Y., Kong, X. L., Li, G., Guo, F.: 2015, Solar Physics, Online First. doi:[10.1007/s11207-015-0673-4](https://doi.org/10.1007/s11207-015-0673-4).

Simultaneous Radio and EUV Imaging of a Multi-lane Coronal Type II Radio Burst.

Filippov, B. : 2015, Monthly Notices of the Royal Astronomical Society 453, 1550. doi:[10.1093/mnras/stv1756](https://doi.org/10.1093/mnras/stv1756).

Covert connection of filaments.

Filippov, B., Martsenyuk, O., Srivastava, A. K., Uddin, W. : 2015, Journal of Astrophysics and Astronomy 36, 157. doi:[10.1007/s12036-015-9321-5](https://doi.org/10.1007/s12036-015-9321-5).

Solar Magnetic Flux Ropes.

Filippov, B., Srivastava, A. K., Dwivedi, B. N., Masson, S., Aulanier, G., Joshi, N. C., Uddin, W. : 2015, Monthly Notices of the Royal Astronomical Society 451, 1117. doi:[10.1093/mnras/stv1039](https://doi.org/10.1093/mnras/stv1039).
Formation of a rotating jet during the filament eruption on 2013 April 10-11.

Frisch, P. C., Bzowski, M., Drews, C., Leonard, T., Livadiotis, G., McComas, D. J., Möbius, E., Schwadron, N., Sokól, J. M.: 2015, The Astrophysical Journal 801, 61. doi:[10.1088/0004-637X/801/1/61](https://doi.org/10.1088/0004-637X/801/1/61).

Correcting the Record on the Analysis of IBEX and STEREO Data Regarding Variations in the Neutral Interstellar Wind.

Gómez-Herrero, R., Dresing, N., Klassen, A., Heber, B., Lario, D., Agueda, N., Malandraki, O. E., Blanco, J. J., Rodríguez-Pacheco, J., Banjac, S.: 2015, The Astrophysical Journal 799, 55. doi:[10.1088/0004-637X/799/1/55](https://doi.org/10.1088/0004-637X/799/1/55).

Circumsolar Energetic Particle Distribution on 2011 November 3.

Good, S. W., Forsyth, R. J., Raines, J. M., Gershman, D. J., Slavin, J. A., Zurbuchen, T. H. : 2015, The Astrophysical Journal 807, 177. doi:[10.1088/0004-637X/807/2/177](https://doi.org/10.1088/0004-637X/807/2/177).

Radial Evolution of a Magnetic Cloud: MESSENGER, STEREO, and Venus Express Observations.

Gopalswamy, N., Makela, P., Akiyama, S., Yashiro, S., Thakur, N. : 2015, Sun and Geosphere 10, 111.

CMEs during the Two Activity Peaks in Cycle 24 and their Space Weather Consequences.

Gopalswamy, N., Mäkelä, P., Akiyama, S., Yashiro, S., Xie, H., Thakur, N., Kahler, S. W. : 2015, The Astrophysical Journal 806, 8. doi:[10.1088/0004-637X/806/1/8](https://doi.org/10.1088/0004-637X/806/1/8).

Large Solar Energetic Particle Events Associated with Filament Eruptions Outside of Active Regions.

Gopalswamy, N., Mäkelä, P., Yashiro, S., Xie, H., Akiyama, S., Thakur, N. : 2015, Journal of Physics Conference Series 642, 012012. doi:[10.1088/1742-6596/642/1/012012](https://doi.org/10.1088/1742-6596/642/1/012012).

High-energy solar particle events in cycle 24.

Gopalswamy, N., Tsurutani, B., Yan, Y. : 2015, Progress in Earth and Planetary Science 2, 13. doi: [10.1186/s40645-015-0043-8](https://doi.org/10.1186/s40645-015-0043-8).

Short-term variability of the Sun-Earth system: an overview of progress made during the CAWSES-II period.

Gopalswamy, N., Xie, H., Akiyama, S., Mäkelä, P., Yashiro, S., Michalek, G. : 2015, The Astrophysical Journal 804, L23. doi:[10.1088/2041-8205/804/1/L23](https://doi.org/10.1088/2041-8205/804/1/L23).

The Peculiar Behavior of Halo Coronal Mass Ejections in Solar Cycle 24.

Gopalswamy, N., Yashiro, S., Akiyama, S. : 2015, The Astrophysical Journal 809, 106. doi: [10.1088/0004-637X/809/1/106](https://doi.org/10.1088/0004-637X/809/1/106).

Kinematic and Energetic Properties of the 2012 March 12 Polar Coronal Mass Ejection.

Graham, D. B., Cairns, I. H. : 2015, Journal of Geophysical Research (Space Physics) 120, 4126. doi:[10.1002/2015JA021120](https://doi.org/10.1002/2015JA021120).

The Langmuir waves associated with the 1 December 2013 type II burst.

Grechnev, V. V., Uralov, A. M., Kuzmenko, I. V., Kochanov, A. A., Chertok, I. M., Kalashnikov, S. S.: 2015, Solar Physics 290, 129-158. doi:[10.1007/s11207-014-0621-8](https://doi.org/10.1007/s11207-014-0621-8).

Responsibility of a Filament Eruption for the Initiation of a Flare, CME, and Blast Wave, and its Possible Transformation into a Bow Shock.

Guidoni, S. E., McKenzie, D. E., Longcope, D. W., Plowman, J. E., Yoshimura, K.: 2015, The Astrophysical Journal 800, 54. doi:[10.1088/0004-637X/800/1/54](https://doi.org/10.1088/0004-637X/800/1/54).

Temperature and electron density diagnostics of a candle-flame-shaped flare.

Guo, Y., Ding, M. D., Chen, P. F. : 2015, The Astrophysical Journal Supplement Series 219, 36. doi:[10.1088/0067-0049/219/2/36](https://doi.org/10.1088/0067-0049/219/2/36).

Slow Patchy Extreme-ultraviolet Propagating Fronts Associated with Fast Coronal Magneto-acoustic Waves in Solar Eruptions.

Hardwick, Stuart: 2015, Thesis (PhD) Aberystwyth University. doi: [10.1007/s11207-015-0761-5](https://doi.org/10.1007/s11207-015-0761-5).
Studies of the Solar Wind with Interplanetary Scintillation.

Hariharan, K., Ramesh, R., Kathiravan, C. : 2015, Solar Physics 290, 2479. doi:[10.1007/s11207-015-0761-5](https://doi.org/10.1007/s11207-015-0761-5).

Observations of Near-Simultaneous Split-Band Solar Type-II Radio Bursts at Low Frequencies.

Hess, P., Zhang, J. : 2015, The Astrophysical Journal 812, 144. doi:[10.1088/0004-637X/812/2/144](https://doi.org/10.1088/0004-637X/812/2/144).

Predicting CME Ejecta and Sheath Front Arrival at L1 with a Data-constrained Physical Model.

Hess, Phillip: 2015, Ph.D. Thesis, George Mason University.

Understanding the evolution and propagation of coronal mass ejections and associated plasma sheaths in interplanetary space.

Howard, R. A. : 2015, Applied Optics 54, F298. doi:[10.1364/AO.54.00F298](https://doi.org/10.1364/AO.54.00F298).

Recent white-light coronagraphs at the Naval Research Laboratory.

Howard, T. A. : 2015, The Astrophysical Journal 806, 175. doi:[10.1088/0004-637X/806/2/175](https://doi.org/10.1088/0004-637X/806/2/175).

Measuring an Eruptive Prominence at Large Distances from the Sun. I. Ionization and Early Evolution.

Howard, T. A. : 2015, The Astrophysical Journal 806, 176. doi:[10.1088/0004-637X/806/2/176](https://doi.org/10.1088/0004-637X/806/2/176).

Measuring an Eruptive Prominence at Large Distances from the Sun. II. Approaching 1 AU.

Howard, T. A., DeForest, C. E.: 2015, The Astrophysical Journal 800, LL25. doi:[10.1088/2041-8205/800/2/L25](https://doi.org/10.1088/2041-8205/800/2/L25).

Observations of a Solar Wind Domain Boundary Extending 1 AU from the Sun.

Hutton, J., Morgan, H. : 2015, The Astrophysical Journal 813, 35. doi:[10.1088/0004-637X/813/1/35](https://doi.org/10.1088/0004-637X/813/1/35).

Erupting Filaments with Large Enclosing Flux Tubes as Sources of High-mass Three-part CMEs, and Erupting Filaments in the Absence of Enclosing Flux Tubes as Sources of Low-mass Unstructured CMEs.

Iju, T., Abe, S., Tokumaru, M., Fujiki, K.: 2015, Icarus 252, 301-310. doi:[10.1016/j.icarus.2015.02.007](https://doi.org/10.1016/j.icarus.2015.02.007).

Plasma distribution of Comet ISON (C/2012 S1) observed using the radio scintillation method.

Intriligator, D. S., Sun, W., Dryer, M., Intriligator, J., Deehr, C., Detman, T., Webber, W. R. : 2015, Journal of Geophysical Research (Space Physics) 120, 8267. doi:[10.1002/2015JA021406](https://doi.org/10.1002/2015JA021406).

Did the July 2012 solar events cause a "tsunami" throughout the heliosphere, heliosheath, and into the interstellar medium?

Janvier, M., Aulanier, G., Démoulin, P. : 2015, Solar Physics 290, 3425. doi:[10.1007/s11207-015-0710-3](https://doi.org/10.1007/s11207-015-0710-3).

From Coronal Observations to MHD Simulations, the Building Blocks for 3D Models of Solar Flares (Invited Review).

Janvier, M., Dasso, S., Démoulin, P., Masías-Meza, J. J., Lugaz, N. : 2015, Journal of Geophysical Research (Space Physics) 120, 3328. doi:[10.1002/2014JA020836](https://doi.org/10.1002/2014JA020836).

Comparing generic models for interplanetary shocks and magnetic clouds axis configurations at 1 AU.

Jardine, M.: 2015, Highlights of Astronomy 16, 109-110. doi:[10.1017/S1743921314004761](https://doi.org/10.1017/S1743921314004761).
3D Perspectives of Stellar Activity: Observation and Modelling.

Joshi, A. D., Forbes, T. G., Park, S.-H., Cho, K.-S.: 2015, The Astrophysical Journal 798, 97. doi:[10.1088/0004-637X/798/2/97](https://doi.org/10.1088/0004-637X/798/2/97).

A Trio of Confined Flares in AR 11087.

Joyce, C. J., Schwadron, N. A., Townsend, L. W., Mewaldt, R. A., Cohen, C. M. S., Rosenvinge, T. T., Case, A. W., Spence, H. E., Wilson, J. K., Gorby, M., Quinn, M., Zeitlin, C. J. : 2015, Space Weather 13, 560. doi:[10.1002/2015SW001208](https://doi.org/10.1002/2015SW001208).

Analysis of the potential radiation hazard of the 23 July 2012 SEP event observed by STEREO A using the EMMREM model and LRO/CRaTER.

Kanda, Natsuo: 2015, Thesis (MS), Nagoya University.

Statistical Study of the Conditions for Filament Eruptions Based on Satellite Observations.

Kay, C., dos Santos, L. F. G., Opher, M.: 2015, The Astrophysical Journal 801, LL21. doi:[10.1088/2041-8205/801/2/L21](https://doi.org/10.1088/2041-8205/801/2/L21).

Constraining the Masses and the Non-radial Drag Coefficient of a Solar Coronal Mass Ejection.

Kellerman, A. C., McPherron, R. L., Weygand, J. M. : 2015, Journal of Geophysical Research (Space Physics) 120, 1489. doi:[10.1002/2014JA020334](https://doi.org/10.1002/2014JA020334).

On the azimuthal evolution and geoeffectiveness of the SIR-associated stream interface.

Khabarova, O., Zank, G. P., Li, G., le Roux, J. A., Webb, G. M., Dosch, A., Malandraki, O. E. : 2015, The Astrophysical Journal 808, 181. doi:[10.1088/0004-637X/808/2/181](https://doi.org/10.1088/0004-637X/808/2/181).

Small-scale Magnetic Islands in the Solar Wind and Their Role in Particle Acceleration. I. Dynamics of Magnetic Islands Near the Heliospheric Current Sheet.

Kilpua, E. K. J., Lumme, E., Andreeova, K., Isavnin, A., Koskinen, H. E. J. : 2015, Journal of Geophysical Research (Space Physics) 120, 4112. doi:[10.1002/2015JA021138](https://doi.org/10.1002/2015JA021138).

Properties and drivers of fast interplanetary shocks near the orbit of the Earth (1995–2013).

Kim, S., Yoon, P. H., Choe, G. S., Wang, L. : 2015, The Astrophysical Journal 806, 32. doi:[10.1088/0004-637X/806/1/32](https://doi.org/10.1088/0004-637X/806/1/32).

Asymptotic Theory of Solar Wind Electrons.

Kirnosov, V., Chang, L.-C., Pulkkinen, A. : 2015, Space Weather 13, 469. doi:[10.1002/2015SW001190](https://doi.org/10.1002/2015SW001190).

Automatic CME front edge detection from STEREO white-light coronagraph images.

Klassen, A., Dresing, N., Gómez-Herrero, R., Heber, B. : 2015, Astronomy and Astrophysics 580, A115. doi:[10.1051/0004-6361/201525700](https://doi.org/10.1051/0004-6361/201525700).

First simultaneous observations of a near-relativistic electron spike event by both STEREO spacecraft.

Kleint, L., Battaglia, M., Reardon, K., Sainz Dalda, A., Young, P. R., Krucker, S. : 2015, The Astrophysical Journal 806, 9. doi:[10.1088/0004-637X/806/1/9](https://doi.org/10.1088/0004-637X/806/1/9).

The Fast Filament Eruption Leading to the X-flare on 2014 March 29.

Kong, X., Chen, Y., Guo, F., Feng, S., Wang, B., Du, G., Li, G.: 2015, The Astrophysical Journal 798, 81. doi:[10.1088/0004-637X/798/2/81](https://doi.org/10.1088/0004-637X/798/2/81).

The Possible Role of Coronal Streamers as Magnetically Closed Structures in Shock-induced Energetic Electrons and Metric Type II Radio Bursts.

Krafft, C., Volokitin, A. S., Krasnoselskikh, V. V. : 2015, The Astrophysical Journal 809, 176. doi:[10.1088/0004-637X/809/2/176](https://doi.org/10.1088/0004-637X/809/2/176).

Langmuir Wave Decay in Inhomogeneous Solar Wind Plasmas: Simulation Results.

Krucker, S., Saint-Hilaire, P., Hudson, H. S., Haberreiter, M., Martinez-Oliveros, J. C., Fivian, M. D., Hurford, G., Kleint, L., Battaglia, M., Kuhar, M., Arnold, N. G.: 2015, The Astrophysical Journal 802, 19. doi:[10.1088/0004-637X/802/1/19](https://doi.org/10.1088/0004-637X/802/1/19).

Co-Spatial White Light and Hard X-Ray Flare Footpoints Seen Above the Solar Limb.

Krupar, V., Kontar, E. P., Soucek, J., Santolik, O., Maksimovic, M., Kruparova, O. : 2015, Astronomy and Astrophysics 580, A137. doi:[10.1051/0004-6361/201425308](https://doi.org/10.1051/0004-6361/201425308).

On the speed and acceleration of electron beams triggering interplanetary type III radio bursts.

Kwon, R.-Y., Zhang, J., Vourlidas, A.: 2015, The Astrophysical Journal 799, LL29. doi:[10.1088/2041-8205/799/2/L29](https://doi.org/10.1088/2041-8205/799/2/L29).

Are Halo-like Solar Coronal Mass Ejections Merely a Matter of Geometric Projection Effects?

Lario, D., Decker, R. B., Roelof, E. C., Viñas, A.-F. : 2015, The Astrophysical Journal 813, 85. doi:[10.1088/0004-637X/813/2/85](https://doi.org/10.1088/0004-637X/813/2/85).

Energetic Particle Pressure at Interplanetary Shocks: STEREO-A Observations.

Lario, D., Decker, R. B., Roelof, E. C., Viñas, A.-F. : 2015, Journal of Physics Conference Series 642, 012014. doi:[10.1088/1742-6596/642/1/012014](https://doi.org/10.1088/1742-6596/642/1/012014).

Energetic particle pressure in intense ESP events.

Le Chat, G., Issautier, K., Zaslavsky, A., Pantellini, F., Meyer-Vernet, N., Belheouane, S., Maksimovic, M.: 2015, Solar Physics 290, 933. doi:[10.1007/s11207-015-0651-x](https://doi.org/10.1007/s11207-015-0651-x).

Effect of the Interplanetary Medium on Nanodust Observations by the Solar Terrestrial Relations Observatory.

Lee, C. O., Arge, C. N., Odstrcil, D., Millward, G., Pizzo, V., Lugaz, N.: 2015, Solar Physics. doi:[10.1007/s11207-015-0667-2](https://doi.org/10.1007/s11207-015-0667-2).

Ensemble Modeling of Successive Halo CMEs: A Case Study.

Lee, H., Moon, Y.-J., Na, H., Jang, S., Lee, J.-O. : 2015, Journal of Geophysical Research (Space Physics) 120, 10. doi:[10.1002/2015JA021118](https://doi.org/10.1002/2015JA021118).

Are 3-D coronal mass ejection parameters from single-view observations consistent with multiview ones?

Lee, J.-Y., Raymond, J. C., Reeves, K. K., Moon, Y.-J., Kim, K.-S.: 2015, The Astrophysical Journal 798, 106. doi:[10.1088/0004-637X/798/2/106](https://doi.org/10.1088/0004-637X/798/2/106).

Mass and Energy of Erupting Solar Plasma Observed with the X-Ray Telescope on Hinode.

Li, D., Ning, Z. J., Zhang, Q. M. : 2015, The Astrophysical Journal 807, 72. doi:[10.1088/0004-637X/807/1/72](https://doi.org/10.1088/0004-637X/807/1/72).

Imaging and Spectral Observations of Quasi-periodic Pulsations in a Solar Flare.

Li, J., Jewitt, D.: 2015, The Astronomical Journal 149, 133. doi:[10.1088/0004-6256/149/4/133](https://doi.org/10.1088/0004-6256/149/4/133).
Disappearance of Comet C/2010 X1 (Elenin): Gone With a Whimper, Not a Bang.

Liewer, P., Panasenco, O., Vourlidas, A., Colaninno, R. : 2015, Solar Physics 290, 3343. doi:[10.1007/s11207-015-0794-9](https://doi.org/10.1007/s11207-015-0794-9).

Observations and Analysis of the Non-Radial Propagation of Coronal Mass Ejections Near the Sun.

Liu, J., Wang, Y., Shen, C., Liu, K., Pan, Z., Wang, S. : 2015, The Astrophysical Journal 813, 115. doi:[10.1088/0004-637X/813/2/115](https://doi.org/10.1088/0004-637X/813/2/115).

A Solar Coronal Jet Event Triggers a Coronal Mass Ejection.

Liu, K., Wang, Y., Zhang, J., Cheng, X., Liu, R., Shen, C.: 2015, The Astrophysical Journal 802, 35. doi:[10.1088/0004-637X/802/1/35](https://doi.org/10.1088/0004-637X/802/1/35).

Extremely Large EUV Late Phase of Solar Flares.

Loto'aniu, T. M., Singer, H. J., Rodriguez, J. V., Green, J., Denig, W., Biesecker, D., Angelopoulos, V. : 2015, Space Weather 13, 484. doi:[10.1002/2015SW001239](https://doi.org/10.1002/2015SW001239).

Space weather conditions during the Galaxy 15 spacecraft anomaly.

Louis, R. E., Kliem, B., Ravindra, B., Chintzoglou, G. : 2015, Solar Physics 290, 3641. doi:[10.1007/s11207-015-0726-8](https://doi.org/10.1007/s11207-015-0726-8).

Triggering an Eruptive Flare by Emerging Flux in a Solar Active-Region Complex.

Lowder, Christopher A.: 2015, Thesis (PhD,) Montana State University. doi:
Connecting coronal holes and open magnetic flux through observation and models of solar cycles 23 and 24.

Malaspina, D. M., O'Brien, L. E., Thayer, F., Sternovsky, Z., Collette, A. : 2015, Journal of Geophysical Research (Space Physics) 120, 6085. doi:[10.1002/2015JA021352](https://doi.org/10.1002/2015JA021352).
Revisiting STEREO interplanetary and interstellar dust flux and mass estimates.

Martínez-Oliveros, J. C., Raftery, C., Bain, H., Liu, Y., Pulupa, M., Saint-Hilaire, P., Higgins, P., Krupar, V., Krucker, S., Bale, S. D.: 2015, Solar Physics 290, 891-901. doi:[10.1007/s11207-014-0638-z](https://doi.org/10.1007/s11207-014-0638-z).

STEREO-Wind Radio Positioning of an Unusually Slow Drifting Event.

Mays, M. L., Taktakishvili, A., Pulkkinen, A., MacNeice, P. J., Rastätter, L., Odstrcil, D., Jian, L. K., Richardson, I. G., LaSota, J. A., Zheng, Y., Kuznetsova, M. M. : 2015, Solar Physics 290, 1775. doi:[10.1007/s11207-015-0692-1](https://doi.org/10.1007/s11207-015-0692-1).

Ensemble Modeling of CMEs Using the WSA-ENLIL+Cone Model.

Mays, M. L., Thompson, B. J., Jian, L. K., Colaninno, R. C., Odstrcil, D., Möstl, C., Temmer, M., Savani, N. P., Collinson, G., Taktakishvili, A., MacNeice, P. J., Zheng, Y. : 2015, The Astrophysical Journal 812, 145. doi:[10.1088/0004-637X/812/2/145](https://doi.org/10.1088/0004-637X/812/2/145).

Propagation of the 7 January 2014 CME and Resulting Geomagnetic Non-event.

McCauley, P. I., Su, Y. N., Schanche, N., Evans, K. E., Su, C., McKillop, S., Reeves, K. K. : 2015, Solar Physics 290, 1703. doi:[10.1007/s11207-015-0699-7](https://doi.org/10.1007/s11207-015-0699-7).

Prominence and Filament Eruptions Observed by the Solar Dynamics Observatory: Statistical Properties, Kinematics, and Online Catalog.

McIntosh, S. W., Leamon, R. J., Krista, L. D., Title, A. M., Hudson, H. S., Riley, P., Harder, J. W., Kopp, G., Snow, M., Woods, T. N., Kasper, J. C., Stevens, M. L., Ulrich, R. K. : 2015, Nature Communications 6, 6491. doi:[10.1038/ncomms7491](https://doi.org/10.1038/ncomms7491).

The solar magnetic activity band interaction and instabilities that shape quasi-periodic variability.

Meng, X., van der Holst, B., Tóth, G., Gombosi, T. I. : 2015, Monthly Notices of the Royal Astronomical Society 454, 3697. doi:[10.1093/mnras/stv2249](https://doi.org/10.1093/mnras/stv2249).

Alfvén wave solar model (AWSOM): proton temperature anisotropy and solar wind acceleration.

Meyer-Vernet, N., Mann, I., Le Chat, G., Schippers, P., Belheouane, S., Issautier, K., Lecacheux, A., Maksimovic, M., Pantellini, F., Zaslavsky, A.: 2015, Plasma Phys. Control. Fusion 57, 1. doi: [10.1088/0741-3335/57/1/014015](https://doi.org/10.1088/0741-3335/57/1/014015).

The physics and detection of nanodust in the solar system.

Mishra, W., Srivastava, N. : 2015, Journal of Space Weather and Space Climate 5, A20. doi: [10.1051/swsc/2015021](https://doi.org/10.1051/swsc/2015021).

Heliospheric tracking of enhanced density structures of the 6 October 2010 CME.

Mishra, W., Srivastava, N., Singh, T. : 2015, Journal of Geophysical Research (Space Physics) 120, 10. doi:[10.1002/2015JA021415](https://doi.org/10.1002/2015JA021415).

Kinematics of interacting CMEs of 25 and 28 September 2012.

Mishra, W., Srivastava, N., Chakrabarty, D.: 2015, Solar Physics, 290, 527. doi:[10.1007/s11207-014-0625-4](https://doi.org/10.1007/s11207-014-0625-4).

Evolution and Consequences of Interacting CMEs of 2012 November 9-10 using STEREO/SECCHI and In Situ Observations.

Moore, R. L., Sterling, A. C., Falconer, D. A. : 2015, The Astrophysical Journal 806, 11. doi: [10.1088/0004-637X/806/1/11](https://doi.org/10.1088/0004-637X/806/1/11).

Magnetic Untwisting in Solar Jets that Go into the Outer Corona in Polar Coronal Holes.

Morgan, H. : 2015, The Astrophysical Journal Supplement Series 219, 23. doi: [10.1088/0067-0049/219/2/23](https://doi.org/10.1088/0067-0049/219/2/23).

An Atlas of Coronal Electron Density at $5R_{\odot}$. I. Data Processing and Calibration.

Morioka, A., Miyoshi, Y., Iwai, K., Kasaba, Y., Masuda, S., Misawa, H., Obara, T. : 2015, The Astrophysical Journal 808, 191. doi:[10.1088/0004-637X/808/2/191](https://doi.org/10.1088/0004-637X/808/2/191).

Solar Micro-Type III Burst Storms and Long Dipolar Magnetic Field in the Outer Corona.

Murphy, Matthew : 2015, Thesis (MS), Rochester Institute of Technology.

Statistical Study of Interplanetary Coronal Mass Ejections with Strong Magnetic Fields.

Mäkelä, P., Gopalswamy, N., Akiyama, S., Xie, H., Yashiro, S. : 2015, The Astrophysical Journal 806, 13. doi:[10.1088/0004-637X/806/1/13](https://doi.org/10.1088/0004-637X/806/1/13).

Estimating the Height of CMEs Associated with a Major SEP Event at the Onset of the Metric Type II Radio Burst during Solar Cycles 23 and 24.

Möbius, E., Lee, M. A., Drews, C. : 2015, The Astrophysical Journal 815, 20. doi: [10.1088/0004-637X/815/1/20](https://doi.org/10.1088/0004-637X/815/1/20).

Interstellar Flow Longitude from the Symmetry of the Pickup Ion Cut-off at 1 AU.

Möstl, C., Rollett, T., Frahm, R. A., Liu, Y. D., Long, D. M., Colaninno, R. C., Reiss, M. A., Temmer, M., Farrugia, C. J., Posner, A., Dumbovic, M., Janvier, M., Démoulin, P., Boakes, P., Devos, A., Kraaijkamp, E., Mays, M. L., Vrsnak, B. : 2015, Nature Communications 6, 7135. doi: [10.1038/ncomms8135](https://doi.org/10.1038/ncomms8135).

Strong coronal channelling and interplanetary evolution of a solar storm up to Earth and Mars.

Niembro, T., Cantó, J., Lara, A., González, R. F. : 2015, The Astrophysical Journal 811, 69. doi: [10.1088/0004-637X/811/1/69](https://doi.org/10.1088/0004-637X/811/1/69).

An Analytical Model of Interplanetary Coronal Mass Ejection Interactions.

Nisticò, G., Zimbardo, G., Patsourakos, S., Bothmer, V., Nakariakov, V. M. : 2015, *Astronomy and Astrophysics* 583, A127. doi:[10.1051/0004-6361/201525731](https://doi.org/10.1051/0004-6361/201525731).

North-south asymmetry in the magnetic deflection of polar coronal hole jets.

Nitta, N. V., Mason, G. M., Wang, L., Cohen, C. M. S., Wiedenbeck, M. E. : 2015, *The Astrophysical Journal* 806, 235. doi:[10.1088/0004-637X/806/2/235](https://doi.org/10.1088/0004-637X/806/2/235).

Solar Sources of ^3He -rich Solar Energetic Particle Events in Solar Cycle 24.

Nuevo, F. A., Vásquez, A. M., Landi, E., Frazin, R. : 2015, *The Astrophysical Journal* 811, 128. doi:[10.1088/0004-637X/811/2/128](https://doi.org/10.1088/0004-637X/811/2/128).

Multimodal Differential Emission Measure in the Solar Corona.

Oran, R., Landi, E., van der Holst, B., Lepri, S. T., Vásquez, A. M., Nuevo, F. A., Frazin, R., Manchester, W., Sokolov, I., Gombosi, T. I. : 2015, *The Astrophysical Journal* 806, 55. doi:[10.1088/0004-637X/806/1/55](https://doi.org/10.1088/0004-637X/806/1/55).

A Steady-state Picture of Solar Wind Acceleration and Charge State Composition Derived from a Global Wave-driven MHD Model.

Panesar, N. K., Sterling, A. C., Innes, D. E., Moore, R. L. : 2015, *The Astrophysical Journal* 811, 5. doi:[10.1088/0004-637X/811/1/5](https://doi.org/10.1088/0004-637X/811/1/5).

Destabilization of a Solar Prominence/Filament Field System by a Series of Eight Homologous Eruptive Flares Leading to a CME.

Park, J., Innes, D. E., Bucik, R., Moon, Y.-J., Kahler, S. W. : 2015, *The Astrophysical Journal* 808, 3. doi:[10.1088/0004-637X/808/1/3](https://doi.org/10.1088/0004-637X/808/1/3).

Study of Solar Energetic Particle Associations with Coronal Extreme-ultraviolet Waves.

Pasachoff, J. M., Rusin, V., Saniga, M., Babcock, B. A., Lu, M., Davis, A. B., Dantowitz, R., Gaintatzis, P., Seiradakis, J. H., Voulgaris, A., Seaton, D. B., Shiota, K.: 2015, *The Astrophysical Journal* 800, 90. doi:[10.1088/0004-637X/800/2/90](https://doi.org/10.1088/0004-637X/800/2/90).

Structure and Dynamics of the 2012 November 13/14 Eclipse White-light Corona.

Pauluhn, A., Huber, M. C. E., Smith, P. L., Colina, L. : 2015, *Astronomy and Astrophysics Review* 24, 3. doi:[10.1007/s00159-015-0086-2](https://doi.org/10.1007/s00159-015-0086-2).

Spectroradiometry with space telescopes.

Pesce-Rollins, M., Omodei, N., Petrosian, V., Liu, W., Rubio da Costa, F., Allafort, A., Chen, Q. : 2015, *The Astrophysical Journal* 805, L15. doi:[10.1088/2041-8205/805/2/L15](https://doi.org/10.1088/2041-8205/805/2/L15).

First Detection of >100 MeV Gamma Rays Associated with a Behind-the-limb Solar Flare.

Podesta, J. J. : 2015, *Journal of Geophysical Research (Space Physics)* 120, 3350. doi:[10.1002/2015JA021010](https://doi.org/10.1002/2015JA021010).

On the resolution of the phase space density required to obtain a specified accuracy of the solar wind bulk velocity.

Poletto, G. : 2015, *Living Reviews in Solar Physics* 12, 7. doi:[10.1007/lrsp-2015-7](https://doi.org/10.1007/lrsp-2015-7).

Solar Coronal Plumes.

Prise, A. J., Harra, L. K., Matthews, S. A., Arridge, C. S., Achilleos, N. : 2015, *Journal of Geophysical Research (Space Physics)* 120, 1566. doi:[10.1002/2014JA020256](https://doi.org/10.1002/2014JA020256).

Analysis of a coronal mass ejection and corotating interaction region as they travel from the Sun passing Venus, Earth, Mars, and Saturn.

- Raouafi, N.-E., Lisse, C. M., Stenborg, G., Jones, G. H., Schmidt, C. A. : 2015, Journal of Geophysical Research (Space Physics) 120, 5329. doi:[10.1002/2014JA020926](https://doi.org/10.1002/2014JA020926).
Dynamics of HVECs emitted from comet C/2011 L4 as observed by STEREO.
- Reames, D. V. : 2015, Space Science Reviews 194, 303. doi:[10.1007/s11214-015-0210-7](https://doi.org/10.1007/s11214-015-0210-7).
What Are the Sources of Solar Energetic Particles? Element Abundances and Source Plasma Temperatures.
- Reiner, M. J., MacDowall, R. J. : 2015, Solar Physics 290, 2975. doi:[10.1007/s11207-015-0779-8](https://doi.org/10.1007/s11207-015-0779-8).
Electron Exciter Speeds Associated with Interplanetary Type III Solar Radio Bursts.
- Richardson, I. G., von Rosenvinge, T. T., Cane, H. V. : 2015, Solar Physics 290, 1741. doi:[10.1007/s11207-015-0701-4](https://doi.org/10.1007/s11207-015-0701-4).
The Properties of Solar Energetic Particle Event-Associated Coronal Mass Ejections Reported in Different CME Catalogs.
- Romanov, D. V., Romanov, K. V., Romanov, V. A., Kucherov, N. V., Eselevich, V. G., Eselevich, M. V.: 2015, Advances in Space Research 55, 949-957. doi:[10.1016/j.asr.2014.09.017](https://doi.org/10.1016/j.asr.2014.09.017).
On the possible reason for the formation of impulsive coronal mass ejections.
- Ruffenach, A., Lavraud, B., Farrugia, C. J., Démoulin, P., Dasso, S., Owens, M. J., Sauvaud, J.-A., Rouillard, A. P., Lynnyk, A., Foullon, C., Savani, N. P., Luhmann, J. G., Galvin, A. B.: 2015, Journal of Geophysical Research (Space Physics) 120, 43-60. doi:[10.1002/2014JA020628](https://doi.org/10.1002/2014JA020628).
Statistical study of magnetic cloud erosion by magnetic reconnection.
- Sachdeva, N., Subramanian, P., Colaninno, R., Vourlidas, A. : 2015, The Astrophysical Journal 809, 158. doi:[10.1088/0004-637X/809/2/158](https://doi.org/10.1088/0004-637X/809/2/158).
CME Propagation: Where does Aerodynamic Drag 'Take Over'?
- Salas-Matamoros, C., Klein, K.-L. : 2015, Solar Physics 290, 1337. doi:[10.1007/s11207-015-0677-0](https://doi.org/10.1007/s11207-015-0677-0).
On the Statistical Relationship Between CME Speed and Soft X-Ray Flux and Fluence of the Associated Flare.
- Savani, N. P., Vourlidas, A., Szabo, A., Mays, M. L., Richardson, I. G., Thompson, B. J., Pulkkinen, A., Evans, R., Nieves-Chinchilla, T. : 2015, Space Weather 13, 374. doi:[10.1002/2015SW001171](https://doi.org/10.1002/2015SW001171).
Predicting the magnetic vectors within coronal mass ejections arriving at Earth: 1. Initial architecture.
- Savcheva, A., Pariat, E., McKillop, S., McCauley, P., Hanson, E., Su, Y., Werner, E., DeLuca, E. E. : 2015, The Astrophysical Journal 810, 96. doi:[10.1088/0004-637X/810/2/96](https://doi.org/10.1088/0004-637X/810/2/96).
The Relation between Solar Eruption Topologies and Observed Flare Features. I. Flare Ribbons.
- Sekanina, Z., Kracht, R.: 2015, The Astrophysical Journal 801, 135. doi:[10.1088/0004-637X/801/2/135](https://doi.org/10.1088/0004-637X/801/2/135).
Strong Erosion-Driven Nongravitational Effects in Orbital Motions of the Kreutz Sungrazing System's Dwarf Comets.
- Sekanina, Z., Kracht, R. : 2015, The Astrophysical Journal 815, 52. doi:[10.1088/0004-637X/815/1/52](https://doi.org/10.1088/0004-637X/815/1/52).
Was Comet C/1945 X1 (DU Toit) a Dwarf, SOHO-like Kreutz Sungrazer?

Share, G. H., Murphy, R. J., Tylka, A. J., Dennis, B. R., Ryan, J. M.: 2015, Journal of Geophysical Research (Space Physics) 120, 1-11. doi:[10.1002/2014JA020663](https://doi.org/10.1002/2014JA020663).

Misidentification of the source of a neutron transient detected by MESSENGER on 4 June 2011.

Shi, T., Wang, Y., Wan, L., Cheng, X., Ding, M., Zhang, J. : 2015, The Astrophysical Journal 806, 271. doi:[10.1088/0004-637X/806/2/271](https://doi.org/10.1088/0004-637X/806/2/271).

Predicting the Arrival Time of Coronal Mass Ejections with the Graduated Cylindrical Shell and Drag Force Model.

Siu-Tapia, A., Blanco-Cano, X., Kajdic, P., Aguilar-Rodriguez, E., Russell, C. T., Jian, L. K., Luhmann, J. G. : 2015, Journal of Geophysical Research (Space Physics) 120, 2363. doi: [10.1002/2014JA020568](https://doi.org/10.1002/2014JA020568).

Low-frequency waves within isolated magnetic clouds and complex structures: STEREO observations.

Slemzin, V. A., Shugai, Y. S.: 2015, Cosmic Research 53, 47-58. doi:[10.1134/S0010952515010074](https://doi.org/10.1134/S0010952515010074).
Identification of coronal sources of the solar wind from solar images in the EUV spectral range.

Song, H. Q., Chen, Y., Zhang, J., Cheng, X., Wang, B., Hu, Q., Li, G., Wang, Y. M. : 2015, The Astrophysical Journal 808, L15. doi:[10.1088/2041-8205/808/1/L15](https://doi.org/10.1088/2041-8205/808/1/L15).

Evidence of the Solar EUV Hot Channel as a Magnetic Flux Rope from Remote-sensing and In Situ Observations.

Song, H. Q., Zhang, J., Chen, Y., Cheng, X., Li, G., Wang, Y. M. : 2015, The Astrophysical Journal 803, 96. doi:[10.1088/0004-637X/803/2/96](https://doi.org/10.1088/0004-637X/803/2/96).

First Taste of Hot Channel in Interplanetary Space.

Su, W., Cheng, X., Ding, M. D., Chen, P. F., Sun, J. Q. : 2015, The Astrophysical Journal 804, 88. doi:[10.1088/0004-637X/804/2/88](https://doi.org/10.1088/0004-637X/804/2/88).

A Type II Radio Burst without a Coronal Mass Ejection.

Su, Y., van Ballegooijen, A., McCauley, P., Ji, H., Reeves, K. K., DeLuca, E. E. : 2015, The Astrophysical Journal 807, 144. doi:[10.1088/0004-637X/807/2/144](https://doi.org/10.1088/0004-637X/807/2/144).

Magnetic Structure and Dynamics of the Erupting Solar Polar Crown Prominence on 2012 March 12.

Sun, J. Q., Cheng, X., Ding, M. D., Guo, Y., Priest, E. R., Parnell, C. E., Edwards, S. J., Zhang, J., Chen, P. F., Fang, C. : 2015, Nature Communications 6, 7598. doi:[10.1038/ncomms8598](https://doi.org/10.1038/ncomms8598).

Extreme ultraviolet imaging of three-dimensional magnetic reconnection in a solar eruption.

Takahashi, T., Asai, A., Shibata, K.: 2015, The Astrophysical Journal 801, 37. doi: [10.1088/0004-637X/801/1/37](https://doi.org/10.1088/0004-637X/801/1/37).

Prominence Activation By Coronal Fast Mode Shock.

Tappin, S. J., Eyles, C. J., Davies, J. A. : 2015, Solar Physics 290, 2143. doi:[10.1007/s11207-015-0737-5](https://doi.org/10.1007/s11207-015-0737-5).

Determination of the Photometric Calibration and Large-Scale Flatfield of the STEREO Heliospheric Imagers: II. HI-2.

Tayal, S. S., Zatsarinny, O. : 2015, The Astrophysical Journal 812, 174. doi:[10.1088/0004-637X/812/2/174](https://doi.org/10.1088/0004-637X/812/2/174).

Thermally Averaged Collision Strengths for Extreme-ultraviolet Line of Fe IX.

- Temmer, M., Nitta, N. V.: 2015, Solar Physics 290, 919-932. doi:[10.1007/s11207-014-0642-3](https://doi.org/10.1007/s11207-014-0642-3).
Interplanetary Propagation Behavior of the Fast Coronal Mass Ejection on 23 July 2012.
- Thejappa, G., MacDowall, R. J. : 2015, Journal of Physics Conference Series 642, 012028. doi:[10.1088/1742-6596/642/1/012028](https://doi.org/10.1088/1742-6596/642/1/012028).
Solar Type III Radio Bursts: Directivity Characteristics.
- Thomas, S. R., Owens, M. J., Lockwood, M., Barnard, L., Scott, C. J.: 2015, The Astrophysical Journal 801, 5. doi:[10.1088/0004-637X/801/1/5](https://doi.org/10.1088/0004-637X/801/1/5).
Near-Earth Cosmic Ray Decreases Associated with Remote Coronal Mass Ejections.
- Thompson, W. T. : 2015, Icarus 261, 122. doi:[10.1016/j.icarus.2015.08.018](https://doi.org/10.1016/j.icarus.2015.08.018).
Linear polarization measurements of Comet C/2011 W3 (Lovejoy) from STEREO.
- Tiwari, S. K., Falconer, D. A., Moore, R. L., Venkatakrishnan, P., Winebarger, A. R., Khazanov, I. G. : 2015, Geophysical Research Letters 42, 5702. doi:[10.1002/2015GL064865](https://doi.org/10.1002/2015GL064865).
Near-Sun speed of CMEs and the magnetic nonpotentiality of their source active regions.
- Tucker-Hood, K., Scott, C., Owens, M., Jackson, D., Barnard, L., Davies, J. A., Crothers, S., Lintott, C., Simpson, R., Savani, N. P., Wilkinson, J., Harder, B., Eriksson, G. M., L Baeten, E. M., Wan Wah, L. L.: 2015, Space Weather 13, 35-48. doi:[10.1002/2014SW001106](https://doi.org/10.1002/2014SW001106).
Validation of a priori CME arrival predictions made using real-time heliospheric imager observations.
- Ugarte-Urra, I., Upton, L., Warren, H. P., Hathaway, D. H. : 2015, The Astrophysical Journal 815, 90. doi:[10.1088/0004-637X/815/2/90](https://doi.org/10.1088/0004-637X/815/2/90).
Magnetic Flux Transport and the Long-term Evolution of Solar Active Regions.
- Vashalomidze, Z., Kukhianidze, V., Zaqrashvili, T. V., Oliver, R., Shergelashvili, B., Ramishvili, G., Poedts, S., De Causmaecker, P. : 2015, Astronomy and Astrophysics 577, A136. doi:[10.1051/0004-6361/201424101](https://doi.org/10.1051/0004-6361/201424101).
Formation and evolution of coronal rain observed by SDO/AIA on February 22, 2012.
- Vech, D., Szego, K., Opitz, A., Kajdic, P., Fraenz, M., Kallio, E., Alho, M. : 2015, Journal of Geophysical Research (Space Physics) 120, 4613. doi:[10.1002/2014JA020782](https://doi.org/10.1002/2014JA020782).
Space weather effects on the bow shock, the magnetic barrier, and the ion composition boundary at Venus.
- Vemareddy, P., Mishra, W. : 2015, The Astrophysical Journal 814, 59. doi:[10.1088/0004-637X/814/1/59](https://doi.org/10.1088/0004-637X/814/1/59).
A Full Study on the Sun-Earth Connection of an Earth-directed CME Magnetic Flux Rope.
- Viall, N. M., Vourlidas, A. : 2015, The Astrophysical Journal 807, 176. doi:[10.1088/0004-637X/807/2/176](https://doi.org/10.1088/0004-637X/807/2/176).
Periodic Density Structures and the Origin of the Slow Solar Wind.
- Volpes, L., Bothmer, V. : 2015, Solar Physics 290, 3005. doi:[10.1007/s11207-015-0775-z](https://doi.org/10.1007/s11207-015-0775-z).
An Application of the Stereoscopic Self-similar-Expansion Model to the Determination of CME-Driven Shock Parameters.
- Vourlidas, A.: 2015, Space Weather 13, 197. doi:[10.1002/2015SW001173](https://doi.org/10.1002/2015SW001173).
Mission to the Sun-Earth L5 Lagrangian Point: An Optimal Platform for Space Weather Research.
- Wallace, Samantha : 2015, Thesis (MS,) Embry-Riddle Aeronautical University. doi:.
Comparing different methods for estimating total open heliospheric magnetic flux.

Wang, R., Liu, Y. D., Dai, X., Yang, Z., Huang, C., Hu, H. : 2015, The Astrophysical Journal 814, 80. doi:[10.1088/0004-637X/814/1/80](https://doi.org/10.1088/0004-637X/814/1/80).

The Role of Active Region Coronal Magnetic Field in Determining Coronal Mass Ejection Propagation Direction.

Wang, Y.-M.: 2015, The Astrophysical Journal 803, L12. doi:[10.1088/2041-8205/803/1/L12](https://doi.org/10.1088/2041-8205/803/1/L12).
Pseudostreamers as the Source of a Separate Class of Solar Coronal Mass Ejections.

Warmuth, A. : 2015, Living Reviews in Solar Physics 12,. doi:[10.1007/lrsp-2015-3](https://doi.org/10.1007/lrsp-2015-3).
Large-scale Globally Propagating Coronal Waves.

Welling, D. T., André, M., Dandouras, I., Delcourt, D., Fazakerley, A., Fontaine, D., Foster, J., Ilie, R., Kistler, L., Lee, J. H., Liemohn, M. W., Slavin, J. A., Wang, C.-P., Wiltberger, M., Yau, A. : 2015, Space Science Reviews 192, 145. doi:[10.1007/s11214-015-0187-2](https://doi.org/10.1007/s11214-015-0187-2).

The Earth: Plasma Sources, Losses, and Transport Processes.

Winslow, R. M., Lugaz, N., Philpott, L. C., Schwadron, N. A., Farrugia, C. J., Anderson, B. J., Smith, C. W. : 2015, Journal of Geophysical Research (Space Physics) 120, 6101. doi:[10.1002/2015JA021200](https://doi.org/10.1002/2015JA021200).

Interplanetary coronal mass ejections from MESSENGER orbital observations at Mercury.

Winter, L. M., Ledbetter, K. : 2015, The Astrophysical Journal 809, 105. doi:[10.1088/0004-637X/809/1/105](https://doi.org/10.1088/0004-637X/809/1/105).

Type II and Type III Radio Bursts and their Correlation with Solar Energetic Proton Events.

Wood, S. R., Malaspina, D. M., Andersson, L., Horanyi, M. : 2015, Journal of Geophysical Research (Space Physics) 120, 7121. doi:[10.1002/2015JA021463](https://doi.org/10.1002/2015JA021463).

Hypervelocity dust impacts on the Wind spacecraft: Correlations between Ulysses and Wind interstellar dust detections.

Xia, Z.-G., Gao, G.-N., Wang, M., Lin, J. : 2015, Chinese Astronomy and Astrophysics 39, 54. doi:[10.1016/j.chinastron.2015.01.006](https://doi.org/10.1016/j.chinastron.2015.01.006).

Prediction of Solar Proton Events and the Radio Type I Noise Storms.

Xiao, J., Zhang, J., Li, T., Yang, S. : 2015, The Astrophysical Journal 805, 25. doi:[10.1088/0004-637X/805/1/25](https://doi.org/10.1088/0004-637X/805/1/25).

Dark Ribbons Propagating and Sweeping Across Extreme Ultraviolet Structures After Filament Eruptions.

Yang, J., Jiang, Y., Xu, Z., Bi, Y., Hong, J. : 2015, The Astrophysical Journal 803, 68. doi:[10.1088/0004-637X/803/2/68](https://doi.org/10.1088/0004-637X/803/2/68).

Interchange Reconnection Forced by the Filament Eruption Inside a Pseudo-streamer.

Yu, H.-S., Jackson, B. V., Hick, P. P., Buffington, A., Odstrcil, D., Wu, C.-C., Davies, J. A., Bisi, M. M., Tokumaru, M. : 2015, Solar Physics 290, 2519. doi:[10.1007/s11207-015-0685-0](https://doi.org/10.1007/s11207-015-0685-0).

3D Reconstruction of Interplanetary Scintillation (IPS) Remote-Sensing Data: Global Solar Wind Boundaries for Driving 3D-MHD Models.

Zaslavsky, A.: 2015, Journal of Geophysical Research (Space Physics) 120, 855-867. doi:[10.1002/2014JA020635](https://doi.org/10.1002/2014JA020635).

Floating potential perturbations due to micrometeoroid impacts: Theory and application to S/WAVES data.

- Zhang, Q. M., Ning, Z. J., Guo, Y., Zhou, T. H., Cheng, X., Ji, H. S., Feng, L., Wiegelmann, T. : 2015, The Astrophysical Journal 805, 4. doi:[10.1088/0004-637X/805/1/4](https://doi.org/10.1088/0004-637X/805/1/4).
Multiwavelength Observations of a Partially Eruptive Filament on 2011 September 8.
- Zhu, C., Liu, R., Alexander, D., Sun, X., McAteer, R. T. J. : 2015, The Astrophysical Journal 813, 60. doi:[10.1088/0004-637X/813/1/60](https://doi.org/10.1088/0004-637X/813/1/60).
Complex Flare Dynamics Initiated by a Filament-Filament Interaction.
- Zic, T., Vrsnak, B., Temmer, M. : 2015, The Astrophysical Journal Supplement Series 218, 32. doi:[10.1088/0067-0049/218/2/32](https://doi.org/10.1088/0067-0049/218/2/32).
Heliospheric Propagation of Coronal Mass Ejections: Drag-based Model Fitting.
- Zimovets, I. V., Nakariakov, V. M. : 2015, Astronomy and Astrophysics 577, A4. doi:[10.1051/0004-6361/201424960](https://doi.org/10.1051/0004-6361/201424960).
Excitation of kink oscillations of coronal loops: statistical study.
- Zimovets, I. V., Sadykov, V. M. : 2015, Advances in Space Research 56, 2811. doi:[10.1016/j.asr.2015.01.041](https://doi.org/10.1016/j.asr.2015.01.041).
Spatially resolved observations of a coronal type II radio burst with multiple lanes.
- Zong, W., Dai, Y. : 2015, The Astrophysical Journal 809, 151. doi:[10.1088/0004-637X/809/2/151](https://doi.org/10.1088/0004-637X/809/2/151).
Coronal and Chromospheric Signatures of Large-scale Disturbances Associated with a Major Solar Eruption.

2014

- Ahn, K., Chae, J., Cho, K.-S., Song, D., Yang, H., Goode, P. R., Cao, W., Park, H., Nah, J., Jang, B.-H., Park, Y.-D.: 2014, Solar Physics 289, 4117-4136. doi:[10.1007/s11207-014-0559-x](https://doi.org/10.1007/s11207-014-0559-x).
Active Region Coronal Rain Event Observed by the Fast Imaging Solar Spectrograph on the NST.
- Aschwanden, M. J., Wuelser, J.-P., Nitta, N. V., Lemen, J. R., Freeland, S., Thompson, W. T.: 2014, Solar Physics 289, 919-938. doi:[10.1007/s11207-013-0378-5](https://doi.org/10.1007/s11207-013-0378-5).
STEREO/ Extreme Ultraviolet Imager (EUVI) Event Catalog 2006 - 2012.
- Attrill, G. D. R., Long, D. M., Green, L. M., Harra, L. K., van Driel-Gesztelyi, L.: 2014, The Astrophysical Journal 796, 55. doi:[10.1088/0004-637X/796/1/55](https://doi.org/10.1088/0004-637X/796/1/55).
Extreme-ultraviolet Observations of Global Coronal Wave Rotation.
- Babu, Arun: 2014, Thesis (PhD) Indian Institute of Science Education and Research, Pune (IISER Pune).
Coronal Mass Ejections from the Sun - Propagation and Near Earth Effects.
- Bain, H. M., Krucker, S., Saint-Hilaire, P., Raftery, C. L.: 2014, The Astrophysical Journal 782, 43. doi:[10.1088/0004-637X/782/1/43](https://doi.org/10.1088/0004-637X/782/1/43).
Radio Imaging of a Type IVM Radio Burst on the 14th of August 2010.

Barnard, L., Scott, C., Owens, M., Lockwood, M., Tucker-Hood, K., Thomas, S., Crothers, S., Davies, J. A., Harrison, R., Lintott, C., Simpson, R., O'Donnell, J., Smith, A. M., Waterson, N., Bamford, S., Romeo, F., Kukula, M., Owens, B., Savani, N., Wilkinson, J., Baeten, E., Poeffel L., Harder B.: 2014, Space Weather 12, 657-674. doi:[10.1002/2014SW001119](https://doi.org/10.1002/2014SW001119).

The Solar Stormwatch CME catalogue: Results from the first space weather citizen science project.

Belheouane, Soraya: 2014, Thesis (PhD), Université Pierre et Marie Curie - Paris VI.

Nanoparticles in the interplanetary medium: spatial observations and theory.

Bi, Y., Jiang, Y., Yang, J., Hong, J., Li, H., Yang, D., Yang, B.: 2014, The Astrophysical Journal 790, 100. doi:[10.1088/0004-637X/790/2/100](https://doi.org/10.1088/0004-637X/790/2/100).

Solar Filament Material Oscillations and Drainage before Eruption.

Bourdin, P.-A., Bingert, S., Peter, H.: 2014, Publications of the Astronomical Society of Japan 66, S7. doi:[10.1093/pasj/psu123](https://doi.org/10.1093/pasj/psu123).

Coronal loops above an active region: Observation versus model.

Bourdin, P.-A., Bingert, S., Peter, H.: 2014, Publications of the Astronomical Society of Japan 113. doi:[10.1093/pasj/psu123](https://doi.org/10.1093/pasj/psu123).

Coronal loops above an active region: Observation versus model.

Braga, Carlos Roberto: 2014, Thesis (PhD), National Institute for Space Research (São José dos Campos, Brazil). doi:

Study of coronal mass ejections and their interplanetary counterparts combining observations of ground cosmic ray detectors and coronagraphs.

Briand, C., Henri, P., Hoang, S.: 2014, Journal of Geophysical Research (Space Physics) 119, 2365-2378. doi:[10.1002/2013JA019688](https://doi.org/10.1002/2013JA019688).

Inhibition of type III radio emissions due to the interaction between two electron beams: Observations and simulations.

Bucík, R., Innes, D. E., Mall, U., Korth, A., Mason, G. M., Gómez-Herrero, R.: 2014, The Astrophysical Journal 786, 71. doi:[10.1088/0004-637X/786/1/71](https://doi.org/10.1088/0004-637X/786/1/71).

Multi-spacecraft Observations of Recurrent ^3He -rich Solar Energetic Particles.

Carlyle, J., Williams, D. R., van Driel-Gesztelyi, L., Innes, D., Hillier, A., Matthews, S.: 2014, The Astrophysical Journal 782, 87. doi:[10.1088/0004-637X/782/2/87](https://doi.org/10.1088/0004-637X/782/2/87).

Investigating the Dynamics and Density Evolution of Returning Plasma Blobs from the 2011 June 7 Eruption.

Chalov, S. V.: 2014, Monthly Notices of the Royal Astronomical Society 443, L25-L28. doi:[10.1093/mnrasl/slu074](https://doi.org/10.1093/mnrasl/slu074).

Helium pickup ion focusing cone as an indicator of the interstellar flow direction.

Chandrashekhar, K., Morton, R. J., Banerjee, D., Gupta, G. R.: 2014, Astronomy and Astrophysics 562, AA98. doi:[10.1051/0004-6361/201322408](https://doi.org/10.1051/0004-6361/201322408).

The dynamical behaviour of a jet in an on-disk coronal hole observed with AIA/SDO.

Chaturvedi, P., Deshpande, R., Dixit, V., Roy, A., Chakraborty, A., Mahadevan, S., Anandaraao, B. G., Hebb, L., Janardhan, P.: 2014, Monthly Notices of the Royal Astronomical Society 442, 3737-3744. doi:[10.1093/mnras/stu1127](https://doi.org/10.1093/mnras/stu1127).

Determination of mass and orbital parameters of a low-mass star HD 213597B.

Chen, B., Bastian, T. S., Gary, D. E.: 2014, *The Astrophysical Journal* 794, 149. doi: [10.1088/0004-637X/794/2/149](https://doi.org/10.1088/0004-637X/794/2/149).

Direct Evidence of an Eruptive, Filament-hosting Magnetic Flux Rope Leading to a Fast Solar Coronal Mass Ejection.

Chen, P. F., Harra, L. K., Fang, C.: 2014, *The Astrophysical Journal* 784, 50. doi: [10.1088/0004-637X/784/1/50](https://doi.org/10.1088/0004-637X/784/1/50).

Imaging and Spectroscopic Observations of a Filament Channel and the Implications for the Nature of Counter-streamings.

Chen, Y., Du, G., Feng, L., Feng, S., Kong, X., Guo, F., Wang, B., Li, G.: 2014, *The Astrophysical Journal* 787, 59. doi: [10.1088/0004-637X/787/1/59](https://doi.org/10.1088/0004-637X/787/1/59).

A Solar Type II Radio Burst from Coronal Mass Ejection-Coronal Ray Interaction: Simultaneous Radio and Extreme Ultraviolet Imaging.

Cheng, X., Ding, M. D., Guo, Y., Zhang, J., Vourlidas, A., Liu, Y. D., Olmedo, O., Sun, J. Q., Li, C.: 2014, *The Astrophysical Journal* 780, 28. doi: [10.1088/0004-637X/780/1/28](https://doi.org/10.1088/0004-637X/780/1/28).

Tracking the Evolution of a Coherent Magnetic Flux Rope Continuously from the Inner to the Outer Corona.

Cheng, X., Ding, M. D., Zhang, J., Sun, X. D., Guo, Y., Wang, Y. M., Kliem, B., Deng, Y. Y.: 2014, *The Astrophysical Journal* 789, 93. doi: [10.1088/0004-637X/789/2/93](https://doi.org/10.1088/0004-637X/789/2/93).

Formation of a Double-decker Magnetic Flux Rope in the Sigmoidal Solar Active Region 11520.

Cohen, C. M. S., Mason, G. M., Mewaldt, R. A., Wiedenbeck, M. E.: 2014, *The Astrophysical Journal* 793, 35. doi: [10.1088/0004-637X/793/1/35](https://doi.org/10.1088/0004-637X/793/1/35).

The Longitudinal Dependence of Heavy-ion Composition in the 2013 April 11 Solar Energetic Particle Event.

Collette, A., Grun, E., Malaspina, D., Sternovsky, Z.: 2014, *Journal of Geophysical Research (Space Physics)* 119, 6019-6026. doi: [10.1002/2014JA020042](https://doi.org/10.1002/2014JA020042).

Micrometeoroid impact charge yield for common spacecraft materials.

Conlon, T. M., Milan, S. E., Davies, J. A.: 2014, *Solar Physics* 289, 3935-3947. doi: [10.1007/s11207-014-0549-z](https://doi.org/10.1007/s11207-014-0549-z).

Assessing the Effect of Spacecraft Motion on Single-Spacecraft Solar Wind Tracking Techniques.

Culhane, J. L., Brooks, D. H., van Driel-Gesztelyi, L., Démoulin, P., Baker, D., DeRosa, M. L., Mandrini, C. H., Zhao, L., Zurbuchen, T. H.: 2014, *Solar Physics* 289, 3799-3816. doi: [10.1007/s11207-014-0551-5](https://doi.org/10.1007/s11207-014-0551-5).

Tracking Solar Active Region Outflow Plasma from Its Source to the Near-Earth Environment.

D'Huys, E., Seaton, D. B., Poedts, S., Berghmans, D.: 2014, *The Astrophysical Journal* 795, 49. doi: [10.1088/0004-637X/795/1/49](https://doi.org/10.1088/0004-637X/795/1/49).

Observational Characteristics of Coronal Mass Ejections without Low-coronal Signatures.

Dai, X., Wang, H., Huang, X., Du, Z., He, H.: 2014, *The Astrophysical Journal* 780, 141. doi: [10.1088/0004-637X/780/2/141](https://doi.org/10.1088/0004-637X/780/2/141).

The Classification of Ambiguity in Polarimetric Reconstruction of Coronal Mass Ejection.

De Moortel, I., McIntosh, S. W., Threlfall, J., Bethge, C., Liu, J.: 2014, The Astrophysical Journal 782, LL34. doi:[10.1088/2041-8205/782/2/L34](https://doi.org/10.1088/2041-8205/782/2/L34).

Potential Evidence for the Onset of Alfvénic Turbulence in Trans-equatorial Coronal Loops.

DeForest, C. E., Howard, T. A., McComas, D. J.: 2014, The Astrophysical Journal 787, 124. doi:[10.1088/0004-637X/787/2/124](https://doi.org/10.1088/0004-637X/787/2/124).

Inbound Waves in the Solar Corona: A Direct Indicator of Alfvén Surface Location.

Delannée, C., Artzner, G., Schmieder, B., Parenti, S.: 2014, Solar Physics 289, 2565-2585. doi:[10.1007/s11207-014-0488-8](https://doi.org/10.1007/s11207-014-0488-8).

Time Evolution of the Altitude of an Observed Coronal Wave.

Dolei, S., Bemporad, A., Spadaro, D.: 2014, Astronomy and Astrophysics 562, AA74. doi:[10.1051/0004-6361/201321041](https://doi.org/10.1051/0004-6361/201321041).

Measurements with STEREO/COR1 data of drag forces acting on small-scale blobs falling in the intermediate corona.

Dolei, S., Romano, P., Spadaro, D., Ventura, R.: 2014, Astronomy and Astrophysics 567, AA9. doi:[10.1051/0004-6361/201423449](https://doi.org/10.1051/0004-6361/201423449).

Stereoscopic observations of the effects of a halo CME on the solar coronal structure.

Dresing, N., Cohen, C. M. S., Gómez-Herrero, R., Heber, B., Klassen, A., Leske, R. A., Mason, G. M., Mewaldt, R. A., von Rosenvinge, T. T.: 2014, Brazilian Journal of Physics 44, 504-511. doi:[10.1007/s13538-014-0227-5](https://doi.org/10.1007/s13538-014-0227-5).

Approaching Solar Maximum 24 with STEREO---Multipoint Observations of Solar Energetic Particle Events.

Dresing, N., Gómez-Herrero, R., Heber, B., Klassen, A., Malandraki, O., Dröge, W., Kartavykh, Y.: 2014, Astronomy and Astrophysics 567, AA27. doi:[10.1051/0004-6361/201423789](https://doi.org/10.1051/0004-6361/201423789).

Statistical survey of widely spread out solar electron events observed with STEREO and ACE with special attention to anisotropies.

Droge, W., Kartavykh, Y. Y., Dresing, N., Heber, B., Klassen, A.: 2014, Journal of Geophysical Research (Space Physics) 119, 6074-6094. doi:[10.1002/2014JA019933](https://doi.org/10.1002/2014JA019933).

Wide longitudinal distribution of interplanetary electrons following the 7 February 2010 solar event: Observations and transport modeling.

Dudík, J., Janvier, M., Aulanier, G., Del Zanna, G., Karlický, M., Mason, H. E., Schmieder, B.: 2014, The Astrophysical Journal 784, 144. doi:[10.1088/0004-637X/784/2/144](https://doi.org/10.1088/0004-637X/784/2/144).

Slipping Magnetic Reconnection during an X-class Solar Flare Observed by SDO/AIA.

Erdos, G., Balogh, A.: 2014, The Astrophysical Journal 781, 50. doi:[10.1088/0004-637X/781/1/50](https://doi.org/10.1088/0004-637X/781/1/50).

Magnetic Flux Density in the Heliosphere through Several Solar Cycles.

Filippov, B.: 2014, Monthly Notices of the Royal Astronomical Society 442, 2892-2900. doi:[10.1093/mnras/stu1021](https://doi.org/10.1093/mnras/stu1021).

A filament eruption with an apparent reshuffle of endpoints.

Freed, A. J., Russell, C. T.: 2014, Geophysical Research Letters 41, 6590-6594. doi:[10.1002/2014GL061353](https://doi.org/10.1002/2014GL061353).

Travel time classification of extreme solar events: Two families and an outlier.

Gopalswamy, N., Xie, H., Akiyama, S., Mäkelä, P. A., Yashiro, S.: 2014, Earth, Planets, and Space 66, 104. doi:[10.1186/1880-5981-66-104](https://doi.org/10.1186/1880-5981-66-104).

Major solar eruptions and high-energy particle events during solar cycle 24.

Graham, D. B., Cairns, I. H.: 2014, Journal of Geophysical Research (Space Physics) 119, 2430-2457. doi:[10.1002/2013JA019425](https://doi.org/10.1002/2013JA019425).

Dynamical evidence for nonlinear Langmuir wave processes in type III solar radio bursts.

Graham, D. B., Cairns, I. H., Malaspina, D. M.: 2014, Journal of Geophysical Research (Space Physics) 119, 723-741. doi:[10.1002/2013JA019317](https://doi.org/10.1002/2013JA019317).

Harmonic waves and sheath rectification in type III solar radio bursts.

Graham, D. B., Malaspina, D. M., Cairns, I. H.: 2014, Geophysical Research Letters 41, 1367-1374. doi:[10.1002/2014GL059565](https://doi.org/10.1002/2014GL059565).

Applying bicoherence analysis to spacecraft observations of Langmuir waves.

Guo, Lijia : 2014, Thesis (PhD,) University of New Hampshire.

Plasma Instabilities in Large Scale Magnetic Reconnection Associated with Eruptive Solar Coronal Events.

Hanaoka, Y., Nakazawa, J., Ohgoe, O., Sakai, Y., Shiota, K.: 2014, Solar Physics 289, 2587-2599. doi:[10.1007/s11207-014-0476-z](https://doi.org/10.1007/s11207-014-0476-z).

Coronal Mass Ejections Observed at the Total Solar Eclipse on 13 November 2012.

Hariharan, K., Ramesh, R., Kishore, P., Kathiravan, C., Gopalswamy, N.: 2014, The Astrophysical Journal 795, 14. doi:[10.1088/0004-637X/795/1/14](https://doi.org/10.1088/0004-637X/795/1/14).

An Estimate of the Coronal Magnetic Field near a Solar Coronal Mass Ejection from Low-frequency Radio Observations.

Harrison, R. A., Davies, J. A. : 2014, Weather 69, 246. doi:[10.1002/wea.2354](https://doi.org/10.1002/wea.2354).

Demonstrating the power of heliospheric imaging for space weather: tracking solar ejecta from Sun to Earth.

Harrison, R. A., Davies, J. A.: 2014, Weather 69, 246-249. doi:[10.1002/wea.2354](https://doi.org/10.1002/wea.2354).

Demonstrating the power of heliospheric imaging for space weather: tracking solar ejecta from Sun to Earth.

Hess, P., Zhang, J.: 2014, The Astrophysical Journal 792, 49. doi:[10.1088/0004-637X/792/1/49](https://doi.org/10.1088/0004-637X/792/1/49).

Stereoscopic Study of the Kinematic Evolution of a Coronal Mass Ejection and Its Driven Shock from the Sun to the Earth and the Prediction of Their Arrival Times.

Holdsworth, D. L., Rushton, M. T., Bewsher, D., Walter, F. M., Eyres, S. P. S., Hounsell, R., Darnley, M. J.: 2014, Monthly Notices of the Royal Astronomical Society 438, 3483-3489. doi:[10.1093/mnras/stt2455](https://doi.org/10.1093/mnras/stt2455).

STEREO/HI and optical observations of the classical nova V5583 Sagittarii.

Howard, T. A., DeForest, C. E.: 2014, The Astrophysical Journal 796, 33. doi:[10.1088/0004-637X/796/1/33](https://doi.org/10.1088/0004-637X/796/1/33).

The Formation and Launch of a Coronal Mass Ejection Flux Rope: A Narrative Based on Observations.

Hu, Q., Qiu, J., Dasgupta, B., Khare, A., Webb, G. M.: 2014, *The Astrophysical Journal* 793, 53. doi:[10.1088/0004-637X/793/1/53](https://doi.org/10.1088/0004-637X/793/1/53).

Structures of Interplanetary Magnetic Flux Ropes and Comparison with Their Solar Sources.

Huang, Z., Madjarska, M. S., Koleva, K., Doyle, J. G., Duchlev, P., Dechev, M., Reardon, K.: 2014, *Astronomy and Astrophysics* 566, AA148. doi:[10.1051/0004-6361/201323097](https://doi.org/10.1051/0004-6361/201323097).

Halpha spectroscopy and multiwavelength imaging of a solar flare caused by filament eruption.

Isavnin, A., Vourlidas, A., Kilpua, E. K. J.: 2014, *Solar Physics* 289, 2141-2156. doi:[10.1007/s11207-013-0468-4](https://doi.org/10.1007/s11207-013-0468-4).

Three-Dimensional Evolution of Flux-Rope CMEs and Its Relation to the Local Orientation of the Heliospheric Current Sheet.

Iwai, K., Shibasaki, K., Nozawa, S., Takahashi, T., Sawada, S., Kitagawa, J., Miyawaki, S., Kashiwagi, H.: 2014, *Earth, Planets, and Space* 66, 149. doi:[10.1186/s40623-014-0149-z](https://doi.org/10.1186/s40623-014-0149-z).

Coronal magnetic field and the plasma beta determined from radio and multiple satellite observations.

Jackson, B. V., Yu, H.-S., Buffington, A., Hick, P. P.: 2014, *The Astrophysical Journal* 793, 54. doi:[10.1088/0004-637X/793/1/54](https://doi.org/10.1088/0004-637X/793/1/54).

The Dynamic Character of the Polar Solar Wind.

Janvier, M., Démoulin, P., Dasso, S.: 2014, *Solar Physics* 289, 2633-2652. doi:[10.1007/s11207-014-0486-x](https://doi.org/10.1007/s11207-014-0486-x).

Are There Different Populations of Flux Ropes in the Solar Wind?

Janvier, M., Démoulin, P., Dasso, S.: 2014, *Astronomy and Astrophysics* 565, AA99. doi:[10.1051/0004-6361/201423450](https://doi.org/10.1051/0004-6361/201423450).

Mean shape of interplanetary shocks deduced from in situ observations and its relation with interplanetary CMEs.

Jian, L. K., Wei, H. Y., Russell, C. T., Luhmann, J. G., Klecker, B., Omidi, N., Isenberg, P. A., Goldstein, M. L., Figueroa-Viñas, A., Blanco-Cano, X.: 2014, *The Astrophysical Journal* 786, 123. doi:[10.1088/0004-637X/786/2/123](https://doi.org/10.1088/0004-637X/786/2/123).

Electromagnetic Waves near the Proton Cyclotron Frequency: STEREO Observations.

Jiang, C., Wu, S. T., Feng, X., Hu, Q.: 2014, *The Astrophysical Journal* 786, LL16. doi:[10.1088/2041-8205/786/2/L16](https://doi.org/10.1088/2041-8205/786/2/L16).

Nonlinear Force-free Field Extrapolation of a Coronal Magnetic Flux Rope Supporting a Large-scale Solar Filament from a Photospheric Vector Magnetogram.

Joshi, N. C., Srivastava, A. K., Filippov, B., Kayshap, P., Uddin, W., Chandra, R., Prasad Choudhary, D., Dwivedi, B. N.: 2014, *The Astrophysical Journal* 787, 11. doi:[10.1088/0004-637X/787/1/11](https://doi.org/10.1088/0004-637X/787/1/11).

Confined Partial Filament Eruption and its Reformation within a Stable Magnetic Flux Rope.

Kajdic, P., Lavraud, B., Zaslavsky, A., Blanco-Cano, X., Sauvaud, J.-A., Opitz, A., Jian, L. K., Maksimovic, M., Luhmann, J. G.: 2014, *Journal of Geophysical Research (Space Physics)* 119, 7038-7060. doi:[10.1002/2014JA020212](https://doi.org/10.1002/2014JA020212).

Ninety Degrees Pitch Angle Enhancements of Suprathermal Electrons Associated with Interplanetary Shocks.

Kilpua, E. K. J., Luhmann, J. G., Jian, L. K., Russell, C. T., Li, Y.: 2014, Journal of Atmospheric and Solar-Terrestrial Physics 107, 12-19. doi:[10.1016/j.jastp.2013.11.001](https://doi.org/10.1016/j.jastp.2013.11.001).

Why have geomagnetic storms been so weak during the recent solar minimum and the rising phase of cycle 24?

Kilpua, E. K. J., Mierla, M., Zhukov, A. N., Rodriguez, L., Vourlidas, A., Wood, B.: 2014, Solar Physics 289, 3773-3797. doi:[10.1007/s11207-014-0552-4](https://doi.org/10.1007/s11207-014-0552-4).

Solar Sources of Interplanetary Coronal Mass Ejections During the Solar Cycle 23/24 Minimum.

Kim, Tae : 2014, Ph.D. Thesis, University of Alabama in Huntsville). doi:

Modeling the solar wind outflow using boundary conditions from interplanetary scintillation observations.

Knight, M. M., Battams, K.: 2014, The Astrophysical Journal 782, LL37. doi:[10.1088/2041-8205/782/2/L37](https://doi.org/10.1088/2041-8205/782/2/L37).

Preliminary Analysis of SOHO/STEREO Observations of Sungrazing Comet ISON (C/2012 S1) around Perihelion.

Ko, Y.-K., Muglach, K., Wang, Y.-M., Young, P. R., Lepri, S. T.: 2014, The Astrophysical Journal 787, 121. doi:[10.1088/0004-637X/787/2/121](https://doi.org/10.1088/0004-637X/787/2/121).

Temporal Evolution of Solar Wind Ion Composition and their Source Coronal Holes during the Declining Phase of Cycle 23. I. Low-latitude Extension of Polar Coronal Holes.

Krafft, C., Volokitin, A. S., Krasnoselskikh, V. V., de Wit, T. D.: 2014, Journal of Geophysical Research (Space Physics) 119, 9369-9382. doi:[10.1002/2014JA020329](https://doi.org/10.1002/2014JA020329).

Waveforms of Langmuir turbulence in inhomogeneous solar wind plasmas.

Kramar, M., Airapetian, V., Mikic, Z., Davila, J.: 2014, Solar Physics 289, 2927-2944. doi:[10.1007/s11207-014-0525-7](https://doi.org/10.1007/s11207-014-0525-7).

3D Coronal Density Reconstruction and Retrieving the Magnetic Field Structure during Solar Minimum.

Krucker, S., Battaglia, M.: 2014, The Astrophysical Journal 780, 107. doi:[10.1088/0004-637X/780/1/107](https://doi.org/10.1088/0004-637X/780/1/107).

Particle Densities within the Acceleration Region of a Solar Flare.

Krupar, V., Maksimovic, M., Santolik, O., Cecconi, B., Kruparova, O.: 2014, Solar Physics 289, 4633-4652. doi:[10.1007/s11207-014-0601-z](https://doi.org/10.1007/s11207-014-0601-z).

Statistical Survey of Type III Radio Bursts at Long Wavelengths Observed by the Solar TErrestrial RElations Observatory (STEREO)/ Waves Instruments: Goniopolarimetric Properties and Radio Source Locations.

Krupar, V., Maksimovic, M., Santolik, O., Kontar, E. P., Cecconi, B., Hoang, S., Kruparova, O., Soucek, J., Reid, H., Zaslavsky, A.: 2014, Solar Physics 289, 3121-3135. doi:[10.1007/s11207-014-0522-x](https://doi.org/10.1007/s11207-014-0522-x).

Statistical Survey of Type III Radio Bursts at Long Wavelengths Observed by the Solar TErrestrial RElations Observatory (STEREO)/ Waves Instruments: Radio Flux Density Variations with Frequency.

Kucera, T. A., Gilbert, H. R., Karpen, J. T.: 2014, The Astrophysical Journal 790, 68. doi:[10.1088/0004-637X/790/1/68](https://doi.org/10.1088/0004-637X/790/1/68).

Mass Flows in a Prominence Spine as Observed in EUV.

Kwon, R.-Y., Zhang, J., Olmedo, O.: 2014, *The Astrophysical Journal* 794, 148. doi: [10.1088/0004-637X/794/2/148](https://doi.org/10.1088/0004-637X/794/2/148).

New Insights into the Physical Nature of Coronal Mass Ejections and Associated Shock Waves within the Framework of the Three-dimensional Structure.

Lai, Hairong: 2014, Ph.D. Thesis, University of California, Los Angeles.

Interplanetary Field Enhancements: The Interaction between Solar Wind and Interplanetary Dusty Plasma Released by Interplanetary Collisions.

Lallement, R., Bertaux, J. L.: 2014, *Astronomy and Astrophysics* 565, AA41. doi: [10.1051/0004-6361/201323216](https://doi.org/10.1051/0004-6361/201323216).

On the decades-long stability of the interstellar wind through the solar system.

Landi, E., Miralles, M. P.: 2014, *The Astrophysical Journal* 780, LL7. doi: [10.1088/2041-8205/780/1/L7](https://doi.org/10.1088/2041-8205/780/1/L7).

Density Diagnostics of Coronal Mass Ejection Cores with the Solar Dynamics Observatory/Atmospheric Imaging Assembly.

Lario, D., Raouafi, N. E., Kwon, R.-Y., Zhang, J., Gómez-Herrero, R., Dresing, N., Riley, P.: 2014, *The Astrophysical Journal* 797, 8. doi: [10.1088/0004-637X/797/1/8](https://doi.org/10.1088/0004-637X/797/1/8).

The Solar Energetic Particle Event on 2013 April 11: An Investigation of its Solar Origin and Longitudinal Spread.

Li, Y., Luhmann, J. G., Lynch, B. J., Kilpua, E. K. J.: 2014, *Journal of Geophysical Research (Space Physics)* 119, 3237-3246. doi: [10.1002/2013JA019538](https://doi.org/10.1002/2013JA019538).

Magnetic clouds and origins in STEREO era.

Liewer, P. C., González Hernández, I., Hall, J. R., Lindsey, C., Lin, X.: 2014, *Solar Physics* 289, 3617-3640. doi: [10.1007/s11207-014-0542-6](https://doi.org/10.1007/s11207-014-0542-6).

Testing the Reliability of Predictions of Far-Side Active Regions from Helioseismology Using STEREO Far-Side Observations of Solar Activity.

Liou, K., Wu, C.-C., Dryer, M., Wu, S.-T., Rich, N., Plunkett, S., Simpson, L., Fry, C. D., Schenk, K.: 2014, *Journal of Atmospheric and Solar-Terrestrial Physics* 121, 32-41. doi: [10.1016/j.jastp.2014.09.013](https://doi.org/10.1016/j.jastp.2014.09.013).

Global simulation of extremely fast coronal mass ejection on 23 July 2012.

Liu, J., Wang, Y., Liu, R., Zhang, Q., Liu, K., Shen, C., Wang, S.: 2014, *The Astrophysical Journal* 782, 94. doi: [10.1088/0004-637X/782/2/94](https://doi.org/10.1088/0004-637X/782/2/94).

When and how does a Prominence-like Jet Gain Kinetic Energy?

Liu, R., Titov, V. S., Gou, T., Wang, Y., Liu, K., Wang, H.: 2014, *The Astrophysical Journal* 790, 8. doi: [10.1088/0004-637X/790/1/8](https://doi.org/10.1088/0004-637X/790/1/8).

An Unorthodox X-Class Long-duration Confined Flare.

Liu, R., Wang, Y., Shen, C.: 2014, *The Astrophysical Journal* 797, 37. doi: [10.1088/0004-637X/797/1/37](https://doi.org/10.1088/0004-637X/797/1/37).

Early Evolution of an Energetic Coronal Mass Ejection and its Relation to EUV Waves.

Liu, W., Ofman, L.: 2014, *Solar Physics* 289, 3233-3277. doi: [10.1007/s11207-014-0528-4](https://doi.org/10.1007/s11207-014-0528-4).

Advances in Observing Various Coronal EUV Waves in the SDO Era and Their Seismological Applications (Invited Review).

Liu, Y. C.-M., J. Huang, C. Wang, B. Klecker, A. B. Galvin, K.D.C. Simunac, M. A. Popecki, L. Kistler, C. Farrugua, M. A. Lee, A. Opitz, J. G. Luhmann, and L. Jian: 2014, *J. Geophys. Res.*, 119, 8721-8732. doi:[10.1002/2014JA019956](https://doi.org/10.1002/2014JA019956).

A statistical Analysis of Heliospheric Plasma Sheet, Heliospheric Current Sheet and Sector Boundary Observed in situ by STEREO.

Liu, Y. D., Luhmann, J. G., Kajdic, P., Kilpua, E. K. J., Lugaz, N., Nitta, N. V., Möstll, C., Lavraud, B., Bale, S. D., Farrugia, C. J., Galvin, A. B.: 2014, *Nature Communications* 5, 3481. doi:[10.1038/ncomms4481](https://doi.org/10.1038/ncomms4481).

Observations of an extreme storm in interplanetary space caused by successive coronal mass ejections.

Liu, Y. D., Richardson, J. D., Wang, C., Luhmann, J. G.: 2014, *The Astrophysical Journal* 788, LL28. doi:[10.1088/2041-8205/788/2/L28](https://doi.org/10.1088/2041-8205/788/2/L28).

Propagation of the 2012 March Coronal Mass Ejections from the Sun to Heliopause.

Liu, Y. D., Yang, Z., Wang, R., Luhmann, J. G., Richardson, J. D., Lugaz, N.: 2014, *The Astrophysical Journal* 793, LL41. doi:[10.1088/2041-8205/793/2/L41](https://doi.org/10.1088/2041-8205/793/2/L41).

Sun-to-Earth Characteristics of Two Coronal Mass Ejections Interacting Near 1 AU: Formation of a Complex Ejecta and Generation of a Two-step Geomagnetic Storm.

Lobzin, V. V., Cairns, I. H., Zaslavsky, A.: 2014, *Journal of Geophysical Research (Space Physics)* 119, 742-750. doi:[10.1002/2013JA019008](https://doi.org/10.1002/2013JA019008).

Automatic recognition of type III solar radio bursts in STEREO/WAVES data for onboard real-time and archived data processing.

Lowder, C., Qiu, J., Leamon, R., Liu, Y.: 2014, *The Astrophysical Journal* 783, 142. doi:[10.1088/0004-637X/783/2/142](https://doi.org/10.1088/0004-637X/783/2/142).

Measurements of EUV Coronal Holes and Open Magnetic Flux.

Magdalenic, J., Marqué, C., Krupar, V., Mierla, M., Zhukov, A. N., Rodriguez, L., Maksimović, M., Cecconi, B.: 2014, *The Astrophysical Journal* 791, 115. doi:[10.1088/0004-637X/791/2/115](https://doi.org/10.1088/0004-637X/791/2/115).
Tracking the CME-driven Shock Wave on 2012 March 5 and Radio Triangulation of Associated Radio Emission.

Malaspina, D. M., Horanyi, M., Zaslavsky, A., Goetz, K., Wilson, L. B., Kersten, K.: 2014, *Geophysical Research Letters* 41, 266-272. doi:[10.1002/2013GL058786](https://doi.org/10.1002/2013GL058786).

Interplanetary and interstellar dust observed by the Wind/WAVES electric field instrument.

Mann, I., Meyer-Vernet, N., Czechowski, A.: 2014, *Physics Reports* 536, 1-39. doi:[10.1016/j.physrep.2013.11.001](https://doi.org/10.1016/j.physrep.2013.11.001).

Dust in the planetary system: Dust interactions in space plasmas of the solar system.

Mason, J. P., Woods, T. N., Caspi, A., Thompson, B. J., Hock, R. A.: 2014, *The Astrophysical Journal* 789, 61. doi:[10.1088/0004-637X/789/1/61](https://doi.org/10.1088/0004-637X/789/1/61).

Mechanisms and Observations of Coronal Dimming for the 2010 August 7 Event.

Melnik, V. N., Brazhenko, A. I., Konovalenko, A. A., Rucker, H. O., Frantsuzenko, A. V., Dorovskyy, V. V., Panchenko, M., Stanislavskyy, A. A.: 2014, *Solar Physics* 289, 263-278. doi:[10.1007/s11207-013-0328-2](https://doi.org/10.1007/s11207-013-0328-2).

Unusual Solar Radio Burst Observed at Decameter Wavelengths.

Meyer-Vernet, N., Moncuquet, M., Issautier, K., Lecacheux, A.: 2014, Geophysical Research Letters 41, 2716-2720. doi:[10.1002/2014GL059988](https://doi.org/10.1002/2014GL059988).

The importance of monopole antennas for dust observations: Why Wind/WAVES does not detect nanodust.

Mishra, W., Srivastava, N.: 2014, The Astrophysical Journal 794, 64. doi:[10.1088/0004-637X/794/1/64](https://doi.org/10.1088/0004-637X/794/1/64).

Morphological and Kinematic Evolution of Three Interacting Coronal Mass Ejections of 2011 February 13-15.

Mishra, W., Srivastava, N., Davies, J. A.: 2014, The Astrophysical Journal 784, 135. doi:[10.1088/0004-637X/784/2/135](https://doi.org/10.1088/0004-637X/784/2/135).

A Comparison of Reconstruction Methods for the Estimation of Coronal Mass Ejections Kinematics Based on SECCHI/HI Observations.

Muhr, N., Veronig, A. M., Kienreich, I. W., Vrsnak, B., Temmer, M., Bein, B. M.: 2014, Solar Physics 289, 4563-4588. doi:[10.1007/s11207-014-0594-7](https://doi.org/10.1007/s11207-014-0594-7).

Statistical Analysis of Large-Scale EUV Waves Observed by STEREO/EUVI.

Möstll, C., Amla, K., Hall, J. R., Liewer, P. C., De Jong, E. M., Colaninno, R. C., Veronig, A. M., Rollett, T., Temmer, M., Peinhart, V., Davies, J. A., Lugaz, N., Liu, Y. D., Farrugia, C. J., Luhmann, J. G., Vrsnak, B., Harrison, R. A., Galvin, A. B.: 2014, The Astrophysical Journal 787, 119. doi:[10.1088/0004-637X/787/2/119](https://doi.org/10.1088/0004-637X/787/2/119).

Connecting Speeds, Directions and Arrival Times of 22 Coronal Mass Ejections from the Sun to 1 AU.

Nicewicz, J., Michalek, G.: 2014, Advances in Space Research 54, 780-787. doi:[10.1016/j.asr.2014.04.016](https://doi.org/10.1016/j.asr.2014.04.016).

Testing the asymmetric cone model for halo CMEs using STEREO/SECCHI coronagraphic observations.

Nisticò, G., Anfinogentov, S., Nakariakov, V. M.: 2014, Astronomy and Astrophysics 570, AA84. doi:[10.1051/0004-6361/201423970](https://doi.org/10.1051/0004-6361/201423970).

Dynamics of a multi-thermal loop in the solar corona.

Nitta, N. V., Aschwanden, M. J., Freeland, S. L., Lemen, J. R., Wuelser, J.-P., Zarro, D. M.: 2014, Solar Physics 289, 1257-1277. doi:[10.1007/s11207-013-0388-3](https://doi.org/10.1007/s11207-013-0388-3).

The Association of Solar Flares with Coronal Mass Ejections During the Extended Solar Minimum.

Nitta, N. V., Liu, W., Gopalswamy, N., Yashiro, S.: 2014, Solar Physics 289, 4589-4606. doi:[10.1007/s11207-014-0602-y](https://doi.org/10.1007/s11207-014-0602-y).

The Relation Between Large-Scale Coronal Propagating Fronts and Type II Radio Bursts.

O'Brien, L., Auer, S., Gemer, A., Grün, E., Horanyi, M., Juhasz, A., Kempf, S., Malaspina, D., Mocker, A., Möbius, E., Srama, R., Sternovsky, Z.: 2014, Review of Scientific Instruments 85, 035113. doi:[10.1063/1.4868506](https://doi.org/10.1063/1.4868506).

Development of the nano-dust analyzer (NDA) for detection and compositional analysis of nanometer-size dust particles originating in the inner heliosphere.

Omidi, N., Isenberg, P., Russell, C. T., Jian, L. K., Wei, H. Y.: 2014, Journal of Geophysical Research (Space Physics) 119, 1442-1454. doi:[10.1002/2013JA019474](https://doi.org/10.1002/2013JA019474).

Generation of ion cyclotron waves in the corona and solar wind.

Opitz, A., Sauvaud, J.-A., Klassen, A., Gómez-Herrero, R., Bucik, R., Kistler, L. M., Jacquay, C., Luhmann, J., Mason, G., Kajdic, P., Lavraud, B.: 2014, Journal of Geophysical Research (Space Physics) 119, 6342-6355. doi:[10.1002/2014JA019988](https://doi.org/10.1002/2014JA019988).

Solar wind control of the terrestrial magnetotail as seen by STEREO.

Orozco Suárez, D., Asensio Ramos, A., Trujillo Bueno, J.: 2014, Astronomy and Astrophysics 566, AA46. doi:[10.1051/0004-6361/201322903](https://doi.org/10.1051/0004-6361/201322903).

The magnetic field configuration of a solar prominence inferred from spectropolarimetric observations in the He I 10 830 Å triplet.

Orozco Suárez, D., Díaz, A. J., Asensio Ramos, A., Trujillo Bueno, J.: 2014, The Astrophysical Journal 785, LL10. doi:[10.1088/2041-8205/785/1/L10](https://doi.org/10.1088/2041-8205/785/1/L10).

Time Evolution of Plasma Parameters during the Rise of a Solar Prominence Instability.

Osman, K. T., Kiyani, K. H., Chapman, S. C., Hnat, B.: 2014, The Astrophysical Journal 783, LL27. doi:[10.1088/2041-8205/783/2/L27](https://doi.org/10.1088/2041-8205/783/2/L27).

Anisotropic Intermittency of Magnetohydrodynamic Turbulence.

Panasenco, O., Martin, S. F., Velli, M.: 2014, Solar Physics 289, 603-622. doi:[10.1007/s11207-013-0337-1](https://doi.org/10.1007/s11207-013-0337-1).

Apparent Solar Tornado-Like Prominences.

Panchenko, M., Macher, W., Rucker, H. O., Fischer, G., Oswald, T. H., Cecconi, B., Maksimovic, M.: 2014, Radio Science 49, 146-156. doi:[10.1002/2013RS005197](https://doi.org/10.1002/2013RS005197).

In-flight calibration of STEREO-B/WAVES antenna system.

Panesar, N. K.: 2014, Ph.D. Thesis Universitätsverlag Göttingen.
A Study of quiescent prominences using SDO and STEREO data.

Panesar, N. K., Innes, D. E., Schmit, D. J., Tiwari, S. K.: 2014, Solar Physics 289, 2971-2991. doi:[10.1007/s11207-014-0504-z](https://doi.org/10.1007/s11207-014-0504-z).

On the Structure and Evolution of a Polar Crown Prominence/Filament System.

Papaioannou, A., Malandraki, O. E., Dresing, N., Heber, B., Klein, K.-L., Vainio, R., Rodriguez-Gasén, R., Klassen, A., Nindos, A., Heynderickx, D., Mewaldt, R. A., Gómez-Herrero, R., Vilmer, N., Kouloumvakos, A., Tziotziou, K., Tsiropoulou, G.: 2014, Astronomy and Astrophysics 569, AA96. doi:[10.1051/0004-6361/201323336](https://doi.org/10.1051/0004-6361/201323336).

SEPServer catalogues of solar energetic particle events at 1 AU based on STEREO recordings: 2007-2012.

Peinhart, Vanessa Eva: 2014, Thesis (MSc), Univ. of Graz.

Quantitative Comparison of Two Software Tools for Tracking CMEs in the Heliosphere.

Plainaki, C., Mavromichalaki, H., Laurenza, M., Gerontidou, M., Kanellakopoulos, A., Storini, M.: 2014, The Astrophysical Journal 785, 160. doi:[10.1088/0004-637X/785/2/160](https://doi.org/10.1088/0004-637X/785/2/160).

The Ground-level Enhancement of 2012 May 17: Derivation of Solar Proton Event Properties through the Application of the NMBANGLE PPOLA Model.

Porfir'eva, G. A., Yakunina, G. V.: 2014, Sun and Geosphere 8, 77-81.

On Fine Structure in Solar Flares from SDO, RHESSI and TRACE Observations.

Prise, A. J., Harra, L. K., Matthews, S. A., Long, D. M., Aylward, A. D.: 2014, Solar Physics 289, 1731-1744. doi:[10.1007/s11207-013-0435-0](https://doi.org/10.1007/s11207-013-0435-0).

An Investigation of the CME of 3 November 2011 and Its Associated Widespread Solar Energetic Particle Event.

Rachmeler, L. A., Platten, S. J., Bethge, C., Seaton, D. B., Yeates, A. R.: 2014, The Astrophysical Journal 787, LL3. doi:[10.1088/2041-8205/787/1/L3](https://doi.org/10.1088/2041-8205/787/1/L3).

Observations of a Hybrid Double-streamer/Pseudostreamer in the Solar Corona.

Richardson, I. G., von Rosenvinge, T. T., Cane, H. V., Christian, E. R., Cohen, C. M. S., Labrador, A. W., Leske, R. A., Mewaldt, R. A., Wiedenbeck, M. E., Stone, E. C.: 2014, Solar Physics 289, 3059-3107. doi:[10.1007/s11207-014-0524-8](https://doi.org/10.1007/s11207-014-0524-8).

> 25 MeV Proton Events Observed by the High Energy Telescopes on the STEREO A and B Spacecraft and/or at Earth During the First ~ Seven Years of the STEREO Mission.

Rollett, T., Möstll, C., Temmer, M., Frahm, R. A., Davies, J. A., Veronig, A. M., Vrsnak, B., Amerstorfer, U. V., Farrugia, C. J., Zic, T., Zhang, T. L.: 2014, The Astrophysical Journal 790, LL6. doi:[10.1088/2041-8205/790/1/L6](https://doi.org/10.1088/2041-8205/790/1/L6).

Combined Multipoint Remote and in situ Observations of the Asymmetric Evolution of a Fast Solar Coronal Mass Ejection.

Rollett, Tanja: 2014, Thesis (PhD), Univ. of Graz. doi:.

Evolution of Coronal Mass Ejections and Their Heliospheric Imprints.

Ruan, G., Chen, Y., Wang, S., Zhang, H., Li, G., Jing, J., Su, J., Li, X., Xu, H., Du, G., Wang, H.: 2014, The Astrophysical Journal 784, 165. doi:[10.1088/0004-637X/784/2/165](https://doi.org/10.1088/0004-637X/784/2/165).

A Solar Eruption Driven by Rapid Sunspot Rotation.

Sasikumar Raja, K., Ramesh, R., Hariharan, K., Kathiravan, C., Wang, T. J.: 2014, The Astrophysical Journal 796, 56. doi:[10.1088/0004-637X/796/1/56](https://doi.org/10.1088/0004-637X/796/1/56).

An Estimate of the Magnetic Field Strength Associated with a Solar Coronal Mass Ejection from Low Frequency Radio Observations.

Savcheva, A. S., McKillop, S. C., McCauley, P. I., Hanson, E. M., DeLuca, E. E.: 2014, Solar Physics 289, 3297-3311. doi:[10.1007/s11207-013-0469-3](https://doi.org/10.1007/s11207-013-0469-3).

A New Sigmoid Catalog from Hinode and the Solar Dynamics Observatory: Statistical Properties and Evolutionary Histories.

Schippers, P., Meyer-Vernet, N., Lecacheux, A., Kurth, W. S., Mitchell, D. G., Andričić, N.: 2014, Geophysical Research Letters 41, 5382-5388. doi:[10.1002/2014GL060566](https://doi.org/10.1002/2014GL060566).

Nanodust detection near 1 AU from spectral analysis of Cassini/Radio and Plasma Wave Science data.

Schmidt, J. M., Cairns, I. H.: 2014, Journal of Geophysical Research (Space Physics) 119, 69-87. doi:[10.1002/2013JA019349](https://doi.org/10.1002/2013JA019349).

Type II solar radio bursts predicted by 3-D MHD CME and kinetic radio emission simulations.

Schmidt, J. M., Cairns, I. H., Lobzin, V. V.: 2014, Journal of Geophysical Research (Space Physics) 119, 6042-6061. doi:[10.1002/2014JA019950](https://doi.org/10.1002/2014JA019950).

The solar type II radio bursts of 7 March 2012: Detailed simulation analyses.

Shanmugaraju, A., Prasanna Subramanian, S., Vrsnak, B., Ibrahim, M. S.: 2014, Solar Physics 289, 4621-4632. doi:[10.1007/s11207-014-0591-x](https://doi.org/10.1007/s11207-014-0591-x).

Interaction Between Two CMEs During 14 - 15 February 2011 and Their Unusual Radio Signature.

Shen, C., Wang, Y., Pan, Z., Miao, B., Ye, P., Wang, S.: 2014, Journal of Geophysical Research (Space Physics) 119, 5107-5116. doi:[10.1002/2014JA020001](https://doi.org/10.1002/2014JA020001).

Full-halo coronal mass ejections: Arrival at the Earth.

Shen, F., Shen, C., Zhang, J., Hess, P., Wang, Y., Feng, X., Cheng, H., Yang, Y.: 2014, Journal of Geophysical Research (Space Physics) 119, 7128-7141. doi:[10.1002/2014JA020365](https://doi.org/10.1002/2014JA020365).

Evolution of the 12 July 2012 CME from the Sun to the Earth: Data-constrained three-dimensional MHD simulations.

Shen, Y., Liu, Y. D., Chen, P. F., Ichimoto, K.: 2014, The Astrophysical Journal 795, 130. doi:[10.1088/0004-637X/795/2/130](https://doi.org/10.1088/0004-637X/795/2/130).

Simultaneous Transverse Oscillations of a Prominence and a Filament and Longitudinal Oscillation of Another Filament Induced by a Single Shock Wave.

Song, H. Q., Zhang, J., Chen, Y., Cheng, X.: 2014, The Astrophysical Journal 792, LL40. doi:[10.1088/2041-8205/792/2/L40](https://doi.org/10.1088/2041-8205/792/2/L40).

Direct Observations of Magnetic Flux Rope Formation during a Solar Coronal Mass Ejection.

Sterling, A. C., Moore, R. L., Falconer, D. A., Knox, J. M.: 2014, The Astrophysical Journal 788, LL20. doi:[10.1088/2041-8205/788/2/L20](https://doi.org/10.1088/2041-8205/788/2/L20).

New Aspects of a Lid-removal Mechanism in the Onset of an Eruption Sequence that Produced a Large Solar Energetic Particle (SEP) Event.

Subramanian, P., Arunbabu, K. P., Vourlidas, A., Mauriya, A.: 2014, The Astrophysical Journal 790, 125. doi:[10.1088/0004-637X/790/2/125](https://doi.org/10.1088/0004-637X/790/2/125).

Self-similar Expansion of Solar Coronal Mass Ejections: Implications for Lorentz Self-force Driving.

Susino, R., Bemporad, A., Dolei, S.: 2014, The Astrophysical Journal 790, 25. doi:[10.1088/0004-637X/790/1/25](https://doi.org/10.1088/0004-637X/790/1/25).

Three-dimensional Stereoscopic Analysis of a Coronal Mass Ejection and Comparison with UV Spectroscopic Data.

Telloni, D., Antonucci, E., Dolei, S., Romano, P., Spadaro, D., Ventura, R.: 2014, Astronomy and Astrophysics 565, AA22. doi:[10.1051/0004-6361/201322775](https://doi.org/10.1051/0004-6361/201322775).

Stereoscopic investigation on plasma density fluctuations in the outer solar corona.

Temmer, M., Veronig, A. M., Peinhart, V., Vrsnak, B.: 2014, The Astrophysical Journal 785, 85. doi:[10.1088/0004-637X/785/2/85](https://doi.org/10.1088/0004-637X/785/2/85).

Asymmetry in the CME-CME Interaction Process for the Events from 2011 February 14-15.

Thakur, N., Gopalswamy, N., Xie, H., Mäkelä, P., Yashiro, S., Akiyama, S., Davila, J. M.: 2014, The Astrophysical Journal 790, LL13. doi:[10.1088/2041-8205/790/1/L13](https://doi.org/10.1088/2041-8205/790/1/L13).

Ground Level Enhancement in the 2014 January 6 Solar Energetic Particle Event.

Uritsky, V. M., Davila, J. M.: 2014, The Astrophysical Journal 795, 15. doi:[10.1088/0004-637X/795/1/15](https://doi.org/10.1088/0004-637X/795/1/15).

Spatiotemporal Organization of Energy Release Events in the Quiet Solar Corona.

Valentini, F., Vecchio, A., Donato, S., Carbone, V., Briand, C., Bougeret, J., Veltri, P.: 2014, The Astrophysical Journal 788, LL16. doi:[10.1088/2041-8205/788/1/L16](https://doi.org/10.1088/2041-8205/788/1/L16).

The Nonlinear and Nonlocal Link between Macroscopic Alfvénic and Microscopic Electrostatic Scales in the Solar Wind.

van der Holst, B., Sokolov, I. V., Meng, X., Jin, M., Manchester, W. B., IV, Tóth, G., Gombosi, T. I.: 2014, *The Astrophysical Journal* 782, 81. doi:[10.1088/0004-637X/782/2/81](https://doi.org/10.1088/0004-637X/782/2/81).

Alfvén Wave Solar Model (AWSOM): Coronal Heating.

van Driel-Gesztelyi, L., Baker, D., Török, T., Pariat, E., Green, L. M., Williams, D. R., Carlyle, J., Valori, G., Démoulin, P., Kliem, B., Long, D. M., Matthews, S. A., Malherbe, J.-M.: 2014, *The Astrophysical Journal* 788, 85. doi:[10.1088/0004-637X/788/1/85](https://doi.org/10.1088/0004-637X/788/1/85).

Coronal Magnetic Reconnection Driven by CME Expansion---the 2011 June 7 Event.

Vecchio, A., Valentini, F., Donato, S., Carbone, V., Briand, C., Bougeret, J., Veltri, P.: 2014, *Journal of Geophysical Research (Space Physics)* 119, 7012-7024. doi:[10.1002/2014JA020091](https://doi.org/10.1002/2014JA020091).

Electrostatic fluctuations in the solar wind: An evidence of the link between Alfvénic and electrostatic scales.

Verbeeck, C., Delouille, V., Mampaey, B., De Visscher, R.: 2014, *Astronomy and Astrophysics* 561, AA29. doi:[10.1051/0004-6361/201321243](https://doi.org/10.1051/0004-6361/201321243).

The SPoCA-suite: Software for extraction, characterization, and tracking of active regions and coronal holes on EUV images.

Vourlidas, A. : 2014, *Plasma Physics and Controlled Fusion* 56, 064001. doi:[10.1088/0741-3335/56/6/064001](https://doi.org/10.1088/0741-3335/56/6/064001).

The flux rope nature of coronal mass ejections.

Vrsnak, B., Temmer, M., Zic, T., Taktakishvili, A., Dumbovic, M., Möstl C., Veronig, A. M., Mays, M. L., Odstrcil, D.: 2014, *The Astrophysical Journal Supplement Series* 213, 21. doi:[10.1088/0067-0049/213/2/21](https://doi.org/10.1088/0067-0049/213/2/21).

Heliospheric Propagation of Coronal Mass Ejections: Comparison of Numerical WSA-ENLIL+Cone Model and Analytical Drag-based Model.

Wang, L., Li, G., Shih, A. Y., Lin, R. P., Wimmer-Schweingruber, R. F.: 2014, *The Astrophysical Journal* 793, LL37. doi:[10.1088/2041-8205/793/2/L37](https://doi.org/10.1088/2041-8205/793/2/L37).

Simulation of Energetic Neutral Atoms from Solar Energetic Particles.

Wang, T., Davila, J. M.: 2014, *Solar Physics* 289, 3723-3745. doi:[10.1007/s11207-014-0556-0](https://doi.org/10.1007/s11207-014-0556-0).

Validation of Spherically Symmetric Inversion by Use of a Tomographically Reconstructed Three-Dimensional Electron Density of the Solar Corona.

Wang, Y.-M., Young, P. R., Muglach, K.: 2014, *The Astrophysical Journal* 780, 103. doi:[10.1088/0004-637X/780/1/103](https://doi.org/10.1088/0004-637X/780/1/103).

Evidence for Two Separate Heliospheric Current Sheets of Cylindrical Shape During Mid-2012.

Wang, Y., Wang, B., Shen, C., Shen, F., Lugaz, N.: 2014, *Journal of Geophysical Research (Space Physics)* 119, 5117-5132. doi:[10.1002/2013JA019537](https://doi.org/10.1002/2013JA019537).

Deflected propagation of a coronal mass ejection from the corona to interplanetary space.

Webb, D. F., Bisi, M. M., de Koning, C. A., Farrugia, C. J., Jackson, B. V., Jian, L. K., Lugaz, N., Marubashi, K., Möstll, C., Romashets, E. P., Wood, B. E., Yu, H.-S.: 2014, Solar Physics 289, 4173-4208. doi:[10.1007/s11207-014-0571-1](https://doi.org/10.1007/s11207-014-0571-1).

An Ensemble Study of a January 2010 Coronal Mass Ejection (CME): Connecting a Non-obvious Solar Source with Its ICME/Magnetic Cloud.

Whittaker, Gemma N. : 2014, Thesis (PhD), University of Birmingham (UK).

The analysis and removal of systematic trends in STEREO's HI-1a photometry and a search for planetary transits.

Wiengarten, T., Kleimann, J., Fichtner, H., Kl^lhl, P., Kopp, A., Heber, B., Kissmann, R.: 2014, The Astrophysical Journal 788, 80. doi:[10.1088/0004-637X/788/1/80](https://doi.org/10.1088/0004-637X/788/1/80).

Cosmic Ray Transport in Heliospheric Magnetic Structures. I. Modeling Background Solar Wind Using the CRONOS Magnetohydrodynamic Code.

Wu, Z., Chen, Y., Li, G., Zhao, L. L., Ebert, R. W., Desai, M. I., Mason, G. M., Lavraud, B., Zhao, L., Liu, Y. C.-M., Guo, F., Tang, C. L., Landi, E., Sauvaud, J.: 2014, The Astrophysical Journal 781, 17. doi:[10.1088/0004-637X/781/1/17](https://doi.org/10.1088/0004-637X/781/1/17).

Observations of Energetic Particles between a Pair of Corotating Interaction Regions.

Xue, Z. K., Yan, X. L., Qu, Z. Q., Xu, C. L., Zhao, L.: 2014, Astrophysics and Space Science 353, 357-366. doi:[10.1007/s10509-014-2063-z](https://doi.org/10.1007/s10509-014-2063-z).

Eruptions of two coupled filaments observed by SDO, GONG and STEREO.

Yashiro, S., Gopalswamy, N., Mäkelä, P., Akiyama, S., Uddin, W., Srivastava, A. K., Joshi, N. C., Chandra, R., Manoharan, P. K., Mahalakshmi, K., Dwivedi, V. C., Jain, R., Awasthi, A. K., Nitta, N. V., Aschwanden, M. J., Choudhary, D. P.: 2014, Advances in Space Research 54, 1941-1948. doi:[10.1016/j.asr.2014.07.002](https://doi.org/10.1016/j.asr.2014.07.002).

Homologous flare-CME events and their metric type II radio burst association.

Ye, Q.-Z., Hui, M.-T., Kracht, R., Wiegert, P. A.: 2014, The Astrophysical Journal 796, 83. doi:[10.1088/0004-637X/796/2/83](https://doi.org/10.1088/0004-637X/796/2/83).

Where are the Mini Kreutz-family Comets?

Yeeram, T., Ruffolo, D., Sáiz, A., Kamyan, N., Nutaro, T.: 2014, The Astrophysical Journal 784, 136. doi:[10.1088/0004-637X/784/2/136](https://doi.org/10.1088/0004-637X/784/2/136).

Corotating Solar Wind Structures and Recurrent Trains of Enhanced Diurnal Variation in Galactic Cosmic Rays.

Yu, H.-S., Jackson, B. V., Buffington, A., Hick, P. P., Shimojo, M., Sako, N.: 2014, The Astrophysical Journal 784, 166. doi:[10.1088/0004-637X/784/2/166](https://doi.org/10.1088/0004-637X/784/2/166).

The Three-dimensional Analysis of Hinode Polar Jets using Images from LASCO C2, the Stereo COR2 Coronagraphs, and SMEI.

Yu, W., Farrugia, C. J., Lugaz, N., Galvin, A. B., Kilpua, E. K. J., Kucharek, H., Möstll, C., Leitner, M., Torbert, R. B., C. Simunac, K. D., Luhmann, J. G., Szabo, A., Wilson, L. B., Ogilvie, K. W., Sauvaud, J.-A.: 2014, Journal of Geophysical Research (Space Physics) 119, 689-708. doi:[10.1002/2013JA019115](https://doi.org/10.1002/2013JA019115).

A statistical analysis of properties of small transients in the solar wind 2007-2009: STEREO and Wind observations.

- Zhang, J., Li, T., Yang, S.: 2014, The Astrophysical Journal 782, LL27. doi: [10.1088/2041-8205/782/2/L27](https://doi.org/10.1088/2041-8205/782/2/L27).
Secondary Flare Ribbons Observed by the Solar Dynamics Observatory.
- Zhang, L., Zheng, H.-N., Liao, C.-J.: 2014, Chinese Astronomy and Astrophysics 38, 56-64. doi: [10.1016/j.chinastron.2014.01.005](https://doi.org/10.1016/j.chinastron.2014.01.005).
Numerical Study of EUV Wave Phenomenon on 2009 February 13.
- Zhang, Q. M., Ji, H. S.: 2014, Astronomy and Astrophysics 561, AA134. doi: [10.1051/0004-6361/201322616](https://doi.org/10.1051/0004-6361/201322616).
A swirling flare-related EUV jet.
- Zhang, Q., Liu, R., Wang, Y., Shen, C., Liu, K., Liu, J., Wang, S.: 2014, The Astrophysical Journal 789, 133. doi: [10.1088/0004-637X/789/2/133](https://doi.org/10.1088/0004-637X/789/2/133).
A Prominence Eruption Driven by Flux Feeding from Chromospheric Fibrils.
- Zhang, Y., Du, A. M., Feng, X. S., Sun, W., Liu, Y. D., Fry, C. D., Deehr, C. S., Dryer, M., Zieger, B., Xie, Y. Q.: 2014, Solar Physics 289, 319-338. doi: [10.1007/s11207-013-0319-3](https://doi.org/10.1007/s11207-013-0319-3).
Simulated (STEREO) Views of the Solar Wind Disturbances Following the Coronal Mass Ejections of 1 August 2010.
- Zhao, L.-L., Qin, G., Zhang, M., Heber, B.: 2014, Journal of Geophysical Research (Space Physics) 119, 1493-1506. doi: [10.1002/2013JA019550](https://doi.org/10.1002/2013JA019550).
Modulation of galactic cosmic rays during the unusual solar minimum between cycles 23 and 24.
- Zhao, X., Dryer, M.: 2014, Space Weather 12, 448-469. doi: [10.1002/2014SW001060](https://doi.org/10.1002/2014SW001060).
Current status of CME/shock arrival time prediction.
- Zhou, Y., Feng, X., Zhao, X.: 2014, Journal of Geophysical Research (Space Physics) 119, 9321-9333. doi: [10.1002/2014JA020347](https://doi.org/10.1002/2014JA020347).
Using a 3-D MHD simulation to interpret propagation and evolution of a coronal mass ejection observed by multiple spacecraft: The 3 April 2010 event.
- Zhu, C., Alexander, D.: 2014, Solar Physics 289, 279-288. doi: [10.1007/s11207-013-0349-x](https://doi.org/10.1007/s11207-013-0349-x).
Eruption of a Bifurcated Solar Filament.
- Zhu, C., Alexander, D., Sun, X., Daou, A.: 2014, Solar Physics 289, 4533-4543. doi: [10.1007/s11207-014-0592-9](https://doi.org/10.1007/s11207-014-0592-9).
The Role of Interchange Reconnection in Facilitating a Filament Eruption.
- Zhu, Chunm: 2014, Thesis (PhD) Rice University.
Dynamics and Evolution of Solar Eruptive Prominences.
- Zuccarello, F. P., Seaton, D. B., Mierla, M., Poedts, S., Rachmeler, L. A., Romano, P., Zuccarello, F.: 2014, The Astrophysical Journal 785, 88. doi: [10.1088/0004-637X/785/2/88](https://doi.org/10.1088/0004-637X/785/2/88).
Observational Evidence of Torus Instability as Trigger Mechanism for Coronal Mass Ejections: The 2011 August 4 Filament Eruption.

Alexandrova, O., Chen, C. H. K., Sorriso-Valvo, L., Horbury, T. S., Bale, S. D.: 2013, Space Science Reviews 178, 101-139. doi:[10.1007/s11214-013-0004-8](https://doi.org/10.1007/s11214-013-0004-8).

Solar Wind Turbulence and the Role of Ion Instabilities.

Alissandrakis, C. E., Kochanov, A. A., Patsourakos, S., Altyntsev, A. T., Lesovoi, S. V., Lesovoya, N. N.: 2013, Publications of the Astronomical Society of Japan 65, 8. doi:[10.1093/pasj/65.sp1.S8](https://doi.org/10.1093/pasj/65.sp1.S8).
Microwave and EUV Observations of an Erupting Filament and Associated Flare and Coronal Mass Ejections.

Anfinogentov, S., Nisticò, G., Nakariakov, V. M.: 2013, Astronomy and Astrophysics 560, AA107. doi:[10.1051/0004-6361/201322094](https://doi.org/10.1051/0004-6361/201322094).

Decay-less kink oscillations in coronal loops.

Aschwanden, M. J.: 2013, Solar Physics 287, 369-389. doi:[10.1007/s11207-012-0203-6](https://doi.org/10.1007/s11207-012-0203-6).

A Nonlinear Force-Free Magnetic Field Approximation Suitable for Fast Forward-Fitting to Coronal Loops. III. The Free Energy.

Aschwanden, M. J.: 2013, The Astrophysical Journal 763, 115. doi:[10.1088/0004-637X/763/2/115](https://doi.org/10.1088/0004-637X/763/2/115).

Nonlinear Force-free Magnetic Field Fitting to Coronal Loops with and without Stereoscopy.

Aschwanden, M. J., Malanushenko, A.: 2013, Solar Physics 287, 345-367. doi:[10.1007/s11207-012-0070-1](https://doi.org/10.1007/s11207-012-0070-1).

A Nonlinear Force-Free Magnetic Field Approximation Suitable for Fast Forward-Fitting to Coronal Loops. II. Numeric Code and Tests.

Baker, D. N., Li, X., Pulkkinen, A., Ngwira, C. M., Mays, M. L., Galvin, A. B., Simunac, K. D. C.: 2013, Space Weather 11, 585-591. doi:[10.1002/swe.20097](https://doi.org/10.1002/swe.20097).

A major solar eruptive event in July 2012: Defining extreme space weather scenarios.

Barbey, N., Guennou, C., Auchère, F.: 2013, Solar Physics 283, 227-245. doi:[10.1007/s11207-011-9792-8](https://doi.org/10.1007/s11207-011-9792-8).

TomograPy: A Fast, Instrument-Independent, Solar Tomography Software.

Barnard, Luke: 2013, Thesis (PhD) Reading University.

The statistics of Solar Energetic Particle events, an important component of space weather.

Bein, B. M., Temmer, M., Vourlidas, A., Veronig, A. M., Utz, D.: 2013, The Astrophysical Journal 768, 31. doi:[10.1088/0004-637X/768/1/31](https://doi.org/10.1088/0004-637X/768/1/31).

The Height Evolution of the "True" Coronal Mass Ejection Mass derived from STEREO COR1 and COR2 Observations.

Bein, Bianca Maria: 2013, Thesis (PhD), Univ. of Graz.

Properties of coronal mass ejections derived from STEREO observations.

BenMoussa, A., Gissot, S., Schühle, U., Del Zanna, G., Auchère, F., Mekaoui, S., Jones, A. R., Walton, D., Eyles, C. J., Thuillier, G., Seaton, D., Dammasch, I. E., Cessateur, G., Meftah, M., Andretta, V., Berghmans, D., Bewsher, D., Bolsée, D., Bradley, L., Brown, D. S., Chamberlin, P. C., Dewitte, S., Didkovsky, L. V., Dominique, M., Eparvier, F. G., Foujols, T., Gillotay, D., Giordanengo, B., Halain, J. P., Hock, R. A., Irbah, A., Jeppesen, C., Judge, D. L., Kretzschmar, M., McMullin, D. R., Nicula, B., Schmutz, W., Ucker, G., Wieman, S., Woodraska, D., Woods, T. N.: 2013, Solar Physics 288, 389-434. doi:[10.1007/s11207-013-0290-z](https://doi.org/10.1007/s11207-013-0290-z).

On-Orbit Degradation of Solar Instruments.

Berdichevsky, D. B.: 2013, Solar Physics 284, 245-259. doi:[10.1007/s11207-012-0176-5](https://doi.org/10.1007/s11207-012-0176-5).

On Fields and Mass Constraints for the Uniform Propagation of Magnetic-Flux Ropes Undergoing Isotropic Expansion.

Bi, Y., Jiang, Y., Yang, J., Zheng, R., Hong, J., Li, H., Yang, D., Yang, B.: 2013, The Astrophysical Journal 773, 162. doi:[10.1088/0004-637X/773/2/162](https://doi.org/10.1088/0004-637X/773/2/162).

Analysis of the Simultaneous Rotation and Non-radial Propagation of an Eruptive Filament.

Bourdin, P.-A., Bingert, S., Peter, H.: 2013, Astronomy and Astrophysics 555, AA123. doi:[10.1051/0004-6361/201321185](https://doi.org/10.1051/0004-6361/201321185).

Observationally driven 3D magnetohydrodynamics model of the solar corona above an active region.

Braga, C. R., Dal Lago, A., Stenborg, G.: 2013, Advances in Space Research 51, 1949-1965. doi:[10.1016/j.asr.2012.05.009](https://doi.org/10.1016/j.asr.2012.05.009).

Pseudo-automatic characterization of the morphological and kinematical properties of coronal mass ejections using a texture-based technique.

Breneman, A. W., Cattell, C. A., Kersten, K., Paradise, A., Schreiner, S., Kellogg, P. J., Goetz, K., Wilson, L. B.: 2013, Journal of Geophysical Research (Space Physics) 118, 7654-7664. doi:[10.1002/2013JA019372](https://doi.org/10.1002/2013JA019372).

STEREO and Wind observations of intense cyclotron harmonic waves at the Earth's bow shock and inside the magnetosheath.

Byrne, J. P., Long, D. M., Gallagher, P. T., Bloomfield, D. S., Maloney, S. A., McAteer, R. T. J., Morgan, H., Habbal, S. R.: 2013, Astronomy and Astrophysics 557, AA96. doi:[10.1051/0004-6361/201321223](https://doi.org/10.1051/0004-6361/201321223).

Improved methods for determining the kinematics of coronal mass ejections and coronal waves.

Carley, E. P., Long, D. M., Byrne, J. P., Zucca, P., Bloomfield, D. S., McCauley, J., Gallagher, P. T.: 2013, Nature Physics 9, 811-816. doi:[10.1038/nphys2767](https://doi.org/10.1038/nphys2767).

Quasiperiodic acceleration of electrons by a plasmoid-driven shock in the solar atmosphere.

Chen, B., Bastian, T. S., White, S. M., Gary, D. E., Perley, R., Rupen, M., Carlson, B.: 2013, The Astrophysical Journal 763, LL21. doi:[10.1088/2041-8205/763/1/L21](https://doi.org/10.1088/2041-8205/763/1/L21).

Tracing Electron Beams in the Sun's Corona with Radio Dynamic Imaging Spectroscopy.

Chen, H., Ma, S., Zhang, J.: 2013, The Astrophysical Journal 778, 70. doi:[10.1088/0004-637X/778/1/70](https://doi.org/10.1088/0004-637X/778/1/70).

Overlying Extreme-ultraviolet Arcades Preventing Eruption of a Filament Observed by AIA/SDO.

Cheng, X., Zhang, J., Ding, M. D., Liu, Y., Poomvises, W.: 2013, The Astrophysical Journal 763, 43. doi:[10.1088/0004-637X/763/1/43](https://doi.org/10.1088/0004-637X/763/1/43).

The Driver of Coronal Mass Ejections in the Low Corona: A Flux Rope.

Cheng, X., Zhang, J., Ding, M. D., Olmedo, O., Sun, X. D., Guo, Y., Liu, Y.: 2013, The Astrophysical Journal 769, LL25. doi:[10.1088/2041-8205/769/2/L25](https://doi.org/10.1088/2041-8205/769/2/L25).

Investigating Two Successive Flux Rope Eruptions in a Solar Active Region.

Cho, K.-S., Gopalswamy, N., Kwon, R.-Y., Kim, R.-S., Yashiro, S.: 2013, The Astrophysical Journal 765, 148. doi:[10.1088/0004-637X/765/2/148](https://doi.org/10.1088/0004-637X/765/2/148).

A High-frequency Type II Solar Radio Burst Associated with the 2011 February 13 Coronal Mass Ejection.

Colaninno, R. C., Vourlidas, A., Wu, C. C.: 2013, Journal of Geophysical Research (Space Physics) 118, 6866-6879. doi:[10.1002/2013JA019205](https://doi.org/10.1002/2013JA019205).

Quantitative comparison of methods for predicting the arrival of coronal mass ejections at Earth based on multiview imaging.

Davies, J. A., Perry, C. H., Trines, R. M. G. M., Harrison, R. A., Lugaz, N., Möstll, C., Liu, Y. D., Steed, K.: 2013, The Astrophysical Journal 777, 167. doi:[10.1088/0004-637X/777/2/167](https://doi.org/10.1088/0004-637X/777/2/167).

Establishing a Stereoscopic Technique for Determining the Kinematic Properties of Solar Wind Transients based on a Generalized Self-similarly Expanding Circular Geometry.

de Patoul, J., Inhester, B., Cameron, R.: 2013, Astronomy and Astrophysics 558, LL4. doi:[10.1051/0004-6361/201322414](https://doi.org/10.1051/0004-6361/201322414).

Polar plumes' orientation and the Sun's global magnetic field.

de Patoul, J., Inhester, B., Feng, L., Wiegmann, T.: 2013, Solar Physics 283, 207-225. doi:[10.1007/s11207-011-9902-7](https://doi.org/10.1007/s11207-011-9902-7).

2D and 3D Polar Plume Analysis from the Three Vantage Positions of STEREO/EUVI A, B, and SOHO/EIT.

DeForest, C. E., Howard, T. A., McComas, D. J.: 2013, The Astrophysical Journal 769, 43. doi:[10.1088/0004-637X/769/1/43](https://doi.org/10.1088/0004-637X/769/1/43).

Tracking Coronal Features from the Low Corona to Earth: A Quantitative Analysis of the 2008 December 12 Coronal Mass Ejection.

DeForest, C. E., Howard, T. A., Tappin, S. J.: 2013, The Astrophysical Journal 765, 44. doi:[10.1088/0004-637X/765/1/44](https://doi.org/10.1088/0004-637X/765/1/44).

The Thomson Surface. II. Polarization.

Downs, C., Linker, J. A., Mikic, Z., Riley, P., Schrijver, C. J., Saint-Hilaire, P.: 2013, Science 340, 1196-1199. doi:[10.1126/science.1236550](https://doi.org/10.1126/science.1236550).

Probing the Solar Magnetic Field with a Sun-Grazing Comet.

Drews, C., Berger, L., Wimmer-Schweingruber, R. F., Galvin, A. B.: 2013, Geophysical Research Letters 40, 1468-1473. doi:[10.1002/grl.50368](https://doi.org/10.1002/grl.50368).

Interstellar He⁺ ring-beam distributions: Observations and implications.

Drews, Christian: 2013, Dissertation zur Erlangung des Doktorgrades der Mathematisch-Naturwissenschaftlichen-Fakultaet der Christian-Albrechts-Universitaet zu Kiel. doi:.

Interstellar Pickup Ions at 1 AU with STEREO/PLASTIC.

- Edberg, N. J. T., Andrews, D. J., Shebanits, O., Idgren, K., Wahlund, J.-E., Opgenoorth, H. J., Roussos, E., Garnier, P., Cravens, T. E., Badman, S. V., Modolo, R., Bertucci, C., Dougherty, M. K.: 2013, Geophysical Research Letters 40, 2879-2883. doi:[10.1002/grl.50579](https://doi.org/10.1002/grl.50579).
Extreme densities in Titan's ionosphere during the T85 magnetosheath encounter.
- Elliott, H. A., Jahn, J.-M., McComas, D. J.: 2013, Space Weather 11, 339-349. doi:[10.1002/swe.20053](https://doi.org/10.1002/swe.20053).
The K_p index and solar wind speed relationship: Insights for improving space weather forecasts.
- Enriquez-Rivera, O., Blanco-Cano, X., Russell, C. T., Jian, L. K., Luhmann, J. G., Simunac, K. D. C., Galvin, A. B.: 2013, Journal of Geophysical Research (Space Physics) 118, 17-28. doi:[10.1029/2012JA018233](https://doi.org/10.1029/2012JA018233).
Mirror-mode storms inside stream interaction regions and in the ambient solar wind: A kinetic study.
- Feng, L., Inhester, B., Gan, W. Q.: 2013, The Astrophysical Journal 774, 141. doi:[10.1088/0004-637X/774/2/141](https://doi.org/10.1088/0004-637X/774/2/141).
Kelvin-Helmholtz Instability of a Coronal Streamer.
- Feng, L., Inhester, B., Mierla, M.: 2013, Solar Physics 282, 221-238. doi:[10.1007/s11207-012-0143-1](https://doi.org/10.1007/s11207-012-0143-1).
Comparisons of CME Morphological Characteristics Derived from Five 3D Reconstruction Methods.
- Feng, L., Wiegelmann, T., Su, Y., Inhester, B., Li, Y. P., Sun, X. D., Gan, W. Q.: 2013, The Astrophysical Journal 765, 37. doi:[10.1088/0004-637X/765/1/37](https://doi.org/10.1088/0004-637X/765/1/37).
Magnetic Energy Partition between the Coronal Mass Ejection and Flare from AR 11283.
- Feng, S. W., Chen, Y., Kong, X. L., Li, G., Song, H. Q., Feng, X. S., Guo, F.: 2013, The Astrophysical Journal 767, 29. doi:[10.1088/0004-637X/767/1/29](https://doi.org/10.1088/0004-637X/767/1/29).
Diagnostics on the Source Properties of a Type II Radio Burst with Spectral Bumps.
- Filippov, B.: 2013, The Astrophysical Journal 773, 10. doi:[10.1088/0004-637X/773/1/10](https://doi.org/10.1088/0004-637X/773/1/10).
A Filament Eruption on 2010 October 21 from Three Viewpoints.
- Filippov, B. P.: 2013, Astronomy Reports 57, 778-785. doi:[10.1134/S1063772913100028](https://doi.org/10.1134/S1063772913100028).
Height of a solar filament before eruption.
- Filippov, B., Koutchmy, S., Tavabi, E.: 2013, Solar Physics 286, 143-156. doi:[10.1007/s11207-011-9911-6](https://doi.org/10.1007/s11207-011-9911-6).
Formation of a White-Light Jet Within a Quadrupolar Magnetic Configuration.
- Foullon, C., Verwichte, E., Nykyri, K., Aschwanden, M. J., Hannah, I. G.: 2013, The Astrophysical Journal 767, 170. doi:[10.1088/0004-637X/767/2/170](https://doi.org/10.1088/0004-637X/767/2/170).
Kelvin-Helmholtz Instability of the CME Reconnection Outflow Layer in the Low Corona.
- Gilbert, H. R., Inglis, A. R., Mays, M. L., Ofman, L., Thompson, B. J., Young, C. A.: 2013, The Astrophysical Journal 776, LL12. doi:[10.1088/2041-8205/776/1/L12](https://doi.org/10.1088/2041-8205/776/1/L12).
Energy Release from Impacting Prominence Material Following the 2011 June 7 Eruption.
- Glesener, L., Krucker, S., Bain, H. M., Lin, R. P.: 2013, The Astrophysical Journal 779, LL29. doi:[10.1088/2041-8205/779/2/L29](https://doi.org/10.1088/2041-8205/779/2/L29).
Observation of Heating by Flare-accelerated Electrons in a Solar Coronal Mass Ejection.

Gopalswamy, N., Mäkelä, P., Xie, H., Yashiro, S.: 2013, Space Weather 11, 661-669. doi: [10.1002/2013SW000945](https://doi.org/10.1002/2013SW000945).

Testing the empirical shock arrival model using quadrature observations.

Gopalswamy, N., Xie, H., Akiyama, S., Yashiro, S., Usoskin, I. G., Davila, J. M.: 2013, The Astrophysical Journal 765, LL30. doi: [10.1088/2041-8205/765/2/L30](https://doi.org/10.1088/2041-8205/765/2/L30).

The First Ground Level Enhancement Event of Solar Cycle 24: Direct Observation of Shock Formation and Particle Release Heights.

Gopalswamy, N., Xie, H., Mäkelä, P., Yashiro, S., Akiyama, S., Uddin, W., Srivastava, A. K., Joshi, N. C., Chandra, R., Manoharan, P. K., Mahalakshmi, K., Dwivedi, V. C., Jain, R., Awasthi, A. K., Nitta, N. V., Aschwanden, M. J., Choudhary, D. P.: 2013, Advances in Space Research 51, 1981-1989. doi: [10.1016/j.asr.2013.01.006](https://doi.org/10.1016/j.asr.2013.01.006).

Height of shock formation in the solar corona inferred from observations of type II radio bursts and coronal mass ejections.

Graham, D. B., Cairns, I. H.: 2013, Physical Review Letters 111, 121101. doi: [10.1103/PhysRevLett.111.121101](https://doi.org/10.1103/PhysRevLett.111.121101).

Constraints on the Formation and Structure of Langmuir Eigenmodes in the Solar Wind.

Graham, D. B., Cairns, I. H.: 2013, Journal of Geophysical Research (Space Physics) 118, 3968-3984. doi: [10.1002/jgra.50402](https://doi.org/10.1002/jgra.50402).

Electrostatic decay of Langmuir/z-mode waves in type III solar radio bursts.

Graham, D. B., Cairns, I. H., Robinson, P. A.: 2013, Geophysical Research Letters 40, 1934-1939. doi: [10.1002/grl.50475](https://doi.org/10.1002/grl.50475).

Langmuir "snakes" and electrostatic decay in the solar wind.

Grechnev, V. V., Kuz'menko, I. V., Uralov, A. M., Chertok, I. M., Kochanov, A. A.: 2013, Publications of the Astronomical Society of Japan 65, 10. doi: [10.1093/pasj/65.sp1.S10](https://doi.org/10.1093/pasj/65.sp1.S10).

Microwave Negative Bursts as Indications of Reconnection Between Eruptive Filaments and a Large-Scale Coronal Magnetic Environment.

Hardwick, S. A., Bisi, M. M., Davies, J. A., Breen, A. R., Fallows, R. A., Harrison, R. A., Davis, C. J.: 2013, Solar Physics 285, 111-126. doi: [10.1007/s11207-013-0223-x](https://doi.org/10.1007/s11207-013-0223-x).

Observations of Rapid Velocity Variations in the Slow Solar Wind.

Harra, L. K., Matthews, S., Culhane, J. L., Cheung, M. C. M., Kontar, E. P., Hara, H.: 2013, The Astrophysical Journal 774, 122. doi: [10.1088/0004-637X/774/2/122](https://doi.org/10.1088/0004-637X/774/2/122).

The Location of Non-thermal Velocity in the Early Phases of Large Flares---Revealing Pre-eruption Flux Ropes.

Hidalgo, M. A.: 2013, The Astrophysical Journal 766, 125. doi: [10.1088/0004-637X/766/2/125](https://doi.org/10.1088/0004-637X/766/2/125).
A Global Magnetic Topology Model for Magnetic Clouds. II..

Howard, T. A., Bisi, M. M., Buffington, A., Clover, J. M., Cooke, M. P., Eyles, C. J., Hick, P. P., Holladay, P. E., Jackson, B. V., Johnston, J. C., Kahler, S. W., Kuchar, T. A., Mizuno, D. R., Penny, A. J., Price, S. D., Radick, R. R., Simnett, G. M., Tappin, S. J., Walther, N. R., Webb, D. F.: 2013, Space Science Reviews 180, 1-38. doi: [10.1007/s11214-013-9992-7](https://doi.org/10.1007/s11214-013-9992-7).

The Solar Mass Ejection Imager and Its Heliospheric Imaging Legacy.

Howard, T. A., Tappin, S. J., Odstrcil, D., DeForest, C. E.: 2013, The Astrophysical Journal 765, 45. doi:[10.1088/0004-637X/765/1/45](https://doi.org/10.1088/0004-637X/765/1/45).

The Thomson Surface. III. Tracking Features in 3D.

Hui, M.-T.: 2013, Monthly Notices of the Royal Astronomical Society 436, 1564-1575. doi:[10.1093/mnras/stt1683](https://doi.org/10.1093/mnras/stt1683).

Observations of Comet P/2003 T12 = 2012 A3 (SOHO) at large phase angle in STEREO-B.

Imada, S., Aoki, K., Hara, H., Watanabe, T., Harra, L. K., Shimizu, T.: 2013, The Astrophysical Journal 776, LL11. doi:[10.1088/2041-8205/776/1/L11](https://doi.org/10.1088/2041-8205/776/1/L11).

Evidence for Hot Fast Flow above a Solar Flare Arcade.

Isavnin, A., Vourlidas, A., Kilpua, E. K. J.: 2013, Solar Physics 284, 203-215. doi:[10.1007/s11207-012-0214-3](https://doi.org/10.1007/s11207-012-0214-3).

Three-Dimensional Evolution of Erupted Flux Ropes from the Sun (2 - 20 R_{sun}) to 1 AU.

Janvier, M., Démoulin, P., Dasso, S.: 2013, Astronomy and Astrophysics 556, AA50. doi:[10.1051/0004-6361/201321442](https://doi.org/10.1051/0004-6361/201321442).

Global axis shape of magnetic clouds deduced from the distribution of their local axis orientation.

Jewitt, D., Li, J., Agarwal, J.: 2013, The Astrophysical Journal 771, LL36. doi:[10.1088/2041-8205/771/2/L36](https://doi.org/10.1088/2041-8205/771/2/L36).

The Dust Tail of Asteroid (3200) Phaethon.

Jin, C. L., Harvey, J. W., Pietarila, A.: 2013, The Astrophysical Journal 765, 79. doi:[10.1088/0004-637X/765/2/79](https://doi.org/10.1088/0004-637X/765/2/79).

Synoptic Mapping of Chromospheric Magnetic Flux.

Jones, M. H., Bewsher, D., Brown, D. S.: 2013, Science 342, 960-963. doi:[10.1126/science.1243194](https://doi.org/10.1126/science.1243194).
Imaging of a Circumsolar Dust Ring Near the Orbit of Venus.

Joshi, N. C., Srivastava, A. K., Filippov, B., Uddin, W., Kayshap, P., Chandra, R.: 2013, The Astrophysical Journal 771, 65. doi:[10.1088/0004-637X/771/1/65](https://doi.org/10.1088/0004-637X/771/1/65).

A Study of a Failed Coronal Mass Ejection Core Associated with an Asymmetric Filament Eruption.

Joshi, N. C., Uddin, W., Srivastava, A. K., Chandra, R., Gopalswamy, N., Manoharan, P. K., Aschwanden, M. J., Choudhary, D. P., Jain, R., Nitta, N. V., Xie, H., Yashiro, S., Akiyama, S., Mäkelä, P., Kayshap, P., Awasthi, A. K., Dwivedi, V. C., Mahalakshmi, K.: 2013, Advances in Space Research 52, 1-14. doi:[10.1016/j.asr.2013.03.009](https://doi.org/10.1016/j.asr.2013.03.009).

A multiwavelength study of eruptive events on January 23, 2012 associated with a major solar energetic particle event.

Juhasz, A., Horanyi, M.: 2013, Geophysical Research Letters 40, 2500-2504. doi:[10.1002/grl.50535](https://doi.org/10.1002/grl.50535).

Dynamics and distribution of nano-dust particles in the inner solar system.

Kellogg, P. J., Goetz, K., Monson, S. J., Opitz, A.: 2013, Journal of Geophysical Research (Space Physics) 118, 4766-4775. doi:[10.1002/jgra.50443](https://doi.org/10.1002/jgra.50443).

Observations of transverse Z mode and parametric decay in the solar wind.

Kienreich, I. W., Muhr, N., Veronig, A. M., Berghmans, D., De Groof, A., Temmer, M., Vrsnak, B., Seaton, D. B.: 2013, Solar Physics 286, 201-219. doi:[10.1007/s11207-012-0023-8](https://doi.org/10.1007/s11207-012-0023-8).

Solar TErrestrial Relations Observatory-A (STEREO-A) and PProject for On-Board Autonomy 2 (PROBA2) Quadrature Observations of Reflections of Three EUV Waves from a Coronal Hole.

Kliem, B., Su, Y. N., van Ballegooijen, A. A., DeLuca, E. E.: 2013, The Astrophysical Journal 779, 129. doi:[10.1088/0004-637X/779/2/129](https://doi.org/10.1088/0004-637X/779/2/129).

Magnetohydrodynamic Modeling of the Solar Eruption on 2010 April 8.

Kondrashova, N. N., Pasechnik, M. N., Chornogor, S. N., Khomenko, E. V.: 2013, Solar Physics 284, 499-513. doi:[10.1007/s11207-012-0212-5](https://doi.org/10.1007/s11207-012-0212-5).

Atmosphere Dynamics of the Active Region NOAA 11024.

Konovalenko, A. A., Stanislavsky, A. A., Rucker, H. O., Lecacheux, A., Mann, G., Bougeret, J.-L., Kaiser, M. L., Briand, C., Zarka, P., Abranin, E. P., Dorovsky, V. V., Koval, A. A., Mel'nik, V. N., Mukha, D. V., Panchenko, M.: 2013, Experimental Astronomy 36, 137-154. doi:[10.1007/s10686-012-9326-x](https://doi.org/10.1007/s10686-012-9326-x).

Synchronized observations by using the STEREO and the largest ground-based decametre radio telescope.

Kouloumvakos, T.: 2013, University of Athens. doi:

Development of Shocks in the Solar Corona.

Krista, L. D., Reinard, A.: 2013, The Astrophysical Journal 762, 91. doi:[10.1088/0004-637X/762/2/91](https://doi.org/10.1088/0004-637X/762/2/91).

Study of the Recurring Dimming Region Detected at AR 11305 Using the Coronal Dimming Tracker (CoDiT).

Kumar, P., Cho, K.-S., Chen, P. F., Bong, S.-C., Park, S.-H.: 2013, Solar Physics 282, 523-541. doi:[10.1007/s11207-012-0158-7](https://doi.org/10.1007/s11207-012-0158-7).

Multiwavelength Study of a Solar Eruption from AR NOAA 11112: II. Large-Scale Coronal Wave and Loop Oscillation.

Kumar, P., Innes, D. E.: 2013, Solar Physics 288, 255-268. doi:[10.1007/s11207-013-0303-y](https://doi.org/10.1007/s11207-013-0303-y).
Multiwavelength Observations of an Eruptive Flare: Evidence for Blast Waves and Break-Out.

Kumar, P., Manoharan, P. K.: 2013, Astronomy and Astrophysics 553, AA109. doi:[10.1051/0004-6361/201220283](https://doi.org/10.1051/0004-6361/201220283).

Eruption of a plasma blob, associated M-class flare, and large-scale extreme-ultraviolet wave observed by SDO.

Kwon, R.-Y., Kramar, M., Wang, T., Ofman, L., Davila, J. M., Chae, J., Zhang, J.: 2013, The Astrophysical Journal 776, 55. doi:[10.1088/0004-637X/776/1/55](https://doi.org/10.1088/0004-637X/776/1/55).

Global Coronal Seismology in the Extended Solar Corona through Fast Magnetosonic Waves Observed by STEREO SECCHI COR1.

Kwon, R.-Y., Ofman, L., Olmedo, O., Kramar, M., Davila, J. M., Thompson, B. J., Cho, K.-S.: 2013, The Astrophysical Journal 766, 55. doi:[10.1088/0004-637X/766/1/55](https://doi.org/10.1088/0004-637X/766/1/55).

STEREO Observations of Fast Magnetosonic Waves in the Extended Solar Corona Associated with EIT/EUV Waves.

Lario, D., Aran, A., Gómez-Herrero, R., Dresing, N., Heber, B., Ho, G. C., Decker, R. B., Roelof, E. C.: 2013, The Astrophysical Journal 767, 41. doi:[10.1088/0004-637X/767/1/41](https://doi.org/10.1088/0004-637X/767/1/41).

Longitudinal and Radial Dependence of Solar Energetic Particle Peak Intensities: STEREO, ACE, SOHO, GOES, and MESSENGER Observations.

Lario, D., Ho, G. C., Roelof, E. C., Anderson, B. J., Korth, H.: 2013, Journal of Geophysical Research (Space Physics) 118, 63-73. doi:[10.1002/jgra.50106](https://doi.org/10.1002/jgra.50106).

Intense solar near-relativistic electron events at 0.3 AU.

Layden, A., Cairns, I. H., Li, B., Robinson, P. A.: 2013, Physical Review Letters 110, 185001. doi:[10.1103/PhysRevLett.110.185001](https://doi.org/10.1103/PhysRevLett.110.185001).

Electrostatic Decay in a Weakly Magnetized Plasma.

Le Chat, G., Zaslavsky, A., Meyer-Vernet, N., Issautier, K., Belheouane, S., Pantellini, F., Maksimovic, M., Zouganelis, I., Bale, S. D., Kasper, J. C.: 2013, Solar Physics 286, 549-559. doi:[10.1007/s11207-013-0268-x](https://doi.org/10.1007/s11207-013-0268-x).

Interplanetary Nanodust Detection by the Solar Terrestrial Relations Observatory/WAVES Low Frequency Receiver.

Lee, C. O., Arge, C. N., Odstrcil, D., Millward, G., Pizzo, V., Quinn, J. M., Henney, C. J.: 2013, Solar Physics 285, 349-368. doi:[10.1007/s11207-012-9980-1](https://doi.org/10.1007/s11207-012-9980-1).

Ensemble Modeling of CME Propagation.

Lee, K.-S., Innes, D. E., Moon, Y.-J., Shibata, K., Lee, J.-Y., Park, Y.-D.: 2013, The Astrophysical Journal 766, 1. doi:[10.1088/0004-637X/766/1/1](https://doi.org/10.1088/0004-637X/766/1/1).

Fast Extreme-ultraviolet Dimming Associated with a Coronal Jet Seen in Multi-wavelength and Stereoscopic Observations.

Leske, R. A., Cohen, C. M. S., Dotson, B., Mewaldt, R. A., Cummings, A. C., Labrador, A. W., Stone, E. C., Wiedenbeck, M. E., Christian, E. R., von Rosenvinge, T. T.: 2013, American Institute of Physics Conference Series 1539, 227. doi:[10.1063/1.4811029](https://doi.org/10.1063/1.4811029).

A survey of anisotropic energetic particle flows observed by STEREO.

Li, J., Jewitt, D.: 2013, The Astronomical Journal 145, 154. doi:[10.1088/0004-6256/145/6/154](https://doi.org/10.1088/0004-6256/145/6/154).
Recurrent Perihelion Activity in (3200) Phaethon.

Li,, L. P., Zhang, J.: 2013, Astronomy and Astrophysics 552, LL11. doi:[10.1051/0004-6361/201221005](https://doi.org/10.1051/0004-6361/201221005).

Eruptions of two flux ropes observed by SDO and STEREO.

Liewer, P. C., Panasenco, O., Hall, J. R.: 2013, Solar Physics 282, 201-220. doi:[10.1007/s11207-012-0145-z](https://doi.org/10.1007/s11207-012-0145-z).

Stereoscopic Analysis of the 31 August 2007 Prominence Eruption and Coronal Mass Ejection.

Liu, R.: 2013, Monthly Notices of the Royal Astronomical Society 434, 1309-1320. doi:[10.1093/mnras/stt1090](https://doi.org/10.1093/mnras/stt1090).

Dynamical processes at the vertical current sheet behind an erupting flux rope.

Liu, W., Chen, Q., Petrosian, V.: 2013, The Astrophysical Journal 767, 168. doi:[10.1088/0004-637X/767/2/168](https://doi.org/10.1088/0004-637X/767/2/168).

Plasmoid Ejections and Loop Contractions in an Eruptive M7.7 Solar Flare: Evidence of Particle Acceleration and Heating in Magnetic Reconnection Outflows.

- Liu, Y. D., Luhmann, J. G., Lugaz, N., Möstll, C., Davies, J. A., Bale, S. D., Lin, R. P.: 2013, The Astrophysical Journal 769, 45. doi:[10.1088/0004-637X/769/1/45](https://doi.org/10.1088/0004-637X/769/1/45).
On Sun-to-Earth Propagation of Coronal Mass Ejections.
- Lo, Daniel: 2013, Senior Thesis (BS) California Institute of Technology. doi:[...](#).
Electron Response of STEREO High Energy Telescope through GEANT4 Modeling.
- Lugaz, N., Kintner, P.: 2013, Solar Physics 285, 281-294. doi:[10.1007/s11207-012-9948-1](https://doi.org/10.1007/s11207-012-9948-1).
Effect of Solar Wind Drag on the Determination of the Properties of Coronal Mass Ejections from Heliospheric Images.
- Malanushenko, A., Schrijver, C. J.: 2013, The Astrophysical Journal 775, 120. doi:[10.1088/0004-637X/775/2/120](https://doi.org/10.1088/0004-637X/775/2/120).
On the Anisotropy in Expansion of Magnetic Flux Tubes in the Solar Corona.
- Malaspina, D. M., Graham, D. B., Ergun, R. E., Cairns, I. H.: 2013, Journal of Geophysical Research (Space Physics) 118, 6880-6888. doi:[10.1002/2013JA019309](https://doi.org/10.1002/2013JA019309).
Langmuir wave harmonics due to driven nonlinear currents.
- Malaspina, D. M., Newman, D. L., Wilson, L. B., III, Goetz, K., Kellogg, P. J., Kersten, K.: 2013, Journal of Geophysical Research (Space Physics) 118, 591-599. doi:[...](#).
Electrostatic Solitary Waves in the Solar Wind: Evidence for Instability at Solar Wind Current Sheets.
- Mierla, M., Seaton, D. B., Berghmans, D., Chifu, I., De Groof, A., Inhester, B., Rodriguez, L., Stenborg, G., Zhukov, A. N.: 2013, Solar Physics 286, 241-253. doi:[10.1007/s11207-012-9965-0](https://doi.org/10.1007/s11207-012-9965-0).
Study of a Prominence Eruption using PROBA2/SWAP and STEREO/EUVI Data.
- Millward, G., Biesecker, D., Pizzo, V., Koning, C. A.: 2013, Space Weather 11, 57-68. doi:[10.1002/swe.20024](https://doi.org/10.1002/swe.20024).
An operational software tool for the analysis of coronagraph images: Determining CME parameters for input into the WSA-Enlil heliospheric model.
- Mishra, W., Srivastava, N.: 2013, The Astrophysical Journal 772, 70. doi:[10.1088/0004-637X/772/1/70](https://doi.org/10.1088/0004-637X/772/1/70).
Estimating the Arrival Time of Earth-directed Coronal Mass Ejections at in Situ Spacecraft Using COR and HI Observations from STEREO.
- Morgan, H., Jeska, L., Leonard, D.: 2013, The Astrophysical Journal Supplement Series 206, 19. doi:[10.1088/0067-0049/206/2/19](https://doi.org/10.1088/0067-0049/206/2/19).
The Expansion of Active Regions into the Extended Solar Corona.
- Mulligan, T., Reinard, A. A., Lynch, B. J.: 2013, Journal of Geophysical Research (Space Physics) 118, 1410-1427. doi:[10.1002/jgra.50101](https://doi.org/10.1002/jgra.50101).
Advancing in situ modeling of ICMEs: New techniques for new observations.
- Möstl, C., Davies, J. A.: 2013, Solar Physics 285, 411-423. doi:[10.1007/s11207-012-9978-8](https://doi.org/10.1007/s11207-012-9978-8).
Speeds and Arrival Times of Solar Transients Approximated by Self-similar Expanding Circular Fronts.

Ngwira, C. M., Pulkkinen, A., Leila Mays, M., Kuznetsova, M. M., Galvin, A. B., Simunac, K., Baker, D. N., Li, X., Zheng, Y., Glocer, A.: 2013, Space Weather 11, 671-679. doi: [10.1002/2013SW000990](https://doi.org/10.1002/2013SW000990).

Simulation of the 23 July 2012 extreme space weather event: What if this extremely rare CME was Earth directed?

Nieves-Chinchilla, T., Vourlidas, A., Stenborg, G., Savani, N. P., Koval, A., Szabo, A., Jian, L. K.: 2013, The Astrophysical Journal 779, 55. doi: [10.1088/0004-637X/779/1/55](https://doi.org/10.1088/0004-637X/779/1/55).

Inner Heliospheric Evolution of a "Stealth" CME Derived from Multi-view Imaging and Multipoint in Situ observations. I. Propagation to 1 AU.

Nisticò, G., Nakariakov, V. M., Verwichte, E.: 2013, Astronomy and Astrophysics 552, AA57. doi: [10.1051/0004-6361/201220676](https://doi.org/10.1051/0004-6361/201220676).

Decaying and decayless transverse oscillations of a coronal loop.

Nitta, N. V., Aschwanden, M. J., Boerner, P. F., Freeland, S. L., Lemen, J. R., Wuelser, J.-P.: 2013, Solar Physics 288, 241-254. doi: [10.1007/s11207-013-0307-7](https://doi.org/10.1007/s11207-013-0307-7).

Soft X-ray Fluxes of Major Flares Far Behind the Limb as Estimated Using STEREO EUV Images.

Nitta, N. V., Schrijver, C. J., Title, A. M., Liu, W.: 2013, The Astrophysical Journal 776, 58. doi: [10.1088/0004-637X/776/1/58](https://doi.org/10.1088/0004-637X/776/1/58).

Large-scale Coronal Propagating Fronts in Solar Eruptions as Observed by the Atmospheric Imaging Assembly on Board the Solar Dynamics Observatory---an Ensemble Study.

Nuevo, F. A., Huang, Z., Frazin, R., Manchester, W. B., iv, Jin, M., Vásquez, A. M.: 2013, The Astrophysical Journal 773, 9. doi: [10.1088/0004-637X/773/1/9](https://doi.org/10.1088/0004-637X/773/1/9).

Evolution of the Global Temperature Structure of the Solar Corona during the Minimum between Solar Cycles 23 and 24.

Opgenoorth, H. J., Andrews, D. J., Fränz, M., Lester, M., Edberg, N. J. T., Morgan, D., Duru, F., Witasse, O., Williams, A. O.: 2013, Journal of Geophysical Research (Space Physics) 118, 6558-6587. doi: [10.1002/jgra.50537](https://doi.org/10.1002/jgra.50537).

Mars ionospheric response to solar wind variability.

Oran, R., van der Holst, B., Landi, E., Jin, M., Sokolov, I. V., Gombosi, T. I.: 2013, The Astrophysical Journal 778, 176. doi: [10.1088/0004-637X/778/2/176](https://doi.org/10.1088/0004-637X/778/2/176).

A Global Wave-driven Magnetohydrodynamic Solar Model with a Unified Treatment of Open and Closed Magnetic Field Topologies.

Panasenco, O., Martin, S. F., Velli, M., Vourlidas, A.: 2013, Solar Physics 287, 391-413. doi: [10.1007/s11207-012-0194-3](https://doi.org/10.1007/s11207-012-0194-3).

Origins of Rolling, Twisting, and Non-radial Propagation of Eruptive Solar Events.

Panchenko, M., Rucker, H. O., Farrell, W. M.: 2013, Planetary and Space Science 77, 3-11. doi: [10.1016/j.pss.2012.08.015](https://doi.org/10.1016/j.pss.2012.08.015).

Periodic bursts of Jovian non-Io decametric radio emission.

Panesar, N. K., Innes, D. E., Tiwari, S. K., Low, B. C.: 2013, Astronomy and Astrophysics 549, AA105. doi: [10.1051/0004-6361/201220503](https://doi.org/10.1051/0004-6361/201220503).

A solar tornado triggered by flares?

Park, J., Innes, D. E., Bucik, R., Moon, Y.-J.: 2013, *The Astrophysical Journal* 779, 184. doi: [10.1088/0004-637X/779/2/184](https://doi.org/10.1088/0004-637X/779/2/184).

The Source Regions of Solar Energetic Particles Detected by Widely Separated Spacecraft.

Patsourakos, S., Vourlidas, A., Stenborg, G.: 2013, *The Astrophysical Journal* 764, 125. doi: [10.1088/0004-637X/764/2/125](https://doi.org/10.1088/0004-637X/764/2/125).

Direct Evidence for a Fast Coronal Mass Ejection Driven by the Prior Formation and Subsequent Destabilization of a Magnetic Flux Rope.

Paunzen, E., Wraight, K. T., Fossati, L., Netopil, M., White, G. J., Bewsher, D.: 2013, *Monthly Notices of the Royal Astronomical Society* 429, 119-125. doi: [10.1093/mnras/sts318](https://doi.org/10.1093/mnras/sts318).

A photometric study of chemically peculiar stars with the STEREO satellites - II. Non-magnetic chemically peculiar stars.

Petrie, G. J. D., Haislmaier, K. J.: 2013, *The Astrophysical Journal* 775, 100. doi: [10.1088/0004-637X/775/2/100](https://doi.org/10.1088/0004-637X/775/2/100).

Low-latitude Coronal Holes, Decaying Active Regions, and Global Coronal Magnetic Structure.

Posner, A., Odstrcil, D., MacNeice, P., Rastaetter, L., Zeitlin, C., Heber, B., Elliott, H., Frahm, R. A., Hayes, J. J. E., von Rosenvinge, T. T., Christian, E. R., Andrews, J. P., Beaujean, R., Böttcher, S., Brinza, D. E., Bullock, M. A., Burmeister, S., Cucinotta, F. A., Ehresmann, B., Epperly, M., Grinspoon, D., Guo, J., Hassler, D. M., Kim, M.-H., Köhler, J., Kortmann, O., Martin Garcia, C., Müller-Mellin, R., Neal, K., Rafkin, S. C. R., Reitz, G., Seimetz, L., Smith, K. D., Tyler, Y., Weigle, E., Wimmer-Schweingruber, R. F.: 2013, *Planetary and Space Science* 89, 127-139. doi: [10.1016/j.pss.2013.09.013](https://doi.org/10.1016/j.pss.2013.09.013).

The Hohmann-Parker effect measured by the Mars Science Laboratory on the transfer from Earth to Mars: Consequences and opportunities.

Pucci, S., Poletto, G., Sterling, A. C., Romoli, M.: 2013, *The Astrophysical Journal* 776, 16. doi: [10.1088/0004-637X/776/1/16](https://doi.org/10.1088/0004-637X/776/1/16).

Physical Parameters of Standard and Blowout Jets.

Raftery, C. L., Bloomfield, D. S., Gallagher, P. T., Seaton, D. B., Berghmans, D., De Groof, A.: 2013, *Solar Physics* 286, 111-124. doi: [10.1007/s11207-013-0266-z](https://doi.org/10.1007/s11207-013-0266-z).

Temperature Response of the 171 Å Passband of the SWAP Imager on PROBA2, with a Comparison to TRACE, SOHO, STEREO, and SDO.

Ramesh, R., Kishore, P., Mulay, S. M., Barve, I. V., Kathiravan, C., Wang, T. J.: 2013, *The Astrophysical Journal* 778, 30. doi: [10.1088/0004-637X/778/1/30](https://doi.org/10.1088/0004-637X/778/1/30).

Low-frequency Observations of Drifting, Non-thermal Continuum Radio Emission Associated with the Solar Coronal Mass Ejections.

Reames, D. V.: 2013, *Space Science Reviews* 175, 53-92. doi: [10.1007/s11214-013-9958-9](https://doi.org/10.1007/s11214-013-9958-9).
The Two Sources of Solar Energetic Particles.

Richardson, I. G.: 2013, *Journal of Space Weather and Space Climate* 3, AA08. doi: [10.1051/swsc/2013031](https://doi.org/10.1051/swsc/2013031).

Geomagnetic activity during the rising phase of solar cycle 24.

Rollett, T., Temmer, M., Möstll, C., Lugaz, N., Veronig, A. M., Möstll, U. V.: 2013, Solar Physics 283, 541-556. doi:[10.1007/s11207-013-0246-3](https://doi.org/10.1007/s11207-013-0246-3).

Assessing the Constrained Harmonic Mean Method for Deriving the Kinematics of ICMEs with a Numerical Simulation.

Russell, C. T., Jian, L. K., Luhmann, J. G.: 2013, Journal of Advanced Research 4, 253-258. doi:[10.1016/j.jare.2012.08.011](https://doi.org/10.1016/j.jare.2012.08.011).

How unprecedented a solar minimum was it?

Russell, C. T., Mewaldt, R. A., Luhmann, J. G., Mason, G. M., von Rosenvinge, T. T., Cohen, C. M. S., Leske, R. A., Gómez-Herrero, R., Klassen, A., Galvin, A. B., Simunac, K. D. C.: 2013, The Astrophysical Journal 770, 38. doi:[10.1088/0004-637X/770/1/38](https://doi.org/10.1088/0004-637X/770/1/38).

The Very Unusual Interplanetary Coronal Mass Ejection of 2012 July 23: A Blast Wave Mediated by Solar Energetic Particles.

Savani, N. P., Vourlidas, A., Pulkkinen, A., Nieves-Chinchilla, T., Lavraud, B., Owens, M. J.: 2013, Space Weather 11, 245-261. doi:[10.1002/swe.20038](https://doi.org/10.1002/swe.20038).

Tracking the momentum flux of a CME and quantifying its influence on geomagnetically induced currents at Earth.

Schmidt, J. M., Cairns, I. H., Hillan, D. S.: 2013, The Astrophysical Journal 773, LL30. doi:[10.1088/2041-8205/773/2/L30](https://doi.org/10.1088/2041-8205/773/2/L30).

Prediction of Type II Solar Radio Bursts by Three-dimensional MHD Coronal Mass Ejection and Kinetic Radio Emission Simulations.

Schmieder, B., Kucera, T. A., Knizhnik, K., Luna, M., Lopez-Ariste, A., Toot, D.: 2013, The Astrophysical Journal 777, 108. doi:[10.1088/0004-637X/777/2/108](https://doi.org/10.1088/0004-637X/777/2/108).

Propagating Waves Transverse to the Magnetic Field in a Solar Prominence.

Schreiner, S., Cattell, C., Kersten, K., Hupach, A.: 2013, Solar Physics 288, 291-309. doi:[10.1007/s11207-012-9936-5](https://doi.org/10.1007/s11207-012-9936-5).

Using an Ellipsoid Model to Track and Predict the Evolution and Propagation of Coronal Mass Ejections.

Schrijver, C. J., Title, A. M., Yeates, A. R., DeRosa, M. L.: 2013, The Astrophysical Journal 773, 93. doi:[10.1088/0004-637X/773/2/93](https://doi.org/10.1088/0004-637X/773/2/93).

Pathways of Large-scale Magnetic Couplings between Solar Coronal Events.

Sekanina, Z., Kracht, R.: 2013, The Astrophysical Journal 778, 24. doi:[10.1088/0004-637X/778/1/24](https://doi.org/10.1088/0004-637X/778/1/24).

Population of SOHO/STEREO Kreutz Sungrazers and the Arrival of Comet C/2011 W3 (Lovejoy).

Shearer, P., Gilbert, A. C.: 2013, Inverse Problems 29, 045003. doi:[10.1088/0266-5611/29/4/045003](https://doi.org/10.1088/0266-5611/29/4/045003).

A generalization of variable elimination for separable inverse problems beyond least squares.

Shen, C., Li, G., Kong, X., Hu, J., Sun, X. D., Ding, L., Chen, Y., Wang, Y., Xia, L.: 2013, The Astrophysical Journal 763, 114. doi:[10.1088/0004-637X/763/2/114](https://doi.org/10.1088/0004-637X/763/2/114).

Compound Twin Coronal Mass Ejections in the 2012 May 17 GLE Event.

Shen, C., Wang, Y., Pan, Z., Zhang, M., Ye, P., Wang, S.: 2013, Journal of Geophysical Research (Space Physics) 118, 6858-6865. doi:[10.1002/2013JA018872](https://doi.org/10.1002/2013JA018872).

Full halo coronal mass ejections: Do we need to correct the projection effect in terms of velocity?

Slemzin, V., Harra, L., Urnov, A., Kuzin, S., Goryaev, F., Berghmans, D.: 2013, Solar Physics 286, 157-184. doi:[10.1007/s11207-012-0004-y](https://doi.org/10.1007/s11207-012-0004-y).

Signatures of Slow Solar Wind Streams from Active Regions in the Inner Corona.

Sokolov, I. V., van der Holst, B., Oran, R., Downs, C., Roussev, I. I., Jin, M., Manchester, W. B., IV, Evans, R. M., Gombosi, T. I.: 2013, The Astrophysical Journal 764, 23. doi:[10.1088/0004-637X/764/1/23](https://doi.org/10.1088/0004-637X/764/1/23).

Magnetohydrodynamic Waves and Coronal Heating: Unifying Empirical and MHD Turbulence Models.

Srivastava, A. K., Goossens, M.: 2013, The Astrophysical Journal 777, 17. doi:[10.1088/0004-637X/777/1/17](https://doi.org/10.1088/0004-637X/777/1/17).

X6.9-class Flare-induced Vertical Kink Oscillations in a Large-scale Plasma Curtain as Observed by the Solar Dynamics Observatory/Atmospheric Imaging Assembly.

Steffl, A. J., Cunningham, N. J., Shinn, A. B., Durda, D. D., Stern, S. A.: 2013, Icarus 223, 48-56. doi:[10.1016/j.icarus.2012.11.031](https://doi.org/10.1016/j.icarus.2012.11.031).

A search for Vulcanoids with the STEREO Heliospheric Imager.

Su, Y., van Ballegooijen, A.: 2013, The Astrophysical Journal 764, 91. doi:[10.1088/0004-637X/764/1/91](https://doi.org/10.1088/0004-637X/764/1/91).

Rotating Motions and Modeling of the Erupting Solar Polar-crown Prominence on 2010 December 6.

Sun, X., Hoeksema, J. T., Liu, Y., Aulanier, G., Su, Y., Hannah, I. G., Hock, R. A.: 2013, The Astrophysical Journal 778, 139. doi:[10.1088/0004-637X/778/2/139](https://doi.org/10.1088/0004-637X/778/2/139).

Hot Spine Loops and the Nature of a Late-phase Solar Flare.

Susino, R., Bemporad, A., Dolei, S., Vourlidas, A.: 2013, Advances in Space Research 52, 957-962. doi:[10.1016/j.asr.2013.05.017](https://doi.org/10.1016/j.asr.2013.05.017).

Study of a Coronal Mass Ejection with SOHO/UVCS and STEREO data.

Telloni, D., Ventura, R., Romano, P., Spadaro, D., Antonucci, E.: 2013, The Astrophysical Journal 767, 138. doi:[10.1088/0004-637X/767/2/138](https://doi.org/10.1088/0004-637X/767/2/138).

Detection of Plasma Fluctuations in White-light Images of the Outer Solar Corona: Investigation of the Spatial and Temporal Evolution.

Temmer, M., Vrsnak, B., Veronig, A. M.: 2013, Solar Physics 287, 441-454. doi:[10.1007/s11207-012-0088-4](https://doi.org/10.1007/s11207-012-0088-4).

The Wave-Driver System of the Off-Disk Coronal Wave of 17 January 2010.

Thejappa, G., MacDowall, R. J., Bergamo, M.: 2013, Annales Geophysicae 31, 1417-1428. doi:[10.5194/angeo-31-1417-2013](https://doi.org/10.5194/angeo-31-1417-2013).

Evidence for four- and three-wave interactions in solar type III radio emissions.

Thejappa, G., MacDowall, R. J., Bergamo, M.: 2013, Journal of Geophysical Research (Space Physics) 118, 4039-4052. doi:[10.1002/jgra.50441](https://doi.org/10.1002/jgra.50441).

Observational evidence for the collapsing Langmuir wave packet in a solar type III radio burst.

Thompson, W. T.: 2013, Solar Physics 283, 489-504. doi:[10.1007/s11207-013-0228-5](https://doi.org/10.1007/s11207-013-0228-5).

Alternating Twist Along an Erupting Prominence.

Threlfall, J., De Moortel, I., McIntosh, S. W., Bethge, C.: 2013, *Astronomy and Astrophysics* 556, AA124. doi:[10.1051/0004-6361/201321782](https://doi.org/10.1051/0004-6361/201321782).

First comparison of wave observations from CoMP and AIA/SDO.

Tripathi, D., Reeves, K. K., Gibson, S. E., Srivastava, A., Joshi, N. C.: 2013, *The Astrophysical Journal* 778, 142. doi:[10.1088/0004-637X/778/2/142](https://doi.org/10.1088/0004-637X/778/2/142).

SDO/AIA Observations of a Partially Erupting Prominence.

Tun, S. D., Vourlidas, A.: 2013, *The Astrophysical Journal* 766, 130. doi:[10.1088/0004-637X/766/2/130](https://doi.org/10.1088/0004-637X/766/2/130).

Derivation of the Magnetic Field in a Coronal Mass Ejection Core via Multi-frequency Radio Imaging.

Uritsky, V. M., Davila, J. M., Ofman, L., Coyner, A. J.: 2013, *The Astrophysical Journal* 769, 62. doi:[10.1088/0004-637X/769/1/62](https://doi.org/10.1088/0004-637X/769/1/62).

Stochastic Coupling of Solar Photosphere and Corona.

Vainio, R., Valtonen, E., Heber, B., Malandraki, O. E., Papaioannou, A., Klein, K.-L., Afanasiev, A., Agueda, N., Aurass, H., Battarbee, M., Braune, S., Dröge, W., Ganse, U., Hamadache, C., Heynderickx, D., Huttunen-Heikinmaa, K., Kiener, J., Kilian, P., Kopp, A., Kouloumvakos, A., Maisala, S., Mishev, A., Miteva, R., Nindos, A., Oittinen, T., Raukunen, O., Riihonen, E., Rodríguez-Gasén, R., Saloniemi, O., Sanahuja, B., Scherer, R., Spanier, F., Tatischeff, V., Tziotziou, K., Usoskin, I. G., Vilmer, N.: 2013, *Journal of Space Weather and Space Climate* 3, AA12. doi:[10.1051/swsc/2013030](https://doi.org/10.1051/swsc/2013030).

The first SEPServer event catalogue ~68-MeV solar proton events observed at 1 AU in 1996-2010.

Verwichte, E., Van Doorsselaere, T., Foullon, C., White, R. S.: 2013, *The Astrophysical Journal* 767, 16. doi:[10.1088/0004-637X/767/1/16](https://doi.org/10.1088/0004-637X/767/1/16).

Coronal Alfvén Speed Determination: Consistency between Seismology Using AIA/SDO Transverse Loop Oscillations and Magnetic Extrapolation.

Vourlidas, A., Lynch, B. J., Howard, R. A., Li, Y.: 2013, *Solar Physics* 284, 179-201. doi:[10.1007/s11207-012-0084-8](https://doi.org/10.1007/s11207-012-0084-8).

How Many CMEs Have Flux Ropes? Deciphering the Signatures of Shocks, Flux Ropes, and Prominences in Coronagraph Observations of CMEs.

Vrsnak, B., Zic, T., Vrbanec, D., Temmer, M., Rollett, T., Möstll, C., Veronig, A., Calogovic, J., Dumbovic, M., Lulic, S., Moon, Y.-J., Shanmugaraju, A.: 2013, *Solar Physics* 285, 295-315. doi:[10.1007/s11207-012-0035-4](https://doi.org/10.1007/s11207-012-0035-4).

Propagation of Interplanetary Coronal Mass Ejections: The Drag-Based Model.

Wang, R., Yan, Y., Tan, B.: 2013, *Solar Physics* 288, 507-529. doi:[10.1007/s11207-013-0422-5](https://doi.org/10.1007/s11207-013-0422-5).

Three-Dimensional Nonlinear Force-Free Field Reconstruction of Solar Active Region 11158 by Direct Boundary Integral Equation.

Wang, Y.-M.: 2013, *The Astrophysical Journal* 775, LL46. doi:[10.1088/2041-8205/775/2/L46](https://doi.org/10.1088/2041-8205/775/2/L46).
On the Strength of the Hemispheric Rule and the Origin of Active-region Helicity.

Wang, Y.-M., Sheeley, N. R., Jr., Stenborg, G.: 2013, *The Astrophysical Journal* 770, 72. doi:[10.1088/0004-637X/770/1/72](https://doi.org/10.1088/0004-637X/770/1/72).

Fe XII Stalks and the Origin of the Axial Field in Filament Channels.

Webb, D. F., Möstll, C., Jackson, B. V., Bisi, M. M., Howard, T. A., Mulligan, T., Jensen, E. A., Jian, L. K., Davies, J. A., de Koning, C. A., Liu, Y., Temmer, M., Clover, J. M., Farrugia, C. J., Harrison, R. A., Nitta, N., Odstrcil, D., Tappin, S. J., Yu, H.-S.: 2013, Solar Physics 285, 317-348. doi: [10.1007/s11207-013-0260-5](https://doi.org/10.1007/s11207-013-0260-5).

Heliospheric Imaging of 3D Density Structures During the Multiple Coronal Mass Ejections of Late July to Early August 2010.

White, R. S., Verwichte, E., Foullon, C.: 2013, The Astrophysical Journal 774, 104. doi: [10.1088/0004-637X/774/2/104](https://doi.org/10.1088/0004-637X/774/2/104).

Anti-phase Signature of Flare Generated Transverse Loop Oscillations.

Whittaker, G. N., Stevens, I. R., Sangaralingam, V.: 2013, Monthly Notices of the Royal Astronomical Society 431, 3456-3469. doi: [10.1093/mnras/stt425](https://doi.org/10.1093/mnras/stt425).

STEREO trend removal pipeline and planet detection possibilities.

Wiedenbeck, M. E., Mason, G. M., Cohen, C. M. S., Nitta, N. V., Gómez-Herrero, R., Haggerty, D. K.: 2013, The Astrophysical Journal 762, 54. doi: [10.1088/0004-637X/762/1/54](https://doi.org/10.1088/0004-637X/762/1/54).

Observations of Solar Energetic Particles from ^3He -rich Events over a Wide Range of Heliographic Longitude.

Wraight, Karl: 2013, Thesis (PhD) Open University.
A Stellar Variability Survey with STEREO.

Xie, H., St. Cyr, O. C., Gopalswamy, N., Odstrcil, D., Cremades, H.: 2013, Journal of Geophysical Research (Space Physics) 118, 4711-4723. doi: [10.1002/jgra.50444](https://doi.org/10.1002/jgra.50444).

Understanding shock dynamics in the inner heliosphere with modeling and type II radio data: A statistical study.

Xue, Z. K., Qu, Z. Q., Yan, X. L., Zhao, L., Ma, L.: 2013, Astronomy and Astrophysics 556, AA152. doi: [10.1051/0004-6361/201220731](https://doi.org/10.1051/0004-6361/201220731).

Deformation and deceleration of coronal wave.

Zheng, R., Jiang, Y., Yang, J., Bi, Y., Hong, J., Yang, B., Yang, D.: 2013, The Astrophysical Journal 764, 70. doi: [10.1088/0004-637X/764/1/70](https://doi.org/10.1088/0004-637X/764/1/70).

An Extreme-ultraviolet Wave Associated with a Surge.

Zheng, Y., Macneice, P., Odstrcil, D., Mays, M. L., Rastaetter, L., Pulkkinen, A., Taktakishvili, A., Hesse, M., Masha Kuznetsova, M., Lee, H., Chulaki, A.: 2013, Space Weather 11, 557-574. doi: [10.1002/swe.20096](https://doi.org/10.1002/swe.20096).

Forecasting propagation and evolution of CMEs in an operational setting: What has been learned.

2012

Agueda, N., Vainio, R., Sanahuja, B.: 2012, The Astrophysical Journal Supplement Series 202, 18. doi: [10.1088/0067-0049/202/2/18](https://doi.org/10.1088/0067-0049/202/2/18).

A Database of >20 keV Electron Green's Functions of Interplanetary Transport at 1 AU.

Alipour, N., Safari, H., Innes, D. E.: 2012, The Astrophysical Journal 746, 12. doi: [10.1088/0004-637X/746/1/12](https://doi.org/10.1088/0004-637X/746/1/12).

An Automatic Detection Method for Extreme-ultraviolet Dimmings Associated with Small-scale Eruption.

Andriyas, T., Spencer, E., Raj, A., Sojka, J., Mays, M. L.: 2012, Journal of Geophysical Research (Space Physics) 117, A03204. doi:[10.1029/2011JA017018](https://doi.org/10.1029/2011JA017018).

Forecasting the Dst index during corotating interaction region events using synthesized solar wind parameters.

Asai, A., Ishii, T. T., Isobe, H., Kitai, R., Ichimoto, K., Ueno, S., Nagata, S., Morita, S., Nishida, K., Shiota, D., Oi, A., Akioka, M., Shibata, K.: 2012, The Astrophysical Journal 745, LL18. doi: [10.1088/2041-8205/745/2/L18](https://doi.org/10.1088/2041-8205/745/2/L18).

First Simultaneous Observation of an Halpha Moreton Wave, EUV Wave, and Filament/Prominence Oscillations.

Aschwanden, M. J., Wuelser, J.-P., Nitta, N. V., Lemen, J. R., DeRosa, M. L., Malanushenko, A.: 2012, The Astrophysical Journal 756, 124. doi:[10.1088/0004-637X/756/2/124](https://doi.org/10.1088/0004-637X/756/2/124).

First Three-dimensional Reconstructions of Coronal Loops with the STEREO A+B Spacecraft. IV. Magnetic Modeling with Twisted Force-free Fields.

Aschwanden, M. J., Wuelser, J.-P., Nitta, N., Lemen, J.: 2012, Solar Physics 281, 101-119. doi: [10.1007/s11207-012-0092-8](https://doi.org/10.1007/s11207-012-0092-8).

Solar Stereoscopy with STEREO/EUVI A and B Spacecraft from Small (6°) to Large (170°) Spacecraft Separation Angles.

Aulanier, G., Janvier, M., Schmieder, B.: 2012, Astronomy and Astrophysics 543, AA110. doi: [10.1051/0004-6361/201219311](https://doi.org/10.1051/0004-6361/201219311).

The standard flare model in three dimensions. I. Strong-to-weak shear transition in post-flare loops.

Bein, B. M., Berkebile-Stoiser, S., Veronig, A. M., Temmer, M., Vrsnak, B.: 2012, The Astrophysical Journal 755, 44. doi:[10.1088/0004-637X/755/1/44](https://doi.org/10.1088/0004-637X/755/1/44).

Impulsive Acceleration of Coronal Mass Ejections. II. Relation to Soft X-Ray Flares and Filament Eruptions.

Belheouane, S., Zaslavsky, A., Meyer-Vernet, N., Issautier, K., Mann, I., Maksimovic, M.: 2012, Solar Physics 281, 501-506. doi:[10.1007/s11207-012-9995-7](https://doi.org/10.1007/s11207-012-9995-7).

Detection of Interstellar Dust with STEREO/WAVES at 1 AU.

Bemporad, A., Mierla, M., Tripathi, D.: 2012, Astronomy and Astrophysics 537, C1. doi: [10.1051/0004-6361/201016297e](https://doi.org/10.1051/0004-6361/201016297e).

Rotation of an erupting filament observed by STEREO EUVI and COR1 instruments (Corrigendum).

Bemporad, A., Zuccarello, F. P., Jacobs, C., Mierla, M., Poedts, S.: 2012, Solar Physics 281, 223-236. doi:[10.1007/s11207-012-9999-3](https://doi.org/10.1007/s11207-012-9999-3).

Study of Multiple Coronal Mass Ejections at Solar Minimum Conditions.

Bewsher, D., Brown, D. S., Eyles, C. J.: 2012, Solar Physics 276, 491-499. doi:[10.1007/s11207-011-9874-7](https://doi.org/10.1007/s11207-011-9874-7).

Long-Term Evolution of the Photometric Calibration of the STEREO Heliospheric Imagers: I. HI-1.

Bi, Y., Jiang, Y., Li, H., Hong, J., Zheng, R.: 2012, The Astrophysical Journal 758, 42. doi: [10.1088/0004-637X/758/1/42](https://doi.org/10.1088/0004-637X/758/1/42).

Eruption of a Solar Filament Consisting of Two Threads.

Bosman, E., Bothmer, V., Nisticò, G., Vourlidas, A., Howard, R. A., Davies, J. A.: 2012, Solar Physics 281, 167-185. doi:[10.1007/s11207-012-0123-5](https://doi.org/10.1007/s11207-012-0123-5).

Three-Dimensional Properties of Coronal Mass Ejections from STEREO/SECCHI Observations.

Bousquet, P. W., Gaboriaud, A., Gaudon, P., Laude, P., Chiavassa, F., Rocard, F.: 2012, Acta Astronautica 81, 358-368. doi:[10.1016/j.actaastro.2012.06.018](https://doi.org/10.1016/j.actaastro.2012.06.018).

French instruments for in-situ missions: Past, present and future.

Boutry, C., Buchlin, E., Vial, J.-C., Régnier, S.: 2012, The Astrophysical Journal 752, 13. doi:[10.1088/0004-637X/752/1/13](https://doi.org/10.1088/0004-637X/752/1/13).

Flows at the Edge of an Active Region: Observation and Interpretation.

Breneman, A., Cattell, C., Wygant, J., Kersten, K., Wilson, L. B., III, Dai, L., Colpitts, C., Kellogg, P. J., Goetz, K., Paradise, A.: 2012, Journal of Geophysical Research (Space Physics) 117, A04317. doi:[10.1029/2011JA017425](https://doi.org/10.1029/2011JA017425).

Explaining polarization reversals in STEREO wave data.

Bucík, R., Mall, U., Korth, A., Mason, G. M.: 2012, Solar Physics 281, 411-422. doi:[10.1007/s11207-012-0094-6](https://doi.org/10.1007/s11207-012-0094-6).

Abundances of Suprathermal Heavy Ions in CIRs During the Minimum of Solar Cycle 23.

Byrne, J. P., Morgan, H., Habbal, S. R., Gallagher, P. T.: 2012, The Astrophysical Journal 752, 145. doi:[10.1088/0004-637X/752/2/145](https://doi.org/10.1088/0004-637X/752/2/145).

Automatic Detection and Tracking of Coronal Mass Ejections. II. Multiscale Filtering of Coronagraph Images.

Carley, E. P., McAteer, R. T. J., Gallagher, P. T.: 2012, The Astrophysical Journal 752, 36. doi:[10.1088/0004-637X/752/1/36](https://doi.org/10.1088/0004-637X/752/1/36).

Coronal Mass Ejection Mass, Energy, and Force Estimates Using STEREO.

Chifu, I., Inhester, B., Mierla, M., Chifu, V., Wiegmann, T.: 2012, Solar Physics 281, 121-135. doi:[10.1007/s11207-012-0107-5](https://doi.org/10.1007/s11207-012-0107-5).

First 4D Reconstruction of an Eruptive Prominence Using Three Simultaneous View Directions.

Chollet, E. E., Mewaldt, R. A.: 2012, Solar Physics 281, 449-459. doi:[10.1007/s11207-012-0082-x](https://doi.org/10.1007/s11207-012-0082-x).
Heliospheric Transport of Neutron-Decay Protons.

Colaninno, R.: 2012, George Mason University, PhD. doi:

Investigation of the Forces that Govern the Three-Dimensional Propagation and Expansion of Coronal Mass Ejections from Sun to Earth.

Curdt, W., Tian, H., Kamio, S.: 2012, Solar Physics 280, 417-424. doi:[10.1007/s11207-012-9940-9](https://doi.org/10.1007/s11207-012-9940-9).
Explosive Events: Swirling Transition Region Jets.

Dai, Y., Ding, M. D., Chen, P. F., Zhang, J.: 2012, The Astrophysical Journal 759, 55. doi:[10.1088/0004-637X/759/1/55](https://doi.org/10.1088/0004-637X/759/1/55).

Quadrature Observations of Wave and Non-wave Components and their Decoupling in an Extreme-ultraviolet Wave Event.

Davies, J. A., Harrison, R. A., Perry, C. H., Möstll, C., Lugaz, N., Rollett, T., Davis, C. J., Crothers, S. R., Temmer, M., Eyles, C. J., Savani, N. P.: 2012, The Astrophysical Journal 750, 23. doi:[10.1088/0004-637X/750/1/23](https://doi.org/10.1088/0004-637X/750/1/23).

A Self-similar Expansion Model for Use in Solar Wind Transient Propagation Studies.

Davis, C. J., Davies, J. A., Owens, M. J., Lockwood, M.: 2012, Space Weather 10, S02003. doi: [10.1029/2011SW000737](https://doi.org/10.1029/2011SW000737).

Predicting the arrival of high-speed solar wind streams at Earth using the STEREO Heliospheric Imagers.

Davis, C. J., Davies, J. A., St Cyr, O. C., Campbell-Brown, M., Skelt, A., Kaiser, M., Meyer-Vernet, N., Crothers, S., Lintott, C., Smith, A., Bamford, S., Baeten, E. M. L.: 2012, Monthly Notices of the Royal Astronomical Society 420, 1355-1366. doi:10.1111/j.1365-2966.2011.20125.x.

The distribution of interplanetary dust between 0.96 and 1.04 au as inferred from impacts on the STEREO spacecraft observed by the heliospheric imagers.

de Patoul, J.: 2012, Ph.D. Thesis, Technical University of Braunschweig. doi:..
Stereoscopy and Tomography of Coronal Structures.

DeForest, C. E., Howard, T. A., McComas, D. J.: 2012, The Astrophysical Journal 745, 36. doi: [10.1088/0004-637X/745/1/36](https://doi.org/10.1088/0004-637X/745/1/36).

Disconnecting Open Solar Magnetic Flux.

Dotson, Brandon, N.: 2012, Thesis (M.S.) California Institute of Technology. doi:..
Characteristics of Anisotropic Solar Proton Events.

Dresing, N., Gómez-Herrero, R., Klassen, A., Heber, B., Kartavykh, Y., Dröge, W.: 2012, Solar Physics 281, 281-300. doi:10.1007/s11207-012-0049-y.

The Large Longitudinal Spread of Solar Energetic Particles During the 17 January 2010 Solar Event.

Drews, C., Berger, L., Wimmer-Schweingruber, R. F., Bochsler, P., Galvin, A. B., Klecker, B., Möbius, E.: 2012, Journal of Geophysical Research (Space Physics) 117, A09106. doi: [10.1029/2012JA017746](https://doi.org/10.1029/2012JA017746).

Inflow direction of interstellar neutrals deduced from pickup ion measurements at 1 AU.

Dwivedi, B. N., Srivastava, A. K., Kumar, M., Kumar, P.: 2012, New Astronomy 17, 542-551. doi: [10.1016/j.newast.2011.10.004](https://doi.org/10.1016/j.newast.2011.10.004).

A multiwavelength study of an M-class flare and the origin of an associated eruption from NOAA AR 11045.

Ebert, R. W., Dayeh, M. A., Desai, M. I., Mason, G. M.: 2012, The Astrophysical Journal 749, 73. doi:10.1088/0004-637X/749/1/73.

Corotating Interaction Region Associated Suprathermal Helium Ion Enhancements at 1 AU: Evidence for Local Acceleration at the Compression Region Trailing Edge.

Ebert, R. W., Desai, M. I., Dayeh, M. A., Mason, G. M.: 2012, The Astrophysical Journal 754, LL30. doi:10.1088/2041-8205/754/2/L30.

Helium Ion Anisotropies in Corotating Interaction Regions at 1 AU.

Emslie, A. G., Dennis, B. R., Shih, A. Y., Chamberlin, P. C., Mewaldt, R. A., Moore, C. S., Share, G. H., Vourlidas, A., Welsch, B. T.: 2012, The Astrophysical Journal 759, 71. doi: [10.1088/0004-637X/759/1/71](https://doi.org/10.1088/0004-637X/759/1/71).

Global Energetics of Thirty-eight Large Solar Eruptive Events.

Eselevich, V., Eselevich, M.: 2012, *The Astrophysical Journal* 761, 68. doi:10.1088/0004-637X/761/1/68.

Disturbed Zone and Piston Shock Ahead of Coronal Mass Ejection.

Farrugia, C. J., Harris, B., Leitner, M., Möstll, C., Galvin, A. B., Simunac, K. D. C., Torbert, R. B., Temmer, M. B., Veronig, A. M., Erkaev, N. V., Szabo, A., Ogilvie, K. W., Luhmann, J. G., Osherovich, V. A.: 2012, *Solar Physics* 281, 461-489. doi:10.1007/s11207-012-0119-1.

Deep Solar Activity Minimum 2007 - 2009: Solar Wind Properties and Major Effects on the Terrestrial Magnetosphere.

Feng, L., Inhester, B., de Patoul, J., Wiegelmans, T., Gan, W. Q.: 2012, *Astronomy and Astrophysics* 538, AA34. doi:10.1051/0004-6361/201117071.

Particle kinetic analysis of a polar jet from SECCHI COR data.

Feng, L., Inhester, B., Wei, Y., Gan, W. Q., Zhang, T. L., Wang, M. Y.: 2012, *The Astrophysical Journal* 751, 18. doi:10.1088/0004-637X/751/1/18.

Morphological Evolution of a Three-dimensional Coronal Mass Ejection Cloud Reconstructed from Three Viewpoints.

Feng, S. W., Chen, Y., Kong, X. L., Li, G., Song, H. Q., Feng, X. S., Liu, Y.: 2012, *The Astrophysical Journal* 753, 21. doi:10.1088/0004-637X/753/1/21.

Radio Signatures of Coronal-mass-ejection-Streamer Interaction and Source Diagnostics of Type II Radio Burst.

Frazin, R. A.: 2012, *The Astrophysical Journal* 761, 24. doi:10.1088/0004-637X/761/1/24.

Coronal Mass Ejection Reconstruction from Three Viewpoints via Simulation Morphing. I. Theory and Examples.

Frazin, R. A., Vásquez, A. M., Thompson, W. T., Hewett, R. J., Lamy, P., Llebaria, A., Vourlidas, A., Burkepile, J.: 2012, *Solar Physics* 280, 273-293. doi:10.1007/s11207-012-0028-3.

Intercomparison of the LASCO-C2, SECCHI-COR1, SECCHI-COR2, and Mk4 Coronagraphs.

Gopalswamy, N., Makela, P., Yashiro, S., Davila, J. M.: 2012, *Sun and Geosphere* 7, 7-11. doi:..
The Relationship Between the Expansion Speed and Radial Speed of CMEs Confirmed Using Quadrature Observations of the 2011 February 15 CME.

Gosain, S., Foulon, C.: 2012, *The Astrophysical Journal* 761, 103. doi:10.1088/0004-637X/761/2/103.

Dual Trigger of Transverse Oscillations in a Prominence by EUV Fast and Slow Coronal Waves: SDO/AIA and STEREO/EUVI Observations.

Gosain, S., Schmieder, B., Artzner, G., Bogachev, S., Török, T.: 2012, *The Astrophysical Journal* 761, 25. doi:10.1088/0004-637X/761/1/25.

A Multi-spacecraft View of a Giant Filament Eruption during 2009 September 26/27.

Graham, D. B., Cairns, I. H., Malaspina, D. M., Ergun, R. E.: 2012, *The Astrophysical Journal* 753, LL18. doi:10.1088/2041-8205/753/1/L18.

Evidence against the Oscillating Two-stream Instability and Spatial Collapse of Langmuir Waves in Solar Type III Radio Bursts.

Graham, D. B., Cairns, I. H., Prabhakar, D. R., Ergun, R. E., Malaspina, D. M., Bale, S. D., Goetz, K., Kellogg, P. J.: 2012, Journal of Geophysical Research (Space Physics) 117, A09107. doi: [10.1029/2012JA018033](https://doi.org/10.1029/2012JA018033).

Do Langmuir wave packets in the solar wind collapse?

Harrison, R. A., Davies, J. A., Möstll, C., Liu, Y., Temmer, M., Bisi, M. M., Eastwood, J. P., de Koning, C. A., Nitta, N., Rollett, T., Farrugia, C. J., Forsyth, R. J., Jackson, B. V., Jensen, E. A., Kilpua, E. K. J., Odstrcil, D., Webb, D. F.: 2012, The Astrophysical Journal 750, 45. doi: [10.1088/0004-637X/750/1/45](https://doi.org/10.1088/0004-637X/750/1/45).

An Analysis of the Origin and Propagation of the Multiple Coronal Mass Ejections of 2010 August 1.

Howard, T. A., DeForest, C. E.: 2012, The Astrophysical Journal 746, 64. doi: [10.1088/0004-637X/746/1/64](https://doi.org/10.1088/0004-637X/746/1/64).

Inner Heliospheric Flux Rope Evolution via Imaging of Coronal Mass Ejections.

Howard, T. A., DeForest, C. E.: 2012, The Astrophysical Journal 752, 130. doi: [10.1088/0004-637X/752/2/130](https://doi.org/10.1088/0004-637X/752/2/130).

The Thomson Surface. I. Reality and Myth.

Howard, T. A., DeForest, C. E., Reinard, A. A.: 2012, The Astrophysical Journal 754, 102. doi: [10.1088/0004-637X/754/2/102](https://doi.org/10.1088/0004-637X/754/2/102).

White-light Observations of Solar Wind Transients and Comparison with Auxiliary Data Sets.

Huang, Z., Frazin, R. A., Landi, E., Manchester, W. B., Vásquez, A. M., Gombosi, T. I.: 2012, The Astrophysical Journal 755, 86. doi: [10.1088/0004-637X/755/2/86](https://doi.org/10.1088/0004-637X/755/2/86).

Newly Discovered Global Temperature Structures in the Quiet Sun at Solar Minimum.

Iwai, K., Miyoshi, Y., Masuda, S., Shimojo, M., Shiota, D., Inoue, S., Tsuchiya, F., Morioka, A., Misawa, H.: 2012, The Astrophysical Journal 744, 167. doi: [10.1088/0004-637X/744/2/167](https://doi.org/10.1088/0004-637X/744/2/167).

Solar Radio Type-I Noise Storm Modulated by Coronal Mass Ejections.

Jin, M., Manchester, W. B., van der Holst, B., Gruesbeck, J. R., Frazin, R. A., Landi, E., Vasquez, A. M., Lamy, P. L., Llebaria, A., Fedorov, A., Toth, G., Gombosi, T. I.: 2012, The Astrophysical Journal 745, 6. doi: [10.1088/0004-637X/745/1/6](https://doi.org/10.1088/0004-637X/745/1/6).

A Global Two-temperature Corona and Inner Heliosphere Model: A Comprehensive Validation Study.

Kajdic, P., Blanco-Cano, X., Aguilar-Rodriguez, E., Russell, C. T., Jian, L. K., Luhmann, J. G.: 2012, Journal of Geophysical Research (Space Physics) 117, A06103. doi: [10.1029/2011JA017381](https://doi.org/10.1029/2011JA017381).
Waves upstream and downstream of interplanetary shocks driven by coronal mass ejections.

Kilpua, E. K. J., Jian, L. K., Li, Y., Luhmann, J. G., Russell, C. T.: 2012, Solar Physics 281, 391-409. doi: [10.1007/s11207-012-9957-0](https://doi.org/10.1007/s11207-012-9957-0).

Observations of ICMEs and ICME-like Solar Wind Structures from 2007 - 2010 Using Near-Earth and STEREO Observations.

Kilpua, E. K. J., Li, Y., Luhmann, J. G., Jian, L. K., Russell, C. T.: 2012, Annales Geophysicae 30, 1037-1050. doi: [10.5194/angeo-30-1037-2012](https://doi.org/10.5194/angeo-30-1037-2012).

On the relationship between magnetic cloud field polarity and geoeffectiveness.

Kilpua, E. K. J., Mierla, M., Rodriguez, L., Zhukov, A. N., Srivastava, N., West, M. J.: 2012, Solar Physics 279, 477-496. doi: [10.1007/s11207-012-0005-x](https://doi.org/10.1007/s11207-012-0005-x).

Estimating Travel Times of Coronal Mass Ejections to 1 AU Using Multi-spacecraft Coronagraph Data.

- Klassen, A., Gómez-Herrero, R., Heber, B., Kartavykh, Y., Dröge, W., Klein, K.-L.: 2012, *Astronomy and Astrophysics*, 542, A28. doi:[10.1051/0004-6361/201118626](https://doi.org/10.1051/0004-6361/201118626).
Solar origin of in-situ near-relativistic electron spikes observed with SEPT/STEREO.
- Kliem, B., Török, T., Thompson, W. T.: 2012, *Solar Physics* 281, 137-166. doi:[10.1007/s11207-012-9990-z](https://doi.org/10.1007/s11207-012-9990-z).
A Parametric Study of Erupting Flux Rope Rotation. Modeling the "Cartwheel CME" on 9 April 2008.
- Koleva, K., Madjarska, M. S., Duchlev, P., Schrijver, C. J., Vial, J.-C., Buchlin, E., Dechev, M.: 2012, *Astronomy and Astrophysics* 540, AA127. doi:[10.1051/0004-6361/201118588](https://doi.org/10.1051/0004-6361/201118588).
Kinematics and helicity evolution of a loop-like eruptive prominence.
- Kong, X. L., Chen, Y., Li, G., Feng, S. W., Song, H. Q., Guo, F., Jiao, F. R.: 2012, *The Astrophysical Journal* 750, 158. doi:[10.1088/0004-637X/750/2/158](https://doi.org/10.1088/0004-637X/750/2/158).
A Broken Solar Type II Radio Burst Induced by a Coronal Shock Propagating across the Streamer Boundary.
- Krista, L. D.: 2012, Thesis (Ph.D.), Trinity College, Dublin. doi:
The Evolution and Space Weather Effects of Solar Coronal Holes.
- Krupar, V.: 2012, PHD Thesis, Charles University, Prauge, L'Observatoire de Paris. doi:
Stereoscopic Observations of Solar Radio Emissions by the S/Waves Instrument onboard the STEREO Spacecraft.
- Krupar, V., Santolik, O., Cecconi, B., Maksimovic, M., Bonnin, X., Panchenko, M., Zaslavsky, A.: 2012, *Journal of Geophysical Research (Space Physics)* 117, A06101. doi:[10.1029/2011JA017333](https://doi.org/10.1029/2011JA017333).
Goniopolarimetric inversion using SVD: An application to type III radio bursts observed by STEREO.
- Kwon, R.-Y., Chae, J., Davila, J. M., Zhang, J., Moon, Y.-J., Poomvises, W., Jones, S. I.: 2012, *The Astrophysical Journal* 757, 167. doi:[10.1088/0004-637X/757/2/167](https://doi.org/10.1088/0004-637X/757/2/167).
Three-dimensional Structure and Evolution of Extreme-ultraviolet Bright Points Observed by STEREO/SECCHI/EUVI.
- Lai, H. R., Russell, C. T., Jian, L. K., Blanco-Cano, X., Anderson, B. J., Luhmann, J. G., Wennmacher, A.: 2012, *Solar Physics* 278, 421-433. doi:[10.1007/s11207-012-9955-2](https://doi.org/10.1007/s11207-012-9955-2).
The Radial Variation of Interplanetary Shocks in the Inner Heliosphere: Observations by Helios, MESSENGER, and STEREO.
- Lamy, L., Prangé, R., Hansen, K.C., Clarke, J.T., Zarka, P., Cecconi, B., Aboudarham, J., André N., Granduardi-Raymont, G., Gladstone, R., Barthélémy, M., Achilleos, N., Guio, P., Dougherty, M., Melin, H., Cowley, S.W.H., Stallard, T., Nichols, J.D., Ballester, G.: 2012, *Geophysical Research Letters* 39, L07105. doi:[10.1029/2012GL051312](https://doi.org/10.1029/2012GL051312).
Earth-based detection of Uranus' aurorae.
- Lee, M. A., Mewaldt, R. A., Giacalone, J.: 2012, *Space Science Reviews* 173, 247-281. doi:[10.1007/s11214-012-9932-y](https://doi.org/10.1007/s11214-012-9932-y).
Shock Acceleration of Ions in the Heliosphere.
- Leske, R. A., Cohen, C. M. S., Mewaldt, R. A., Christian, E. R., Cummings, A. C., Labrador, A. W., Stone, E. C., Wiedenbeck, M. E., von Rosenvinge, T. T.: 2012, *Solar Physics* 281, 301-318. doi:[10.1007/s11207-012-0018-5](https://doi.org/10.1007/s11207-012-0018-5).
Large Proton Anisotropies in the 18 August 2010 Solar Particle Event.

Li, L. P., Zhang, J., Li, T., Yang, S. H., Zhang, Y. Z.: 2012, *Astronomy and Astrophysics* 539, AA7. doi:[10.1051/0004-6361/201015796](https://doi.org/10.1051/0004-6361/201015796).

Study of the first productive active region in solar cycle 24.

Li, T., Zhang, J.: 2012, *The Astrophysical Journal* 760, LL10. doi:[10.1088/2041-8205/760/1/L10](https://doi.org/10.1088/2041-8205/760/1/L10).
SDO/AIA Observations of Large-amplitude Longitudinal Oscillations in a Solar Filament.

Li, T., Zhang, J., Yang, S.-H., Liu, W.: 2012, *Research in Astronomy and Astrophysics* 12, 104-114. doi:[10.1088/1674-4527/12/1/009](https://doi.org/10.1088/1674-4527/12/1/009).

Kinematics and amplitude evolution of global coronal extreme ultraviolet waves.

Li, Y., Ding, M.-D.: 2012, *Research in Astronomy and Astrophysics* 12, 287-299. doi:[10.1088/1674-4527/12/3/005](https://doi.org/10.1088/1674-4527/12/3/005).

Interaction and eruption of two filaments observed by Hinode, SOHO, and STEREO.

Liewer, P. C., González Hernández, I., Hall, J. R., Thompson, W. T., Misrak, A.: 2012, *Solar Physics* 281, 3-20. doi:[10.1007/s11207-012-9932-9](https://doi.org/10.1007/s11207-012-9932-9).

Comparison of Far-Side STEREO Observations of Solar Activity and Active Region Predictions from GONG.

Liu, K., Wang, Y., Shen, C., Wang, S.: 2012, *The Astrophysical Journal* 744, 168. doi:[10.1088/0004-637X/744/2/168](https://doi.org/10.1088/0004-637X/744/2/168).

Critical Height for the Destabilization of Solar Prominences: Statistical Results from STEREO Observations.

Liu, R., Kliem, B., Török, T., Liu, C., Titov, V. S., Lionello, R., Linker, J. A., Wang, H.: 2012, *The Astrophysical Journal* 756, 59. doi:[10.1088/0004-637X/756/1/59](https://doi.org/10.1088/0004-637X/756/1/59).

Slow Rise and Partial Eruption of a Double-decker Filament. I. Observations and Interpretation.

Liu, R., Liu, C., Török, T., Wang, Y., Wang, H.: 2012, *The Astrophysical Journal* 757, 150. doi:[10.1088/0004-637X/757/2/150](https://doi.org/10.1088/0004-637X/757/2/150).

Contracting and Erupting Components of Sigmoidal Active Regions.

Liu, Y. D., Luhmann, J. G., Möstll, C., Martinez-Oliveros, J. C., Bale, S. D., Lin, R. P., Harrison, R. A., Temmer, M., Webb, D. F., Odstrcil, D.: 2012, *The Astrophysical Journal* 746, LL15. doi:[10.1088/2041-8205/746/2/L15](https://doi.org/10.1088/2041-8205/746/2/L15).

Interactions between Coronal Mass Ejections Viewed in Coordinated Imaging and in situ Observations.

Lugaz, N., Farrugia, C. J., Davies, J. A., Möstll, C., Davis, C. J., Roussev, I. I., Temmer, M.: 2012, *The Astrophysical Journal* 759, 68. doi:[10.1088/0004-637X/759/1/68](https://doi.org/10.1088/0004-637X/759/1/68).

The Deflection of the Two Interacting Coronal Mass Ejections of 2010 May 23-24 as Revealed by Combined in Situ Measurements and Heliospheric Imaging.

Lugaz, N., Kintner, P., Möstll, C., Jian, L. K., Davis, C. J., Farrugia, C. J.: 2012, *Solar Physics* 279, 497-515. doi:[10.1007/s11207-012-0007-8](https://doi.org/10.1007/s11207-012-0007-8).

Heliospheric Observations of STEREO-Directed Coronal Mass Ejections in 2008 - 2010: Lessons for Future Observations of Earth-Directed CMEs.

Malandraki, O. E., Agueda, N., Papaioannou, A., Klein, K.-L., Valtonen, E., Heber, B., Dröge, W., Aurass, H., Nindos, A., Vilmer, N., Sanahuja, B., Kouloumvakos, A., Braune, S., Preka-Papadema, P., Tziotziou, K., Hamadache, C., Kiener, J., Tatischeff, V., Riihonen, E., Kartavykh, Y., Rodríguez-Gasén, R., Vainio, R.: 2012, Solar Physics 281, 333-352. doi:[10.1007/s11207-012-0164-9](https://doi.org/10.1007/s11207-012-0164-9).
Scientific Analysis within SEP Server - New Perspectives in Solar Energetic Particle Research: The Case Study of the 13 July 2005 Event.

Malaspina, D. M., Cairns, I. H., Ergun, R. E.: 2012, The Astrophysical Journal 755, 45. doi:[10.1088/0004-637X/755/1/45](https://doi.org/10.1088/0004-637X/755/1/45).

Antenna Radiation near the Local Plasma Frequency by Langmuir Wave Eigenmodes.

Malaspina, D. M., Gosling, J. T.: 2012, Journal of Geophysical Research (Space Physics) 117, A04109. doi:[10.1029/2011JA017375](https://doi.org/10.1029/2011JA017375).

Two spacecraft observations of magnetic discontinuities in the solar wind with STEREO.

Maloney, Shane: 2012, Thesis (Ph.D.), Trinity College, Dublin. doi:
Propagation of Coronal Mass Ejections in the Inner Heliosphere.

Manchester, W. B., IV, van der Holst, B., Tóth, G., Gombosi, T. I.: 2012, The Astrophysical Journal 756, 81. doi:[10.1088/0004-637X/756/1/81](https://doi.org/10.1088/0004-637X/756/1/81).

The Coupled Evolution of Electrons and Ions in Coronal Mass Ejection-driven shocks.

Martínez-Oliveros, J. C., Lindsey, C., Bale, S. D., Krucker, S.: 2012, Solar Physics 279, 153-171. doi:[10.1007/s11207-012-0166-7](https://doi.org/10.1007/s11207-012-0166-7).

Determination of Electromagnetic Source Direction as an Eigenvalue Problem.

Martínez-Oliveros, J. C., Raftery, C. L., Bain, H. M., Liu, Y., Krupar, V., Bale, S., Krucker, S.: 2012, The Astrophysical Journal 748, 66. doi:[10.1088/0004-637X/748/1/66](https://doi.org/10.1088/0004-637X/748/1/66).

The 2010 August 1 Type II Burst: A CME-CME Interaction and its Radio and White-light Manifestations.

Matsui, Y., Yokoyama, T., Kitagawa, N., Imada, S.: 2012, The Astrophysical Journal 759, 15. doi:[10.1088/0004-637X/759/1/15](https://doi.org/10.1088/0004-637X/759/1/15).

Multi-wavelength Spectroscopic Observation of Extreme-ultraviolet Jet in AR 10960.

Matsui, Yuki: 2012, Thesis (MS), University of Tokyo. doi:

Multi-wavelength Spectroscopic Observations and Magnetohydrodynamic Simulations of Solar Coronal Jet.

Mewaldt, R. A.,Looper, M. D., Cohen, C. M. S., Haggerty, D. K., Labrador, A. W., Leske, R. A., Mason, G. M., Mazur, J. E., von Rosenvinge, T. T.: 2012, Space Science Reviews 171, 97-120. doi:[10.1007/s11214-012-9884-2](https://doi.org/10.1007/s11214-012-9884-2).

Energy Spectra, Composition, and Other Properties of Ground-Level Events During Solar Cycle 23.

Miyake, W.: 2012, International Journal of Astronomy and Astrophysics 2, 63-73. doi:[10.4236/ijaa.2012.22009](https://doi.org/10.4236/ijaa.2012.22009).

On the Predictive Ability of Geomagnetic Disturbances from Solar Wind Measurements at Separated Solar Longitude.

Moestl, C., Farrugia, C. J., Kilpua, E. K. J., Jian, L. K., Liu, Y., Eastwood, J. P., Harrison, R. A., Webb, D. F., Temmer, M., Odstrcil, D., Davies, J. A., Rollett, T., Luhmann, J. G., Nitta, N., Mulligan, T., Jensen, E. A., Forsyth, R., Lavraud, B., de Koning, C. A., Veronig, A. M., Galvin, A.

- B., Zhang, T. L., Anderson, B. J.: 2012, The Astrophysical Journal 758, 10. doi: [10.1088/0004-637X/758/1/10](https://doi.org/10.1088/0004-637X/758/1/10).
Multi-point Shock and Flux Rope Analysis of Multiple Interplanetary Coronal Mass Ejections around 2010 August 1 in the Inner Heliosphere.
- Morgan, H., Byrne, J. P., Habbal, S. R.: 2012, The Astrophysical Journal 752, 144. doi: [10.1088/0004-637X/752/2/144](https://doi.org/10.1088/0004-637X/752/2/144).
Automatically Detecting and Tracking Coronal Mass Ejections. I. Separation of Dynamic and Quiescent Components in Coronagraph Images.
- Nieves-Chinchilla, T., Colaninno, R., Vourlidas, A., Szabo, A., Lepping, R. P., Boardsen, S. A., Anderson, B. J., Korth, H.: 2012, Journal of Geophysical Research (Space Physics) 117, A06106. doi: [10.1029/2011JA017243](https://doi.org/10.1029/2011JA017243).
Remote and in situ observations of an unusual Earth-directed coronal mass ejection from multiple viewpoints.
- Nitta, N. V., Liu, Y., DeRosa, M. L., Nightingale, R. W.: 2012, Space Science Reviews 171, 61-83. doi: [10.1007/s11214-012-9877-1](https://doi.org/10.1007/s11214-012-9877-1).
What Are Special About Ground-Level Events? Flares, CMEs, Active Regions and Magnetic Field Connection.
- Oh, S. Y., Yi, Y.: 2012, Solar Physics 280, 197-204. doi: [10.1007/s11207-012-0053-2](https://doi.org/10.1007/s11207-012-0053-2).
A Simultaneous Forbush Decrease Associated with an Earthward Coronal Mass Ejection Observed by STEREO.
- Olmedo, O., Vourlidas, A., Zhang, J., Cheng, X.: 2012, The Astrophysical Journal 756, 143. doi: [10.1088/0004-637X/756/2/143](https://doi.org/10.1088/0004-637X/756/2/143).
Secondary Waves and/or the "Reflection" from and "Transmission" through a Coronal Hole of an Extreme Ultraviolet Wave Associated with the 2011 February 15 X2.2 Flare Observed with SDO/AIA and STEREO/EUVI.
- Orozco Suárez, D., Asensio Ramos, A., Trujillo Bueno, J.: 2012, The Astrophysical Journal 761, LL25. doi: [10.1088/2041-8205/761/2/L25](https://doi.org/10.1088/2041-8205/761/2/L25).
Evidence for Rotational Motions in the Feet of a Quiescent Solar Prominence.
- Pantellini, F., Belheouane, S., Meyer-Vernet, N., Zaslavsky, A.: 2012, Astrophysics and Space Science 341, 309-314. doi: [10.1007/s10509-012-1108-4](https://doi.org/10.1007/s10509-012-1108-4).
Nano dust impacts on spacecraft and boom antenna charging.
- Patsourakos, S., Vourlidas, A.: 2012, Solar Physics 281, 187-222. doi: [10.1007/s11207-012-9988-6](https://doi.org/10.1007/s11207-012-9988-6).
On the Nature and Genesis of EUV Waves: A Synthesis of Observations from SOHO, STEREO, SDO, and Hinode (Invited Review).
- Podesta, J. J., TenBarge, J. M.: 2012, Journal of Geophysical Research (Space Physics) 117, A10106. doi: [10.1029/2012JA017724](https://doi.org/10.1029/2012JA017724).
Scale dependence of the variance anisotropy near the proton gyroradius scale: Additional evidence for kinetic Alfvén waves in the solar wind at 1 AU.

Poomvisee, W., Gopalswamy, N., Yashiro, S., Kwon, R.-Y., Olmedo, O.: 2012, The Astrophysical Journal 758, 118. doi:[10.1088/0004-637X/758/2/118](https://doi.org/10.1088/0004-637X/758/2/118).

Determination of the Heliospheric Radial Magnetic Field from the Standoff Distance of a CME-driven Shock Observed by the STEREO Spacecraft.

Raftery, C. L.: 2012, Thesis (Ph.D.), Trinity College, Dublin. doi:
EUV and X-ray Spectroscopy of the Active Sun.

Ramírez Vélez, J. C., Blanco-Cano, X., Aguilar-Rodriguez, E., Russell, C. T., Kajdic, P., Jian, L. K., Luhmann, J. G.: 2012, Journal of Geophysical Research (Space Physics) 117, A11103. doi:[10.1029/2012JA017573](https://doi.org/10.1029/2012JA017573).

Whistler waves associated with weak interplanetary shocks.

Reeves, K. K., Gibson, S. E., Kucera, T. A., Hudson, H. S., Kano, R.: 2012, The Astrophysical Journal 746, 146. doi:[10.1088/0004-637X/746/2/146](https://doi.org/10.1088/0004-637X/746/2/146).

Thermal Properties of a Solar Coronal Cavity Observed with the X-Ray Telescope on Hinode.

Reinard, A. A., Lynch, B. J., Mulligan, T.: 2012, The Astrophysical Journal 761, 175. doi:[10.1088/0004-637X/761/2/175](https://doi.org/10.1088/0004-637X/761/2/175).

Composition Structure of Interplanetary Coronal Mass Ejections From Multispacecraft Observations, Modeling, and Comparison with Numerical Simulations.

Riley, P., Linker, J. A., Lionello, R., Mikic, Z.: 2012, Journal of Atmospheric and Solar-Terrestrial Physics 83, 1-10. doi:[10.1016/j.jastp.2011.12.013](https://doi.org/10.1016/j.jastp.2011.12.013).

Corotating interaction regions during the recent solar minimum: The power and limitations of global MHD modeling.

Rollett, T., Möstll, C., Temmer, M., Veronig, A. M., Farrugia, C. J., Biernat, H. K.: 2012, Solar Physics 276, 293-314. doi:[10.1007/s11207-011-9897-0](https://doi.org/10.1007/s11207-011-9897-0).

Constraining the Kinematics of Coronal Mass Ejections in the Inner Heliosphere with In-Situ Signatures.

Rouillard, A. P., Sheeley, N. R., Tylka, A., Vourlidas, A., Ng, C. K., Rakowski, C., Cohen, C. M. S., Mewaldt, R. A., Mason, G. M., Reames, D., Savani, N. P., St.Cyr, O. C., Szabo, A.: 2012, The Astrophysical Journal 752, 44. doi:[10.1088/0004-637X/752/1/44](https://doi.org/10.1088/0004-637X/752/1/44).

The Longitudinal Properties of a Solar Energetic Particle Event Investigated Using Modern Solar Imaging.

Ruffenach, A., Lavraud, B., Owens, M. J., Sauvaud, J.-A., Savani, N. P., Rouillard, A. P., Démoulin, P., Foullon, C., Opitz, A., Fedorov, A., Jacquey, C. J., Génot, V., Louarn, P., Luhmann, J. G., Russell, C. T., Farrugia, C. J., Galvin, A. B.: 2012, Journal of Geophysical Research (Space Physics) 117, A09101. doi:[10.1029/2012JA017624](https://doi.org/10.1029/2012JA017624).

Multispacecraft observation of magnetic cloud erosion by magnetic reconnection during propagation.

Savani, N. P., Davies, J. A., Davis, C. J., Shiota, D., Rouillard, A. P., Owens, M. J., Kusano, K., Bothmer, V., Bamford, S. P., Lintott, C. J., Smith, A.: 2012, Solar Physics 279, 517-535. doi:[10.1007/s11207-012-0041-6](https://doi.org/10.1007/s11207-012-0041-6).

Observational Tracking of the 2D Structure of Coronal Mass Ejections Between the Sun and 1 AU.

Savcheva, A. S., Green, L. M., van Ballegooijen, A. A., DeLuca, E. E.: 2012, The Astrophysical Journal 759, 105. doi:[10.1088/0004-637X/759/2/105](https://doi.org/10.1088/0004-637X/759/2/105).

Photospheric Flux Cancellation and the Build-up of Sigmoidal Flux Ropes on the Sun.

- Scott, J. T., Martens, P. C. H., McKenzie, D. E.: 2012, Solar Physics 276, 113-131. doi:[10.1007/s11207-011-9885-4](https://doi.org/10.1007/s11207-011-9885-4).
EUV Analysis of a Quasi-static Coronal Loop Structure.
- Sekanina, Z., Chodas, P. W.: 2012, The Astrophysical Journal 757, 127. doi:[10.1088/0004-637X/757/2/127](https://doi.org/10.1088/0004-637X/757/2/127).
Comet C/2011 W3 (Lovejoy): Orbit Determination, Outbursts, Disintegration of Nucleus, Dust-tail Morphology, and Relationship to New Cluster of Bright Sungrazers.
- Selwa, M., Poedts, S., DeVore, C. R.: 2012, The Astrophysical Journal 747, LL21. doi:[10.1088/2041-8205/747/2/L21](https://doi.org/10.1088/2041-8205/747/2/L21).
Dome-shaped EUV Waves from Rotating Active Regions.
- Shearer, P., Frazin, R. A., Hero, A. O., III, Gilbert, A. C.: 2012, The Astrophysical Journal, 749, L8. doi:[10.1088/2041-8205/749/1/L8](https://doi.org/10.1088/2041-8205/749/1/L8).
The First Stray Light Corrected Extreme-ultraviolet Images of Solar Coronal Holes.
- Shen, Y., Liu, Y., Su, J.: 2012, The Astrophysical Journal 750, 12. doi:[10.1088/0004-637X/750/1/12](https://doi.org/10.1088/0004-637X/750/1/12).
Sympathetic Partial and Full Filament Eruptions Observed in One Solar Breakout Event.
- Simunac, K. D. C., Galvin, A. B., Farrugia, C. J., Kistler, L. M., Kucharek, H., Lavraud, B., Liu, Y. C.-M., Luhmann, J. G., Ogilvie, K. W., Opitz, A., Popecki, M. A., Sauvaud, J.-A., Wang, S.: 2012, Solar Physics 281, 423-447. doi:[10.1007/s11207-012-0156-9](https://doi.org/10.1007/s11207-012-0156-9).
The Heliospheric Plasma Sheet Observed in situ by Three Spacecraft over Four Solar Rotations.
- Song, H.-Q., Chen, Y., Li, G., Kong, X.-L., Feng, S.-W.: 2012, Physical Review X 2, 021015. doi:[10.1103/PhysRevX.2.021015](https://doi.org/10.1103/PhysRevX.2.021015).
Coalescence of Macroscopic Magnetic Islands and Electron Acceleration from STEREO Observation.
- Sterling, A. C., Moore, R. L., Hara, H.: 2012, The Astrophysical Journal 761, 69. doi:[10.1088/0004-637X/761/1/69](https://doi.org/10.1088/0004-637X/761/1/69).
Observations from SDO, Hinode, and STEREO of a Twisting and Writhing Start to a Solar-filament-eruption Cascade.
- Su, Y., Dennis, B. R., Holman, G. D., Wang, T., Chamberlin, P. C., Savage, S., Veronig, A.: 2012, The Astrophysical Journal 746, LL5. doi:[10.1088/2041-8205/746/1/L5](https://doi.org/10.1088/2041-8205/746/1/L5).
Observations of a Two-stage Solar Eruptive Event (SEE): Evidence for Secondary Heating.
- Su, Y., van Ballegooijen, A.: 2012, The Astrophysical Journal 757, 168. doi:[10.1088/0004-637X/757/2/168](https://doi.org/10.1088/0004-637X/757/2/168).
Observations and Magnetic Field Modeling of a Solar Polar Crown Prominence.
- Su, Y., Wang, T., Veronig, A., Temmer, M., Gan, W.: 2012, The Astrophysical Journal 756, LL41. doi:[10.1088/2041-8205/756/2/L41](https://doi.org/10.1088/2041-8205/756/2/L41).
Solar Magnetized "Tornadoes": Relation to Filaments.
- Subramanian, P., Lara, A., Borgazzi, A.: 2012, Geophysical Research Letters 39, L19107. doi:[10.1029/2012GL053625](https://doi.org/10.1029/2012GL053625).
Can solar wind viscous drag account for coronal mass ejection deceleration?

Subramanian, S., Madjarska, M. S., Doyle, J. G., Bewsher, D.: 2012, *Astronomy and Astrophysics* 538, AA50. doi:[10.1051/0004-6361/201117877](https://doi.org/10.1051/0004-6361/201117877).

What is the true nature of blinkers?

Sun, X., Hoeksema, J. T., Liu, Y., Chen, Q., Hayashi, K.: 2012, *The Astrophysical Journal* 757, 149. doi:[10.1088/0004-637X/757/2/149](https://doi.org/10.1088/0004-637X/757/2/149).

A Non-radial Eruption in a Quadrupolar Magnetic Configuration with a Coronal Null.

Takasao, S., Asai, A., Isobe, H., Shibata, K.: 2012, *The Astrophysical Journal* 745, LL6. doi:[10.1088/2041-8205/745/1/L6](https://doi.org/10.1088/2041-8205/745/1/L6).

Simultaneous Observation of Reconnection Inflow and Outflow Associated with the 2010 August 18 Solar Flare.

Tang, C. L., Song, S. Q.: 2012, *Solar Physics* 279, 537-550. doi:[10.1007/s11207-012-0015-8](https://doi.org/10.1007/s11207-012-0015-8).

Mirror Mode Waves Downstream of a Stream Interaction Region Forward Shock near 1 AU.

Temmer, M., Vrsnak, B., Rollett, T., Bein, B., de Koning, C. A., Liu, Y., Bosman, E., Davies, J. A., Möstll, C., Zic, T., Veronig, A. M., Bothmer, V., Harrison, R., Nitta, N., Bisi, M., Flor, O., Eastwood, J., Odstrcil, D., Forsyth, R.: 2012, *The Astrophysical Journal* 749, 57. doi:[10.1088/0004-637X/749/1/57](https://doi.org/10.1088/0004-637X/749/1/57).

Characteristics of Kinematics of a Coronal Mass Ejection during the 2010 August 1 CME-CME Interaction Event.

Thejappa, G., MacDowall, R. J., Bergamo, M.: 2012, *The Astrophysical Journal* 745, 187. doi:[10.1088/0004-637X/745/2/187](https://doi.org/10.1088/0004-637X/745/2/187).

Emission Patterns of Solar Type III Radio Bursts: Stereoscopic Observations.

Thejappa, G., MacDowall, R. J., Bergamo, M.: 2012, *Journal of Geophysical Research (Space Physics)* 117, A08111. doi:[10.1029/2012JA017695](https://doi.org/10.1029/2012JA017695).

In situ detection of strong Langmuir turbulence processes in solar type III radio bursts.

Thejappa, G., MacDowall, R. J., Bergamo, M.: 2012, *Geophysical Research Letters* 39, L05103. doi:[10.1029/2012GL051017](https://doi.org/10.1029/2012GL051017).

Phase coupling in Langmuir wave packets: Evidence of four wave interactions in solar type III radio bursts.

Thejappa, G., MacDowall, R. J., Bergamo, M., Papadopoulos, K.: 2012, *The Astrophysical Journal* 747, LL1. doi:[10.1088/2041-8205/747/1/L1](https://doi.org/10.1088/2041-8205/747/1/L1).

Evidence for the Oscillating Two Stream Instability and Spatial Collapse of Langmuir Waves in a Solar Type III Radio Burst.

Thompson, W. T., Kliem, B., Török, T.: 2012, *Solar Physics* 276, 241-259. doi:[10.1007/s11207-011-9868-5](https://doi.org/10.1007/s11207-011-9868-5).

3D Reconstruction of a Rotating Erupting Prominence.

Titov, V. S., Mikic, Z., Török, T., Linker, J. A., Panasenco, O.: 2012, *The Astrophysical Journal* 759, 70. doi:[10.1088/0004-637X/759/1/70](https://doi.org/10.1088/0004-637X/759/1/70).

2010 August 1-2 Sympathetic Eruptions. I. Magnetic Topology of the Source-surface Background Field.

Ugarte-Urra, I., Warren, H. P.: 2012, *The Astrophysical Journal* 761, 21. doi:[10.1088/0004-637X/761/1/21](https://doi.org/10.1088/0004-637X/761/1/21).

Is Active Region Core Variability Age Dependent?

van Driel-Gesztelyi, L., Culhane, J. L., Baker, D., Démoulin, P., Mandrini, C. H., DeRosa, M. L., Rouillard, A. P., Opitz, A., Stenborg, G., Vourlidas, A., Brooks, D. H.: 2012, Solar Physics 281, 237-262. doi:[10.1007/s11207-012-0076-8](https://doi.org/10.1007/s11207-012-0076-8).

Magnetic Topology of Active Regions and Coronal Holes: Implications for Coronal Outflows and the Solar Wind.

Vemareddy, P., Maurya, R. A., Ambastha, A.: 2012, Solar Physics 277, 337-354. doi:[10.1007/s11207-011-9903-6](https://doi.org/10.1007/s11207-011-9903-6).

Filament Eruption in NOAA 11093 Leading to a Two-Ribbon M1.0 Class Flare and CME.

Vourlidas, A., Syntelis, P., Tsinganos, K.: 2012, Solar Physics 280, 509-523. doi:[10.1007/s11207-012-9933-8](https://doi.org/10.1007/s11207-012-9933-8).

Uncovering the Birth of a Coronal Mass Ejection from Two-Viewpoint SECCHI Observations.

Wang, L., Lin, R. P., Salem, C., Pulupa, M., Larson, D. E., Yoon, P. H., Luhmann, J. G.: 2012, The Astrophysical Journal 753, LL23. doi:[10.1088/2041-8205/753/1/L23](https://doi.org/10.1088/2041-8205/753/1/L23).

Quiet-time Interplanetary ~2-20 keV Superhalo Electrons at Solar Minimum.

Wang, T., Ofman, L., Davila, J. M., Su, Y.: 2012, The Astrophysical Journal 751, LL27. doi:[10.1088/2041-8205/751/2/L27](https://doi.org/10.1088/2041-8205/751/2/L27).

Growing Transverse Oscillations of a Multistranded Loop Observed by SDO/AIA.

Watanabe, T., Hara, H., Sterling, A. C., Harra, L. K.: 2012, Solar Physics 281, 87-99. doi:[10.1007/s11207-012-0079-5](https://doi.org/10.1007/s11207-012-0079-5).

Production of High-Temperature Plasmas During the Early Phases of a C9.7 Flare. II. Bi-directional Flows Suggestive of Reconnection in a Pre-flare Brightening Region.

Webb, D. F., Howard, T. A.: 2012, Living Reviews in Solar Physics 9, 3. doi:[10.12942/lrsp-2012-3](https://doi.org/10.12942/lrsp-2012-3).
Coronal Mass Ejections: Observations.

Wei, Y., Fraenz, M., Dubinin, E., Coates, A. J., Zhang, T. L., Wan, W., Feng, L., Angsmann, A., Opitz, A., Woch, J., Barabash, S., Lundin, R.: 2012, Planetary and Space Science 73, 254-261. doi:[10.1016/j.pss.2012.08.024](https://doi.org/10.1016/j.pss.2012.08.024).

A teardrop-shaped ionosphere at Venus in tenuous solar wind.

Wei, Y., Fraenz, M., Dubinin, E., Woch, J., Luhr, H., Wan, W., Zong, Q.-G., Zhang, T. L., Pu, Z. Y., Fu, S. Y., Barabash, S., Lundin, R., Dandouras, I.: 2012, Journal of Geophysical Research (Space Physics) 117, A03208. doi:[10.1029/2011JA017340](https://doi.org/10.1029/2011JA017340).

Enhanced atmospheric oxygen outflow on Earth and Mars driven by a corotating interaction region.

White, R. S., Verwichte, E.: 2012, Astronomy and Astrophysics 537, AA49. doi:[10.1051/0004-6361/201118093](https://doi.org/10.1051/0004-6361/201118093).

Transverse coronal loop oscillations seen in unprecedented detail by AIA/SDO.

White, R. S., Verwichte, E., Foullon, C.: 2012, Astronomy and Astrophysics 545, AA129. doi:[10.1051/0004-6361/201219856](https://doi.org/10.1051/0004-6361/201219856).

First observation of a transverse vertical oscillation during the formation of a hot post-flare loop.

Williams, Anthony Owen: 2012, Thesis (Ph.D.), University of Leicester. doi:
Analysing the Motion of Solar Wind Transients Using Stereo/HI Observations.

Wood, B. E., Rouillard, A. P., Möstll, C., Battams, K., Savani, N. P., Marubashi, K., Howard, R. A., Socker, D. G.: 2012, Solar Physics 281, 369-389. doi:[10.1007/s11207-012-0036-3](https://doi.org/10.1007/s11207-012-0036-3).

Connecting Coronal Mass Ejections and Magnetic Clouds: A Case Study Using an Event from 22 June 2009.

Wood, B. E., Wu, C.-C., Rouillard, A. P., Howard, R. A., Socker, D. G.: 2012, The Astrophysical Journal 755, 43. doi:[10.1088/0004-637X/755/1/43](https://doi.org/10.1088/0004-637X/755/1/43).

A Coronal Hole's Effects on Coronal Mass Ejection Shock Morphology in the Inner Heliosphere.

Wraight, K. T., Bewsher, D., White, G. J., Nowotny, W., Norton, A. J., Paladini, C.: 2012, Monthly Notices of the Royal Astronomical Society 426, 816-832. doi:[10.1111/j.1365-2966.2012.21445.x](https://doi.org/10.1111/j.1365-2966.2012.21445.x).
STEREO observations of long period variables.

Wraight, K. T., Fossati, L., Netopil, M., Paunzen, E., Rode-Paunzen, M., Bewsher, D., Norton, A. J., White, G. J.: 2012, Monthly Notices of the Royal Astronomical Society 420, 757-772. doi:[10.1111/j.1365-2966.2011.20090.x](https://doi.org/10.1111/j.1365-2966.2011.20090.x).

A photometric study of chemically peculiar stars with the STEREO satellites - I. Magnetic chemically peculiar stars.

Wraight, K. T., Fossati, L., White, G. J., Norton, A. J., Bewsher, D.: 2012, Monthly Notices of the Royal Astronomical Society 427, 2298-2307. doi:[10.1111/j.1365-2966.2012.22102.x](https://doi.org/10.1111/j.1365-2966.2012.22102.x).

Bright low mass eclipsing binary candidates observed by STEREO.

Xie, H., Odstrcil, D., Mays, L., St. Cyr, O. C., Gopalswamy, N., Cremades, H.: 2012, Journal of Geophysical Research (Space Physics) 117, A04105. doi:[10.1029/2011JA017304](https://doi.org/10.1029/2011JA017304).

Understanding shock dynamics in the inner heliosphere with modeling and Type II radio data: The 2010-04-03 event.

Yang, S. H.: 2012, Acta Astronomica Sinica 53, 540-541. doi:
Distribution and Evolution of Vector Magnetic Fields in Coronal Holes.

Yoon, P. H., Ziebell, L. F., Gaelzer, R., Lin, R. P., Wang, L.: 2012, Space Science Reviews 173, 459-489. doi:[10.1007/s11214-012-9867-3](https://doi.org/10.1007/s11214-012-9867-3).

Langmuir Turbulence and Suprathermal Electrons.

Young, P. R., O'Dwyer, B., Mason, H. E. : 2012, The Astrophysical Journal 744, 14. doi:
[10.1088/0004-637X/744/1/14](https://doi.org/10.1088/0004-637X/744/1/14).

Velocity Measurements for a Solar Active Region Fan Loop from Hinode/EIS Observations.

Zarka, P. J.-L. Bougeret, C. Briand, B. Ceccon, H. Falcke, J. Girard, J.-M. Griessmeier, S. Hess, M. Klein-Wolt, A. Konovalenko, L. Lamy, D. Mimoun: 2012, Planetary and Space Science 74, 156-166. doi:[10.1016/j.pss.2012.08.004](https://doi.org/10.1016/j.pss.2012.08.004).

Planetary and Exoplanetary Low Frequency Radio Observations from the Moon.

Zaslavsky, A., Meyer-Vernet, N., Mann, I., Czechowski, A., Issautier, K., Le Chat, G., Pantellini, F., Goetz, K., Maksimovic, M., Bale, S. D., Kasper, J. C.: 2012, Journal of Geophysical Research (Space Physics) 117, A05102. doi:[10.1029/2011JA017480](https://doi.org/10.1029/2011JA017480).

Interplanetary dust detection by radio antennas: Mass calibration and fluxes measured by STEREO/WAVES.

Zhang, X.-f., Liu, Y., Shen, Y.-d., Tian, Z.-j.: 2012, Progress in Astronomy 30, 159-171.
Progress in the Observations of Coronal Mass Ejections.

Zimovets, I., Vilmer, N., Chian, A. C.-L., Sharykin, I., Struminsky, A.: 2012, *Astronomy and Astrophysics* 547, AA6. doi:[10.1051/0004-6361/201219454](https://doi.org/10.1051/0004-6361/201219454).

Spatially resolved observations of a split-band coronal type II radio burst.

Zuccarello, F. P., Bemporad, A., Jacobs, C., Mierla, M., Poedts, S., Zuccarello, F.: 2012, *The Astrophysical Journal* 744, 66. doi:[10.1088/0004-637X/744/1/66](https://doi.org/10.1088/0004-637X/744/1/66).

The Role of Streamers in the Deflection of Coronal Mass Ejections: Comparison between STEREO Three-dimensional Reconstructions and Numerical Simulations.

Zuccarello, F. P., Romano, P., Zuccarello, F., Poedts, S.: 2012, *Astronomy and Astrophysics* 537, AA28. doi:[10.1051/0004-6361/201117563](https://doi.org/10.1051/0004-6361/201117563).

The role of photospheric shearing motions in a filament eruption related to the 2010 April 3

2011

Aguilar-Rodriguez, E., Blanco-Cano, X., Russell, C. T., Luhmann, J. G., Jian, L. K., Ramírez Vélez, J. C.: 2011, *Journal of Geophysical Research (Space Physics)* 116, A12109. doi:[10.1029/2011JA016559](https://doi.org/10.1029/2011JA016559).

Dual observations of interplanetary shocks associated with stream interaction regions.

Airapetian, V., Ofman, L., Sittler, E. C., Kramar, M.: 2011, *The Astrophysical Journal* 728, 67. doi:[10.1088/0004-637X/728/1/67](https://doi.org/10.1088/0004-637X/728/1/67).

Probing the Thermodynamics and Kinematics of Solar Coronal Streamers.

Aschwanden, M. J.: 2011, *Living Reviews in Solar Physics* 8, 5. doi:[10.12942/lrsp-2011-5](https://doi.org/10.12942/lrsp-2011-5).
Solar Stereoscopy and Tomography.

Aschwanden, M. J., Schrijver, C. J.: 2011, *The Astrophysical Journal* 736, 102. doi:[10.1088/0004-637X/736/2/102](https://doi.org/10.1088/0004-637X/736/2/102).

Coronal Loop Oscillations Observed with Atmospheric Imaging Assembly---Kink Mode with Cross-sectional and Density Oscillations.

Aschwanden, M. J., Wuelser, J.-P.: 2011, *Journal of Atmospheric and Solar-Terrestrial Physics* 73, 1082-1095. doi:[10.1016/j.jastp.2010.09.008](https://doi.org/10.1016/j.jastp.2010.09.008).

3-D reconstruction of active regions with STEREO.

Baker, D.: 2011, Thesis (Ph.D.), University College London. doi:[.](#)
Drivers of solar coronal dynamics.

Bein, B. M., Berkebile-Stoiser, S., Veronig, A. M., Temmer, M., Muhr, N., Kienreich, I., Utz, D., Vršnak, B.: 2011, *The Astrophysical Journal* 738, 191. doi:[10.1088/0004-637X/738/2/191](https://doi.org/10.1088/0004-637X/738/2/191).

Impulsive Acceleration of Coronal Mass Ejections. I. Statistics and Coronal Mass Ejection Source Region Characteristics.

Bemporad, A.: 2011, *Journal of Atmospheric and Solar-Terrestrial Physics* 73, 1117-1128. doi:[10.1016/j.jastp.2010.12.007](https://doi.org/10.1016/j.jastp.2010.12.007).

Prominence 3D reconstruction in the STEREO era: A review.

Bemporad, A., Mierla, M., Tripathi, D.: 2011, *Astronomy and Astrophysics* 531, AA147. doi:[10.1051/0004-6361/201016297](https://doi.org/10.1051/0004-6361/201016297).

Rotation of an erupting filament observed by the STEREO EUVI and COR1 instruments.

Berdichevsky, D. B., Stenborg, G., Vourlidas, A.: 2011, The Astrophysical Journal 741, 47. doi: [10.1088/0004-637X/741/1/47](https://doi.org/10.1088/0004-637X/741/1/47).

Deriving the Physical Parameters of a Solar Ejection with an Isotropic Magnetohydrodynamic Evolutionary Model.

Bi, Y., Jiang, Y. C., Yang, L. H., Zheng, R. S.: 2011, New Astronomy 16, 276-283. doi:[10.1016/j.newast.2010.11.009](https://doi.org/10.1016/j.newast.2010.11.009).

Nonradial eruption of a kinking filament observed from STEREO.

Breneman, A., Cattell, C., Wygant, J., Kersten, K., Wilson, L. B., III, Schreiner, S., Kellogg, P. J., Goetz, K.: 2011, Journal of Geophysical Research (Space Physics) 116, A06310. doi: [10.1029/2010JA016288](https://doi.org/10.1029/2010JA016288).

Large-amplitude transmitter-associated and lightning-associated whistler waves in the Earth's inner plasmasphere at $L < 2$.

Bucík, R., Mall, U., Korth, A., Mason, G. M.: 2011, Journal of Geophysical Research (Space Physics) 116, A06103. doi: [10.1029/2010JA016311](https://doi.org/10.1029/2010JA016311).

STEREO observations of the energetic ions in tilted corotating interaction regions.

Cho, K.-S., Bong, S.-C., Moon, Y.-J., Shanmugaraju, A., Kwon, R.-Y., Park, Y. D.: 2011, Astronomy and Astrophysics 530, AA16. doi: [10.1051/0004-6361/201015578](https://doi.org/10.1051/0004-6361/201015578).

Relationship between multiple type II solar radio bursts and CME observed by STEREO/SECCHI.

Cremades, H., Mandrini, C. H., Dasso, S.: 2011, Solar Physics 274, 233-249. doi: [10.1007/s11207-011-9769-7](https://doi.org/10.1007/s11207-011-9769-7).

Coronal Transient Events During Two Solar Minima: Their Solar Source Regions and Interplanetary Counterparts.

Davis, C. J., de Koning, C. A., Davies, J. A., Biesecker, D., Millward, G., Dryer, M., Deehr, C., Webb, D. F., Schenk, K., Freeland, S. L., Möstll, C., Farrugia, C. J., Odstrcil, D.: 2011, Space Weather 9, S01005. doi: [10.1029/2010SW000620](https://doi.org/10.1029/2010SW000620).

A comparison of space weather analysis techniques used to predict the arrival of the Earth-directed CME and its shockwave launched on 8 April 2010.

de Koning, C. A., Pizzo, V. J.: 2011, Space Weather 9, 03001. doi: [10.1029/2010SW000595](https://doi.org/10.1029/2010SW000595).

Polarimetric localization: A new tool for calculating the CME speed and direction of propagation in near-real time.

de Toma, G.: 2011, Solar Physics 274, 195-217. doi: [10.1007/s11207-010-9677-2](https://doi.org/10.1007/s11207-010-9677-2).

Evolution of Coronal Holes and Implications for High-Speed Solar Wind During the Minimum Between Cycles 23 and 24.

DeForest, C. E., Howard, T. A., Tappin, S. J.: 2011, The Astrophysical Journal 738, 103. doi: [10.1088/0004-637X/738/1/103](https://doi.org/10.1088/0004-637X/738/1/103).

Observations of Detailed Structure in the Solar Wind at 1 AU with STEREO/HI-2.

Downs, C., Roussev, I. I., van der Holst, B., Lugaz, N., Sokolov, I. V., Gombosi, T. I.: 2011, The Astrophysical Journal 728, 2. doi: [10.1088/0004-637X/728/1/2](https://doi.org/10.1088/0004-637X/728/1/2).

Studying Extreme Ultraviolet Wave Transients with a Digital Laboratory: Direct Comparison of Extreme Ultraviolet Wave Observations to Global Magnetohydrodynamic Simulations.

Durak, Nurcan: 2011, Thesis (PhD) University of Louisville. doi: ..

Coronal loop detection and salient contour group extraction from solar images.

Eselevich, V. G., Eselevich, M. V.: 2011, Geomagnetism and Aeronomy 51, 1083-1094. doi: [10.1134/S0016793211080184](https://doi.org/10.1134/S0016793211080184).

On the formation mechanism of the sporadic solar wind.

Farrugia, C. J., Berdichevsky, D. B., Möstll, C., Galvin, A. B., Leitner, M., Popecki, M. A., Simunac, K. D. C., Opitz, A., Lavraud, B., Ogilvie, K. W., Veronig, A. M., Temmer, M., Luhmann, J. G., Sauvaud, J. A.: 2011, Journal of Atmospheric and Solar-Terrestrial Physics 73, 1254-1269. doi: [10.1016/j.jastp.2010.09.011](https://doi.org/10.1016/j.jastp.2010.09.011).

Multiple, distant (40°) in situ observations of a magnetic cloud and a corotating interaction region complex.

Fedorov, A., Opitz, A., Sauvaud, J.-A., Luhmann, J. G., Curtis, D. W., Larson, D. E.: 2011, Space Science Reviews 161, 49-62. doi: [10.1007/s11214-011-9788-6](https://doi.org/10.1007/s11214-011-9788-6).

The IMPACT Solar Wind Electron Analyzer (SWEA): Reconstruction of the SWEA Transmission Function by Numerical Simulation and Data Analysis.

Foullon, C., Lavraud, B., Luhmann, J. G., Farrugia, C. J., Retinò, A., Simunac, K. D. C., Wardle, N. C., Galvin, A. B., Kucharek, H., Owen, C. J., Popecki, M., Opitz, A., Sauvaud, J.-A.: 2011, The Astrophysical Journal 737, 16. doi: [10.1088/0004-637X/737/1/16](https://doi.org/10.1088/0004-637X/737/1/16).

Plasmoid Releases in the Heliospheric Current Sheet and Associated Coronal Hole Boundary Layer Evolution.

Gómez-Herrero, R., Malandraki, O., Dresing, N., Kilpua, E., Heber, B., Klassen, A., Mueller-Mellin, R., Wimmer-Schweingruber, R. F.: 2011, Journal of Atmospheric and Solar-Terrestrial Physics 73, 551-565. doi: [10.1016/j.jastp.2010.11.017](https://doi.org/10.1016/j.jastp.2010.11.017).

Spatial and temporal variations of CIRs: Multi-point observations by STEREO.

Greknev, V. V., Afanasyev, A. N., Uralov, A. M., Chertok, I. M., Eselevich, M. V., Eselevich, V. G., Rudenko, G. V., Kubo, Y.: 2011, Solar Physics 273, 461-477. doi: [10.1007/s11207-011-9781-y](https://doi.org/10.1007/s11207-011-9781-y).
Coronal Shock Waves, EUV Waves, and Their Relation to CMEs. III. Shock-Associated CME/EUV Wave in an Event with a Two-Component EUV Transient.

Gui, B., Shen, C., Wang, Y., Ye, P., Liu, J., Wang, S., Zhao, X.: 2011, Solar Physics 271, 111-139. doi: [10.1007/s11207-011-9791-9](https://doi.org/10.1007/s11207-011-9791-9).

Quantitative Analysis of CME Deflections in the Corona.

Halain, J.-P., Eyles, C. J., Mazzoli, A., Bewsher, D., Davies, J. A., Mazy, E., Rochus, P., Defise, J. M., Davis, C. J., Harrison, R. A., Crothers, S. R., Brown, D. S., Korendyke, C., Moses, J. D., Socker, D. G., Howard, R. A., Newmark, J. S.: 2011, Solar Physics 271, 197-218. doi: [10.1007/s11207-011-9800-z](https://doi.org/10.1007/s11207-011-9800-z).

Straylight-Rejection Performance of the STEREO HI Instruments.

Hara, H., Watanabe, T., Harra, L. K., Culhane, J. L., Young, P. R.: 2011, The Astrophysical Journal 741, 107. doi: [10.1088/0004-637X/741/2/107](https://doi.org/10.1088/0004-637X/741/2/107).

Plasma Motions and Heating by Magnetic Reconnection in a 2007 May 19 Flare.

He, J., Marsch, E., Tu, C., Yao, S., Tian, H.: 2011, The Astrophysical Journal 731, 85. doi: [10.1088/0004-637X/731/2/85](https://doi.org/10.1088/0004-637X/731/2/85).

Possible Evidence of Alfvén-cyclotron Waves in the Angle Distribution of Magnetic Helicity of Solar Wind Turbulence.

Henri, P., Meyer-Vernet, N., Briand, C., Donato, S.: 2011, Physics of Plasmas 18, 082308. doi: [10.1063/1.3622667](https://doi.org/10.1063/1.3622667).

Observations of Langmuir ponderomotive effects using the Solar TErrestrial RElations Observatory spacecraft as a density probe.

Hess, S. L. G., Malaspina, D. M., Ergun, R. E.: 2011, Journal of Geophysical Research (Space Physics) 116, A07104. doi: [10.1029/2010JA016163](https://doi.org/10.1029/2010JA016163).

Size and amplitude of Langmuir waves in the solar wind.

Hong, J., Jiang, Y., Zheng, R., Yang, J., Bi, Y., Yang, B.: 2011, The Astrophysical Journal 738, LL20. doi: [10.1088/2041-8205/738/2/L20](https://doi.org/10.1088/2041-8205/738/2/L20).

A Micro Coronal Mass Ejection Associated Blowout Extreme-ultraviolet Jet.

Howard, T. A.: 2011, Journal of Atmospheric and Solar-Terrestrial Physics 73, 1242-1253. doi: [10.1016/j.jastp.2010.08.009](https://doi.org/10.1016/j.jastp.2010.08.009).

Three-dimensional reconstruction of coronal mass ejections using heliospheric imager data.

Huang, J., Démoulin, P., Pick, M., Auchère, F., Yan, Y. H., Bouteille, A.: 2011, The Astrophysical Journal 729, 107. doi: [10.1088/0004-637X/729/2/107](https://doi.org/10.1088/0004-637X/729/2/107).

Initiation and Early Development of the 2008 April 26 Coronal Mass Ejection.

Isavnin, A., Kilpua, E. K. J., Koskinen, H. E. J.: 2011, Solar Physics 273, 205-219. doi: [10.1007/s11207-011-9845-z](https://doi.org/10.1007/s11207-011-9845-z).

Grad-Shafranov Reconstruction of Magnetic Clouds: Overview and Improvements.

Jackson, B. V., Hamilton, M. S., Hick, P. P., Buffington, A., Bisi, M. M., Clover, J. M., Tokumaru, M., Fujiki, K.: 2011, Journal of Atmospheric and Solar-Terrestrial Physics 73, 1317-1329. doi: [10.1016/j.jastp.2010.11.023](https://doi.org/10.1016/j.jastp.2010.11.023).

Solar Mass Ejection Imager (SMEI) 3-D reconstruction of density enhancements behind interplanetary shocks: In-situ comparison near Earth and at STEREO.

Jackson, B. V., Hick, P. P., Buffington, A., Bisi, M. M., Clover, J. M., Tokumaru, M., Kojima, M., Fujiki, K.: 2011, Journal of Atmospheric and Solar-Terrestrial Physics 73, 1214-1227. doi: [10.1016/j.jastp.2010.10.007](https://doi.org/10.1016/j.jastp.2010.10.007).

Three-dimensional reconstruction of heliospheric structure using iterative tomography: A review.

Jewitt, D., Stuart, J. S., Li, J.: 2011, The Astronomical Journal 142, 28. doi: [10.1088/0004-6256/142/1/28](https://doi.org/10.1088/0004-6256/142/1/28).

Pre-discovery Observations of Disrupting Asteroid P/2010 A2.

Jian-chun, S., Chi-sheng, L., Zhong-wei, H., Hai-bin, Z., Yue-hua, M.: 2011, Chinese Astronomy and Astrophysics 35, 295-303. doi: [10.1016/j.chinastron.2011.07.007](https://doi.org/10.1016/j.chinastron.2011.07.007).

A Disconnection Event of Comet Lulin.

Joshi, A. D., Srivastava, N.: 2011, The Astrophysical Journal 739, 8. doi: [10.1088/0004-637X/739/1/8](https://doi.org/10.1088/0004-637X/739/1/8).

Acceleration of Coronal Mass Ejections from Three-dimensional Reconstruction of STEREO Images.

Joshi, A. D., Srivastava, N.: 2011, The Astrophysical Journal 730, 104. doi:[10.1088/0004-637X/730/2/104](https://doi.org/10.1088/0004-637X/730/2/104).

Kinematics of Two Eruptive Prominences Observed by EUVI/STEREO.

Kamio, S., Curdt, W., Teriaca, L., Innes, D. E.: 2011, Astronomy and Astrophysics 529, AA21. doi:[10.1051/0004-6361/201015715](https://doi.org/10.1051/0004-6361/201015715).

Evolution of microflares associated with bright points in coronal holes and in quiet regions.

Kellogg, P. J., Cattell, C. A., Goetz, K., Monson, S. J., Wilson, L. B., III: 2011, Journal of Geophysical Research (Space Physics) 116, A09224. doi:[10.1029/2010JA015919](https://doi.org/10.1029/2010JA015919).

Large amplitude whistlers in the magnetosphere observed with Wind-Waves.

Kersten, K., Cattell, C. A., Breneman, A., Goetz, K., Kellogg, P. J., Wygant, J. R., Wilson, L. B., III, Blake, J. B., Looper, M. D., Roth, I.: 2011, Geophysical Research Letters 38, 8107. doi:[10.1029/2011GL046810](https://doi.org/10.1029/2011GL046810).

Observation of relativistic electron microbursts in conjunction with intense radiation belt whistler-mode waves.

Khan, A., Landi Degl'Innocenti, E.: 2011, Astronomy and Astrophysics 532, AA70. doi:[10.1051/0004-6361/201016289](https://doi.org/10.1051/0004-6361/201016289).

Solar coronal magnetic field diagnostics through polarimetric forward modelling of the Hanle effect.

Kilpua, E. K. J., Jian, L. K., Li, Y., Luhmann, J. G., Russell, C. T.: 2011, Journal of Atmospheric and Solar-Terrestrial Physics 73, 1228-1241. doi:[10.1016/j.jastp.2010.10.012](https://doi.org/10.1016/j.jastp.2010.10.012).

Multipoint ICME encounters: Pre-STEREO and STEREO observations.

Klassen, A., Gómez-Herrero, R., Heber, B.: 2011, Solar Physics 273, 413-419. doi:[10.1007/s11207-011-9735-4](https://doi.org/10.1007/s11207-011-9735-4).

Electron Spikes, Type III Radio Bursts and EUV Jets on 22 February 2010.

Klassen, A., Gómez-Herrero, R., Müller-Mellin, R., Heber, B., Wimmer-Schweingruber, R. F., Opitz, A., Sauvaud, J.-A.: 2011, Astronomy and Astrophysics 528, AA84. doi:[10.1051/0004-6361/201014563](https://doi.org/10.1051/0004-6361/201014563).

The almost monoenergetic ion event on 19 October 2009: SEPT/STEREO observations.

Kronberg, E. A., Bucík, R., Haaland, S., Klecker, B., Keika, K., Desai, M. I., Daly, P. W., Yamauchi, M., Gómez-Herrero, R., Lui, A. T. Y.: 2011, Journal of Geophysical Research (Space Physics) 116, A02210. doi:[10.1029/2010JA015561](https://doi.org/10.1029/2010JA015561).

On the origin of the energetic ion events measured upstream of the Earth's bow shock by STEREO, Cluster, and Geotail.

Kumar, P., Srivastava, A. K., Filippov, B., Erdélyi, R., Uddin, W.: 2011, Solar Physics 272, 301-317. doi:[10.1007/s11207-011-9829-z](https://doi.org/10.1007/s11207-011-9829-z).

Multiwavelength Observations of a Failed Flux Rope in the Eruption and Associated M-Class Flare from NOAA AR 11045.

Lei, J., Thayer, J. P., Wang, W., McPherron, R. L.: 2011, Solar Physics 274, 427-437. doi:[10.1007/s11207-010-9563-y](https://doi.org/10.1007/s11207-010-9563-y).

Impact of CIR Storms on Thermosphere Density Variability during the Solar Minimum of 2008.

Leske, R.: 2011, International Cosmic Ray Conference 10, 200. doi:[10.7529/ICRC2011/V10/0722](https://doi.org/10.7529/ICRC2011/V10/0722).
Large Anisotropies in the 18 August 2010 Solar Particle Event Observed at STEREO/Ahead.

Li, T., Zhang, J., Zhang, Y., Yang, S.: 2011, *The Astrophysical Journal* 739, 43. doi: [10.1088/0004-637X/739/1/43](https://doi.org/10.1088/0004-637X/739/1/43).

Three-dimensional Reconstruction of an Erupting Filament with Solar Dynamics Observatory and STEREO Observations.

Liewer, P. C., Hall, J. R., Howard, R. A., De Jong, E. M., Thompson, W. T., Thernisien, A.: 2011, *Journal of Atmospheric and Solar-Terrestrial Physics* 73, 1173-1186. doi: [10.1016/j.jastp.2010.09.004](https://doi.org/10.1016/j.jastp.2010.09.004).

Stereoscopic analysis of STEREO/SECCHI data for CME trajectory determination.

Liu, Y. C.-M., Opher, M., Wang, Y., Gombosi, T. I.: 2011, *Astronomy & Astrophysics*, 527, A46. doi: [10.1051/0004-6361/201014384](https://doi.org/10.1051/0004-6361/201014384).

Downstream structure and evolution of a simulated CME-driven sheath in the solar corona.

Liu, Y., Luhmann, J. G., Bale, S. D., Lin, R. P.: 2011, *The Astrophysical Journal* 734, 84. doi: [10.1088/0004-637X/734/2/84](https://doi.org/10.1088/0004-637X/734/2/84).

Solar Source and Heliospheric Consequences of the 2010 April 3 Coronal Mass Ejection: A Comprehensive View.

Livshits, M. A., Urnov, A. M., Goryaev, F. F., Kashapova, L. K., Grigor'eva, I. Y., Kal'Tman, T. I.: 2011, *Astronomy Reports* 55, 918-927. doi: [10.1134/S1063772911100064](https://doi.org/10.1134/S1063772911100064).

Physics of post-eruptive solar arcades: Interpretation of RATAN-600 and STEREO spacecraft observations.

Long, D. M., DeLuca, E. E., Gallagher, P. T.: 2011, *The Astrophysical Journal* 741, LL21. doi: [10.1088/2041-8205/741/1/L21](https://doi.org/10.1088/2041-8205/741/1/L21).

The Wave Properties of Coronal Bright Fronts Observed Using SDO/AIA.

Long, D. M., Gallagher, P. T., McAteer, R. T. J., Bloomfield, D. S.: 2011, *Astronomy and Astrophysics* 531, AA42. doi: [10.1051/0004-6361/201015879](https://doi.org/10.1051/0004-6361/201015879).

Deceleration and dispersion of large-scale coronal bright fronts.

Lugaz, N., Roussev, I. I.: 2011, *Journal of Atmospheric and Solar-Terrestrial Physics* 73, 1187-1200. doi: [10.1016/j.jastp.2010.08.016](https://doi.org/10.1016/j.jastp.2010.08.016).

Numerical modeling of interplanetary coronal mass ejections and comparison with heliospheric images.

Lugaz, N., Roussev, I. I., Gombosi, T. I.: 2011, *Advances in Space Research* 48, 292-299. doi: [10.1016/j.asr.2011.03.015](https://doi.org/10.1016/j.asr.2011.03.015).

Determining CME parameters by fitting heliospheric observations: Numerical investigation of the accuracy of the methods.

Macher, W., Oswald, T. H.: 2011, *Radio Science* 46, RS1011. doi: [10.1029/2010RS004446](https://doi.org/10.1029/2010RS004446).
Radius correction formula for capacitances and effective length vectors of monopole and dipole antenna systems.

Madjarska, M. S.: 2011, *Astronomy and Astrophysics* 526, AA19. doi: [10.1051/0004-6361/201015269](https://doi.org/10.1051/0004-6361/201015269).

Dynamics and plasma properties of an X-ray jet from SUMER, EIS, XRT, and EUVI A & B simultaneous observations.

Malaspina, D. M., Cairns, I. H., Ergun, R. E.: 2011, *Geophysical Research Letters* 38, L13101. doi: [10.1029/2011GL047642](https://doi.org/10.1029/2011GL047642).

Dependence of Langmuir wave polarization on electron beam speed in type III solar radio bursts.

Maloney, S. A., Gallagher, P. T.: 2011, The Astrophysical Journal 736, LL5. doi: [10.1088/2041-8205/736/1/L5](https://doi.org/10.1088/2041-8205/736/1/L5).

STEREO Direct Imaging of a Coronal Mass Ejection-driven Shock to 0.5 AU.

McIntosh, S. W., Kiefer, K. K., Leamon, R. J., Kasper, J. C., Stevens, M. L.: 2011, The Astrophysical Journal 740, LL23. doi: [10.1088/2041-8205/740/1/L23](https://doi.org/10.1088/2041-8205/740/1/L23).

Solar Cycle Variations in the Elemental Abundance of Helium and Fractionation of Iron in the Fast Solar Wind: Indicators of an Evolving Energetic Release of Mass from the Lower Solar Atmosphere.

Mierla, M., Chifu, I., Inhester, B., Rodriguez, L., Zhukov, A.: 2011, Astronomy and Astrophysics 530, LL1. doi: [10.1051/0004-6361/201016295](https://doi.org/10.1051/0004-6361/201016295).

Low polarised emission from the core of coronal mass ejections.

Mierla, M., Inhester, B., Rodriguez, L., Gissot, S., Zhukov, A., Srivastava, N.: 2011, Journal of Atmospheric and Solar-Terrestrial Physics 73, 1166-1172. doi: [10.1016/j.jastp.2010.11.028](https://doi.org/10.1016/j.jastp.2010.11.028).

On 3D reconstruction of coronal mass ejections: II. Longitudinal and latitudinal width analysis of 31 August 2007 event.

Miklenic, C., Veronig, A. M., Temmer, M., Möstl, C., Biernat, H. K.: 2011, Solar Physics 273, 125-142. doi: [10.1007/s11207-011-9852-0](https://doi.org/10.1007/s11207-011-9852-0).

Coronal Dimmings and the Early Phase of a CME Observed with STEREO and Hinode/EIS.

Mostl, C., Rollett, T., Lugaz, N., Farrugia, C. J., Davies, J. A., Temmer, M., Veronig, A. M., Harrison, R. A., Crothers, S., Luhmann, J. G., Galvin, A. B., Zhang, T. L., Baumjohann, W., Biernat, H. K.: 2011, The Astrophysical Journal 741, 34. doi: [10.1088/0004-637X/741/1/34](https://doi.org/10.1088/0004-637X/741/1/34).
Arrival Time Calculation for Interplanetary Coronal Mass Ejections with Circular Fronts and Application to STEREO Observations of the 2009 February 13 Eruption.

Muhr, N., Veronig, A. M., Kienreich, I. W., Temmer, M., Vrsnak, B.: 2011, The Astrophysical Journal 739, 89. doi: [10.1088/0004-637X/739/2/89](https://doi.org/10.1088/0004-637X/739/2/89).

Analysis of Characteristic Parameters of Large-scale Coronal Waves Observed by the Solar-Terrestrial Relations Observatory/Extreme Ultraviolet Imager.

Nieves-Chinchilla, T., Gómez-Herrero, R., Viñas, A. F., Malandraki, O., Dresing, N., Hidalgo, M. A., Opitz, A., Sauvaud, J.-A., Lavraud, B., Davila, J. M.: 2011, Journal of Atmospheric and Solar-Terrestrial Physics 73, 1348-1360. doi: [10.1016/j.jastp.2010.09.026](https://doi.org/10.1016/j.jastp.2010.09.026).

Analysis and study of the in situ observation of the June 1st 2008 CME by STEREO.

Nisticò, G., Patsourakos, S., Bothmer, V., Zimbardo, G.: 2011, Advances in Space Research 48, 1490-1498. doi: [10.1016/j.asr.2011.07.003](https://doi.org/10.1016/j.asr.2011.07.003).

Determination of temperature maps of EUV coronal hole jets.

Nitta, N. V.: 2011, Solar Physics 274, 219-232. doi: [10.1007/s11207-011-9806-6](https://doi.org/10.1007/s11207-011-9806-6).
Observables Indicating Two Major Coronal Mass Ejections During the WHI.

Panasenco, O., Martin, S., Joshi, A. D., Srivastava, N.: 2011, Journal of Atmospheric and Solar-Terrestrial Physics 73, 1129-1137. doi: [10.1016/j.jastp.2010.09.010](https://doi.org/10.1016/j.jastp.2010.09.010).

Rolling motion in erupting prominences observed by STEREO.

Patsourakos, S., Vourlidas, A.: 2011, *Astronomy and Astrophysics* 525, AA27. doi: [10.1051/0004-6361/201015048](https://doi.org/10.1051/0004-6361/201015048).

Evidence for a current sheet forming in the wake of a coronal mass ejection from multi-viewpoint coronagraph observations.

Pearson, Jaz: 2011, Thesis (Ph.D.), University of Central Lancashire. doi: [Investigating our dynamic solar corona from near Sun to 1 AU.](#)

Petrie, G. J. D., Canou, A., Amari, T.: 2011, *Solar Physics* 274, 163-194. doi: [10.1007/s11207-010-9687-0](https://doi.org/10.1007/s11207-010-9687-0).

Nonlinear Force-Free and Potential-Field Models of Active-Region and Global Coronal Fields during the Whole Heliosphere Interval.

Rakowski, C. E., Laming, J. M., Lyutikov, M.: 2011, *The Astrophysical Journal* 730, 30. doi: [10.1088/0004-637X/730/1/30](https://doi.org/10.1088/0004-637X/730/1/30).

In Situ Heating of the 2007 May 19 CME Ejecta Detected by Stereo/PLASTIC and ACE.

Reshetnyk, V., Agapitov, O.: 2011, *International Journal of Remote Sensing* 32, 3239-3247. doi: [10.1080/01431161.2010.541514](https://doi.org/10.1080/01431161.2010.541514).

The geometric parameters of solar wind discontinuities based on STEREO, ACE and WIND measurements.

Riley, P., Lionello, R., Linker, J. A., Mikic, Z., Luhmann, J., Wijaya, J.: 2011, *Solar Physics* 274, 361-377. doi: [10.1007/s11207-010-9698-x](https://doi.org/10.1007/s11207-010-9698-x).

Global MHD Modeling of the Solar Corona and Inner Heliosphere for the Whole Heliosphere Interval.

Rodriguez, L., Mierla, M., Zhukov, A. N., West, M., Kilpua, E.: 2011, *Solar Physics* 270, 561-573. doi: [10.1007/s11207-011-9784-8](https://doi.org/10.1007/s11207-011-9784-8).

Linking Remote-Sensing and In Situ Observations of Coronal Mass Ejections Using STEREO.

Rollett, T.: 2011, Masters Thesis, Institute for Physics, University of Graz, Austria. doi: [Propagation Direction and Kinematics of Coronal Mass Ejections in the Heliosphere.](#)

Rouillard, A. P., Odstrcil, D., Sheeley, N. R., Tylka, A., Vourlidas, A., Mason, G., Wu, C.-C., Savani, N. P., Wood, B. E., Ng, C. K., Stenborg, G., Szabo, A., St. Cyr, O. C.: 2011, *The Astrophysical Journal*, 735, 7. doi: [10.1088/0004-637X/735/1/7](https://doi.org/10.1088/0004-637X/735/1/7).

Interpreting the Properties of Solar Energetic Particle Events by Using Combined Imaging and Modeling of Interplanetary Shocks.

Rouillard, A. P., Sheeley, N. R., Jr., Cooper, T. J., Davies, J. A., Lavraud, B., Kilpua, E. K. J., Skoug, R. M., Steinberg, J. T., Szabo, A., Opitz, A., Sauvaud, J.-A.: 2011, *The Astrophysical Journal* 734, 7. doi: [10.1088/0004-637X/734/1/7](https://doi.org/10.1088/0004-637X/734/1/7).

The Solar Origin of Small Interplanetary Transients.

Sandman, A. W., Aschwanden, M. J.: 2011, *Solar Physics* 270, 503-522. doi: [10.1007/s11207-011-9782-x](https://doi.org/10.1007/s11207-011-9782-x).

A New Method for Modeling the Coronal Magnetic Field with STEREO and Submerged Dipoles.

Sangaralingam, V., Stevens, I. R.: 2011, *Monthly Notices of the Royal Astronomical Society* 418, 1325-1334. doi: [10.1111/j.1365-2966.2011.19581.x](https://doi.org/10.1111/j.1365-2966.2011.19581.x).

STEREO TRansiting Exoplanet and Stellar Survey (STRESS) - I. Introduction and data pipeline.

Sauvaud, J.-A., Opitz, A., Palin, L., Lavraud, B., Jacquay, C., Kistler, L., Frey, H. U., Luhmann, J., Larson, D., Russell, C. T.: 2011, Journal of Geophysical Research (Space Physics) 116, A03215. doi:[10.1029/2010JA016077](https://doi.org/10.1029/2010JA016077).

Far tail ($255 R_E$) fast response to very weak magnetic activity.

Schmidt, J. M., Ofman, L.: 2011, The Astrophysical Journal 739, 75. doi:[10.1088/0004-637X/739/2/75](https://doi.org/10.1088/0004-637X/739/2/75).

Slow Magnetoacoustic Wave Oscillation of an Expanding Coronal Loop.

Schrijver, C. J., Aulanier, G., Title, A. M., Pariat, E., Delannée, C.: 2011, The Astrophysical Journal 738, 167. doi:[10.1088/0004-637X/738/2/167](https://doi.org/10.1088/0004-637X/738/2/167).

The 2011 February 15 X2 Flare, Ribbons, Coronal Front, and Mass Ejection: Interpreting the Three-dimensional Views from the Solar Dynamics Observatory and STEREO Guided by Magnetohydrodynamic Flux-rope Modeling.

Schrijver, C. J., Title, A. M.: 2011, Journal of Geophysical Research (Space Physics) 116, A04108. doi:[10.1029/2010JA016224](https://doi.org/10.1029/2010JA016224).

Long-range magnetic couplings between solar flares and coronal mass ejections observed by SDO and STEREO.

Seaton, D. B., Mierla, M., Berghmans, D., Zhukov, A. N., Dolla, L.: 2011, The Astrophysical Journal 727, LL10. doi:[10.1088/2041-8205/727/1/L10](https://doi.org/10.1088/2041-8205/727/1/L10).

SWAP-SECCHI Observations of a Mass-loading Type Solar Eruption.

Shen, C., Wang, Y., Gui, B., Ye, P., Wang, S.: 2011, Solar Physics 269, 389-400. doi:[10.1007/s11207-011-9715-8](https://doi.org/10.1007/s11207-011-9715-8).

Kinematic Evolution of a Slow CME in Corona Viewed by STEREO-B on 8 October 2007.

Shen, Y.-D., Liu, Y., Liu, R.: 2011, Research in Astronomy and Astrophysics 11, 594-606. doi:[10.1088/1674-4527/11/5/009](https://doi.org/10.1088/1674-4527/11/5/009).

A time series of filament eruptions observed by three eyes from space: from failed to successful eruptions.

Shi, J. C., Lin, Q. S., Hu, Z. W., Zhao, H. B., Ma, Y. H.: 2011, Acta Astronomica Sinica 52, 136-144. doi:.

The Disconnection Event of Comet Lulin.

Simnett, G. M.: 2011, Astronomy and Astrophysics 531, AA46. doi:[10.1051/0004-6361/201116429](https://doi.org/10.1051/0004-6361/201116429).

Energetic neutral atoms from the Sun: an alternative interpretation of a unique event.

Stenborg, G., Marsch, E., Vourlidas, A., Howard, R., Baldwin, K.: 2011, Astronomy and Astrophysics 526, AA58. doi:[10.1051/0004-6361/201014369](https://doi.org/10.1051/0004-6361/201014369).

A novel technique to measure intensity fluctuations in EUV images and to detect coronal sound waves nearby active regions.

Su, Y., Surges, V., van Ballegooijen, A., DeLuca, E., Golub, L.: 2011, The Astrophysical Journal 734, 53. doi:[10.1088/0004-637X/734/1/53](https://doi.org/10.1088/0004-637X/734/1/53).

Observations and Magnetic Field Modeling of the Flare/coronal Mass Ejection Event on 2010 April 8.

Temmer, M., Rollett, T., Möstll, C., Veronig, A. M., Vrsnak, B., Odstrcil, D.: 2011, The Astrophysical Journal 743, 101. doi:[10.1088/0004-637X/743/2/101](https://doi.org/10.1088/0004-637X/743/2/101).

Influence of the Ambient Solar Wind Flow on the Propagation Behavior of Interplanetary Coronal Mass Ejections.

Temmer, M., Veronig, A. M., Gopalswamy, N., Yashiro, S.: 2011, Solar Physics 273, 421-432. doi:[10.1007/s11207-011-9746-1](https://doi.org/10.1007/s11207-011-9746-1).

Relation Between the 3D-Geometry of the Coronal Wave and Associated CME During the 26 April 2008 Event.

Thejappa, G., MacDowall, R. J., Gopalswamy, N.: 2011, Astrophysical Journal 734, 16. doi:[10.1088/0004-637X/734/1/16](https://doi.org/10.1088/0004-637X/734/1/16).

Effects of Refraction on Angles and Times of Arrival of Solar Radio Bursts.

Thernisien, A., Vourlidas, A., Howard, R. A.: 2011, Journal of Atmospheric and Solar-Terrestrial Physics 73, 1156-1165. doi:[10.1016/j.jastp.2010.10.019](https://doi.org/10.1016/j.jastp.2010.10.019).

CME reconstruction: Pre-STEREO and STEREO era.

Thompson, B. J., Gibson, S. E., Schroeder, P. C., Webb, D. F., Arge, C. N., Bisi, M. M., de Toma, G., Emery, B. A., Galvin, A. B., Haber, D. A., Jackson, B. V., Jensen, E. A., Leamon, R. J., Lei, J., Manoharan, P. K., Mays, M. L., McIntosh, P. S., Petrie, G. J. D., Plunkett, S. P., Qian, L., Riley, P., Suess, S. T., Tokumaru, M., Welsch, B. T., Woods, T. N.: 2011, Solar Physics 274, 29-56. doi:[10.1007/s11207-011-9891-6](https://doi.org/10.1007/s11207-011-9891-6).

A Snapshot of the Sun Near Solar Minimum: The Whole Heliosphere Interval.

Thompson, W. T.: 2011, Journal of Atmospheric and Solar-Terrestrial Physics 73, 1138-1147. doi:[10.1016/j.jastp.2010.07.005](https://doi.org/10.1016/j.jastp.2010.07.005).

Strong rotation of an erupting quiescent polar crown prominence.

Thompson, W. T., Davila, J. M., St. Cyr, O. C., Reginald, N. L.: 2011, Solar Physics 272, 215-225. doi:[10.1007/s11207-011-9815-5](https://doi.org/10.1007/s11207-011-9815-5).

STEREO SECCHI COR1-A/B Intercalibration at 180Å Separation.

Tian, H., McIntosh, S. W., Habbal, S. R., He, J.: 2011, The Astrophysical Journal 736, 130. doi:[10.1088/0004-637X/736/2/130](https://doi.org/10.1088/0004-637X/736/2/130).

Observation of High-speed Outflow on Plume-like Structures of the Quiet Sun and Coronal Holes with Solar Dynamics Observatory/Atmospheric Imaging Assembly.

Turner, D. L., Li, X.: 2011, Space Weather 9, S01002. doi:[10.1029/2010SW000627](https://doi.org/10.1029/2010SW000627).

Using spacecraft measurements ahead of Earth in the Parker spiral to improve terrestrial space weather forecasts.

Vásquez, A. M., Huang, Z., Manchester, W. B., Frazin, R. A.: 2011, Solar Physics 274, 259-284. doi:[10.1007/s11207-010-9706-1](https://doi.org/10.1007/s11207-010-9706-1).

The WHI Corona from Differential Emission Measure Tomography.

Vourlidas, A., Colaninno, R., Nieves-Chinchilla, T., Stenborg, G.: 2011, The Astrophysical Journal 733, LL23. doi:[10.1088/2041-8205/733/2/L23](https://doi.org/10.1088/2041-8205/733/2/L23).

The First Observation of a Rapidly Rotating Coronal Mass Ejection in the Middle Corona.

Warmuth, A., Mann, G.: 2011, Astronomy and Astrophysics 532, AA151. doi:[10.1051/0004-6361/201116685](https://doi.org/10.1051/0004-6361/201116685).

Kinematical evidence for physically different classes of large-scale coronal EUV waves.

West, M. J., Zhukov, A. N., Dolla, L., Rodriguez, L.: 2011, *The Astrophysical Journal* 730, 122. doi:[10.1088/0004-637X/730/2/122](https://doi.org/10.1088/0004-637X/730/2/122).

Coronal Seismology Using EIT Waves: Estimation of the Coronal Magnetic Field Strength in the Quiet Sun.

Wilhelm, K., Abbo, L., Auchère, F., Barbey, N., Feng, L., Gabriel, A. H., Giordano, S., Imada, S., Llebaria, A., Matthaeus, W. H., Poletto, G., Raouafi, N.-E., Suess, S. T., Teriaca, L., Wang, Y.-M.: 2011, *Astronomy and Astrophysics Review* 19, 35. doi:[10.1007/s00159-011-0035-7](https://doi.org/10.1007/s00159-011-0035-7).

Morphology, dynamics and plasma parameters of plumes and inter-plume regions in solar coronal holes.

Williams, A. O., Edberg, N. J. T., Milan, S. E., Lester, M., FrI_nz, M., Davies, J. A.: 2011, *Journal of Geophysical Research (Space Physics)* 116, A08103. doi:[10.1029/2010JA015719](https://doi.org/10.1029/2010JA015719).

Tracking corotating interaction regions from the Sun through to the orbit of Mars using ACE, MEX, VEX, and STEREO.

Wood, B. E., Wu, C.-C., Howard, R. A., Socker, D. G., Rouillard, A. P.: 2011, *The Astrophysical Journal* 729, 70. doi:[10.1088/0004-637X/729/1/70](https://doi.org/10.1088/0004-637X/729/1/70).

Empirical Reconstruction and Numerical Modeling of the First Geoeffective Coronal Mass Ejection of Solar Cycle 24.

Wraight, K. T., White, G. J., Bewsher, D., Norton, A. J.: 2011, *Monthly Notices of the Royal Astronomical Society* 416, 2477-2493. doi:[10.1111/j.1365-2966.2011.18599.x](https://doi.org/10.1111/j.1365-2966.2011.18599.x).

STEREO observations of stars and the search for exoplanets.

Xiong, M., Breen, A. R., Bisi, M. M., Owens, M. J., Fallows, R. A., Dorrian, G. D., Davies, J. A., Thomasson, P.: 2011, *Journal of Atmospheric and Solar-Terrestrial Physics* 73, 1270-1280. doi:[10.1016/j.jastp.2010.09.007](https://doi.org/10.1016/j.jastp.2010.09.007).

Forward modelling to determine the observational signatures of white-light imaging and interplanetary scintillation for the propagation of an interplanetary shock in the ecliptic plane.

Yang, L., Feng, X., Xiang, C., Zhang, S., Wu, S. T.: 2011, *Solar Physics* 271, 91-110. doi:[10.1007/s11207-011-9785-7](https://doi.org/10.1007/s11207-011-9785-7).

Simulation of the Unusual Solar Minimum with 3D SIP-CESE MHD Model by Comparison with Multi-Satellite Observations.

Zaslavsky, A., Meyer-Vernet, N., Hoang, S., Maksimovic, M., Bale, S. D.: 2011, *Radio Science* 46, RS2008. doi:[10.1029/2010RS004464](https://doi.org/10.1029/2010RS004464).

On the antenna calibration of space radio instruments using the galactic background: General formulas and application to STEREO/WAVES.

Zhao, X. H., Wu, S. T., Wang, A. H., Vourlidas, A., Feng, X. S., Jiang, C. W.: 2011, *The Astrophysical Journal* 742, 131. doi:[10.1088/0004-637X/742/2/131](https://doi.org/10.1088/0004-637X/742/2/131).

Uncovering the Wave Nature of the EIT Wave for the 2010 January 17 Event through Its Correlation to the Background Magnetosonic Speed.

Zheng, R., Jiang, Y. C., Yang, L. H., Bi, Y.: 2011, *Astrophysics and Space Science* 332, 81-89. doi:[10.1007/s10509-010-0505-9](https://doi.org/10.1007/s10509-010-0505-9).

The coronal mass ejection associated with the loop eruption and coronal dimmings on 2009 December 13.

- Zhou, G. P., Xiao, C. J., Wang, J. X., Wheatland, M. S., Zhao, H.: 2011, *Astronomy and Astrophysics* 525, AA156. doi:[10.1051/0004-6361/201015726](https://doi.org/10.1051/0004-6361/201015726).
A current sheet traced from the Sun to interplanetary space.
- Zhukov, A. N.: 2011, *Journal of Atmospheric and Solar-Terrestrial Physics* 73, 1096-1116. doi:[10.1016/j.jastp.2010.11.030](https://doi.org/10.1016/j.jastp.2010.11.030).
EIT wave observations and modeling in the STEREO era.
- Zimbardo, G.: 2011, *Planetary and Space Science* 59, 468-474. doi:[10.1016/j.pss.2010.03.010](https://doi.org/10.1016/j.pss.2010.03.010).
Heavy ion reflection and heating by collisionless shocks in polar solar corona.

2010

- Abramenko, V., Yurchyshyn, V., Linker, J., Mikic, Z., Luhmann, J., Lee, C. O.: 2010, *The Astrophysical Journal* 712, 813-818. doi:[10.1088/0004-637X/712/2/813](https://doi.org/10.1088/0004-637X/712/2/813).
Low-Latitude Coronal Holes at the Minimum of the 23rd Solar Cycle.
- Artzner, G., Gosain, S., Schmieder, B.: 2010, *Solar Physics* 262, 437-447. doi:[10.1007/s11207-010-9526-3](https://doi.org/10.1007/s11207-010-9526-3).
A Technique for Removing Background Features in SECCHI - EUVI He II 304 Å Filtergrams: Application to the Filament Eruption of 22 May 2008.
- Aschwanden, M. J., Sandman, A. W.: 2010, *The Astronomical Journal* 140, 723-734. doi:[10.1088/0004-6256/140/3/723](https://doi.org/10.1088/0004-6256/140/3/723).
Bootstrapping the Coronal Magnetic Field with STEREO: Unipolar Potential Field Modeling.
- Attrill, G. D. R., Wills-Davey, M. J.: 2010, *Solar Physics* 262, 461-480. doi:[10.1007/s11207-009-9444-4](https://doi.org/10.1007/s11207-009-9444-4).
Automatic Detection and Extraction of Coronal Dimmings from SDO/AIA Data.
- Bewsher, D., Brown, D. S., Eyles, C. J., Kellett, B. J., White, G. J., Swinyard, B.: 2010, *Solar Physics* 264, 433-460. doi:[10.1007/s11207-010-9582-8](https://doi.org/10.1007/s11207-010-9582-8).
Determination of the Photometric Calibration and Large-Scale Flatfield of the STEREO Heliospheric Imagers: I. HI-1.
- Bisi, M. M., Fallows, R. A., Breen, A. R., O'Neill, I. J.: 2010, *Solar Physics* 261, 149-172. doi:[10.1007/s11207-009-9471-1](https://doi.org/10.1007/s11207-009-9471-1).
Interplanetary Scintillation Observations of Stream Interaction Regions in the Solar Wind.
- Bisi, M. M., Jackson, B. V., Breen, A. R., Dorrian, G. D., Fallows, R. A., Clover, J. M., & Hick, P. P.: 2010, *Solar Physics*, 265, 233. doi:[10.1007/s11207-010-9594-4](https://doi.org/10.1007/s11207-010-9594-4).
Three-Dimensional (3-D) Reconstructions of EISCAT IPS Velocity Data in the Declining Phase of Solar Cycle 23.
- Bisi, M. M., Jackson, B. V., Hick, P. P., Buffington, A., Clover, J. M., Tokumaru, M., Fujiki, K.: 2010, *The Astrophysical Journal* 715, L104-L108. doi:[10.1088/2041-8205/715/2/L104](https://doi.org/10.1088/2041-8205/715/2/L104).
Three-dimensional Reconstructions and Mass Determination of the 2008 June 2 LASCO Coronal Mass Ejection Using STELab Interplanetary Scintillation Observations.

Bochsler, P., Lee, M. A., Karrer, R., Jian, L. K., Ellis, L., Farrugia, C. J., Galvin, A. B., Kistler, L. M., Kucharek, H., Möbius, E., Popecki, M. A., Simunac, K. D. C., Blush, L. M., Daoudi, H., Wurz, P., Klecker, B., Wimmer-Schweingruber, R. F., Thompson, B., Luhmann, J. G., Russell, C. T., Opitz, A.: 2010, *Annales Geophysicae* 28, 491-497. doi:[10.5194/angeo-28-491-2010](https://doi.org/10.5194/angeo-28-491-2010).

Diagnostics of corotating interaction regions with the kinetic properties of iron ions as determined with STEREO/PLASTIC.

Breneman, A., Cattell, C., Schreiner, S., Kersten, K., Wilson, L. B., III, Kellogg, P., Goetz, K., Jian, L. K.: 2010, *Journal of Geophysical Research (Space Physics)* 115, A08104. doi: [10.1029/2009JA014920](https://doi.org/10.1029/2009JA014920).

Observations of large-amplitude, narrowband whistlers at stream interaction regions.

Briand, C., Soucek, J., Henri, P., Mangeney, A.: 2010, *Journal of Geophysical Research (Space Physics)* 115, A12113. doi:[10.1029/2010JA015849](https://doi.org/10.1029/2010JA015849).

Waves at the electron plasma frequency associated with solar wind magnetic holes: STEREO/Cluster observations.

Byrne, J. P., Maloney, S. A., McAteer, R. T. J., Reijojo, J. M., Gallagher, P. T.: 2010, *Nature Communications* 1, 74. doi:[10.1038/ncomms1077](https://doi.org/10.1038/ncomms1077).

Propagation of an Earth-directed coronal mass ejection in three dimensions.

Byrne, Jason P.: 2010, Thesis (Ph.D.), Trinity College, Dublin. doi: [The Kinematics and Morphology of Solar Coronal Mass Ejections](#).

Chashei, I. V., Shishov, V. I., Smirnova, T. V.: 2010, *Solar Physics* 265, 129-135. doi:[10.1007/s11207-010-9574-8](https://doi.org/10.1007/s11207-010-9574-8).

High-Latitude Inner Solar Wind from Pulsar Radio Sounding Observations.

Chen, J., Kunkel, V.: 2010, *The Astrophysical Journal* 717, 1105-1122. doi:[10.1088/0004-637X/717/2/1105](https://doi.org/10.1088/0004-637X/717/2/1105).

Temporal and Physical Connection Between Coronal Mass Ejections and Flares.

Cheng, X., Ding, M. D., & Zhang, J.: 2010, *The Astrophysical Journal*, 712, 1302. doi: [10.1088/0004-637X/712/2/1302](https://doi.org/10.1088/0004-637X/712/2/1302).

A Study of the Build-up, Initiation, and Acceleration of 2008 April 26 Coronal Mass Ejection Observed by STEREO.

Chollet, E. E., Mewaldt, R. A., Cummings, A. C., Gosling, J. T., Haggerty, D. K., Hu, Q., Larson, D., Lavraud, B., Leske, R. A., Opitz, A., Roelof, E. C., Russell, C. T., Sauvaud, J.-A.: 2010, *Journal of Geophysical Research (Space Physics)* 115, A12106. doi:[10.1029/2010JA015552](https://doi.org/10.1029/2010JA015552).

Multipoint connectivity analysis of the May 2007 solar energetic particle events.

Clover, J. M., Jackson, B. V., Buffington, A., Hick, P. P., Bisi, M. M.: 2010, *The Astrophysical Journal* 713, 394-397. doi:[10.1088/0004-637X/713/1/394](https://doi.org/10.1088/0004-637X/713/1/394).

Solar Wind Speed Inferred from Cometary Plasma Tails using Observations from STEREO HI-1.

Conlon, P. A., Gallagher, P. T.: 2010, *The Astrophysical Journal* 715, 59-65. doi: [10.1088/0004-637X/715/1/59](https://doi.org/10.1088/0004-637X/715/1/59).

Constraining Three-Dimensional Magnetic Field Extrapolations Using the Twin Perspectives of STEREO.

Davis, C. J., Kennedy, J., Davies, J. A.: 2010, Solar Physics 263, 209-222. doi:[10.1007/s11207-010-9535-2](https://doi.org/10.1007/s11207-010-9535-2).

Assessing the Accuracy of CME Speed and Trajectory Estimates from STEREO Observations Through a Comparison of Independent Methods.

De Pontieu, B., McIntosh, S. W.: 2010, The Astrophysical Journal 722, 1013-1029. doi:[10.1088/0004-637X/722/2/1013](https://doi.org/10.1088/0004-637X/722/2/1013).

Quasi-periodic Propagating Signals in the Solar Corona: The Signature of Magnetoacoustic Waves or High-velocity Upflows?

Dorrian, G. D., Breen, A. R., Davies, J. A., Rouillard, A. P., Fallows, R. A., Whittaker, I. C., Brown, D. S., Harrison, R. A., Davis, C. J., Grande, M.: 2010, Solar Physics 265, 207-231. doi:[10.1007/s11207-010-9599-z](https://doi.org/10.1007/s11207-010-9599-z).

Transient Structures and Stream Interaction Regions in the Solar Wind: Results from EISCAT Interplanetary Scintillation, STEREO HI and Venus Express ASPERA-4 Measurements.

Drews, C., Berger, L., Wimmer-Schweingruber, R. F., Galvin, A. B., Klecker, B., Möbius, E. : 2010, Journal of Geophysical Research (Space Physics) 115, A10108. doi:[10.1029/2010JA015585](https://doi.org/10.1029/2010JA015585).
Observations of interstellar neon in the helium focusing cone.

Eastwood, J. P., Wheatland, M. S., Hudson, H. S., Krucker, S., Bale, S. D., Maksimovic, M., Goetz, K., Bougeret, J.-L.: 2010, The Astrophysical Journal 708, L95-L99. doi:[10.1088/2041-8205/708/2/L95](https://doi.org/10.1088/2041-8205/708/2/L95).

On The Brightness and Waiting-Time Distributions of a Type III Radio Storm Observed By Stereo/Waves.

Feldman, W. C., Lawrence, D. J., Goldsten, J. O., Gold, R. E., Baker, D. N., Haggerty, D. K., Ho, G. C., Krucker, S., Lin, R. P., Mewaldt, R. A., Murphy, R. J., Nittler, L. R., Rhodes, E. A., Slavin, J. A., Solomon, S. C., Starr, R. D., Vilas, F., Vourlidas, A.: 2010, Journal of Geophysical Research (Space Physics) 115, A01102. doi:[10.1029/2009JA014535](https://doi.org/10.1029/2009JA014535).

Evidence for extended acceleration of solar flare ions from 1-8 MeV solar neutrons detected with the MESSENGER Neutron Spectrometer.

Gibson, S. E., Kucera, T. A., Rastawicki, D., Dove, J., de Toma, G., Hao, J., Hill, S., Hudson, H. S., Marqué, C., McIntosh, P. S., Rachmeler, L., Reeves, K. K., Schmieder, B., Schmit, D. J., Seaton, D. B., Sterling, A. C., Tripathi, D., Williams, D. R., Zhang, M.: 2010, The Astrophysical Journal 724, 1133-1146. doi:[10.1088/0004-637X/724/2/1133](https://doi.org/10.1088/0004-637X/724/2/1133).

Three-dimensional Morphology of a Coronal Prominence Cavity.

González-Gómez, D. I., Blanco-Cano, X., Raga, A. C.: 2010, Advances in Space Research 46, 22-30. doi:[10.1016/j.asr.2010.02.022](https://doi.org/10.1016/j.asr.2010.02.022).

A morphological study of CMEs using wavelet analysis.

Gosain, S., Schmieder, B.: 2010, Annales Geophysicae 28, 149-153. doi:[10.5194/angeo-28-149-2010](https://doi.org/10.5194/angeo-28-149-2010).

Estimation of width and inclination of a filament sheet using He II 304 Å observations by STEREO/EUVI.

Goussies, N., Stenborg, G., Vourlidas, A., Howard, R.: 2010, Solar Physics 262, 481-494. doi:[10.1007/s11207-009-9495-6](https://doi.org/10.1007/s11207-009-9495-6).

Tracking of Coronal White-Light Events by Texture.

- Harrison, R. A., Davis, C. J., Bewsher, D., Davies, J. A., Eyles, C. J., Crothers, S. R.: 2010, Advances in Space Research 45, 1-9. doi:[10.1016/j.asr.2009.09.013](https://doi.org/10.1016/j.asr.2009.09.013).
Coronal mass ejections in the heliosphere.
- He, J.-S., Marsch, E., Curdt, W., Tian, H., Tu, C.-Y., Xia, L.-D., Kamio, S.: 2010, Astronomy and Astrophysics 519, AA49. doi:[10.1051/0004-6361/201014709](https://doi.org/10.1051/0004-6361/201014709).
Magnetic and spectroscopic properties of supergranular-scale coronal jets and erupting loops in a polar coronal hole.
- Hess, S. L. G., Malaspina, D. M., Ergun, R. E.: 2010, Journal of Geophysical Research (Space Physics) 115, A10103. doi:[10.1029/2009JA015179](https://doi.org/10.1029/2009JA015179).
Growth of the Langmuir cavity eigenmodes in the solar wind.
- Howard, T. A., Tappin, S. J.: 2010, Space Weather 8, S07004. doi:[10.1029/2009SW000531](https://doi.org/10.1029/2009SW000531).
Application of a new phenomenological coronal mass ejection model to space weather forecasting.
- Innes, D. E., McIntosh, S. W., Pietarila, A.: 2010, Astronomy and Astrophysics 517, LL7. doi:[10.1051/0004-6361/201014366](https://doi.org/10.1051/0004-6361/201014366).
STEREO quadrature observations of coronal dimming at the onset of mini-CMEs.
- Jackson, B. V., Buffington, A., Hick, P. P., Bisi, M. M., Clover, J. M.: 2010, Solar Physics 265, 257-275. doi:[10.1007/s11207-010-9579-3](https://doi.org/10.1007/s11207-010-9579-3).
A Heliospheric Imager for Deep Space: Lessons Learned from Helios, SMEI, and STEREO.
- Jewitt, D., Li, J.: 2010, The Astronomical Journal 140, 1519-1527. doi:[10.1088/0004-6256/140/5/1519](https://doi.org/10.1088/0004-6256/140/5/1519).
Activity in Geminid Parent (3200) Phaethon.
- Kamio, S., Curdt, W., Teriaca, L., Inhester, B., Solanki, S. K.: 2010, Astronomy and Astrophysics 510, LL1. doi:[10.1051/0004-6361/200913269](https://doi.org/10.1051/0004-6361/200913269).
Observations of a rotating macrospicule associated with an X-ray jet.
- Kellogg, P. J., Cattell, C. A., Goetz, K., Monson, S. J., Wilson, L. B., III: 2010, Geophysical Research Letters 37, L20106. doi:[10.1029/2010GL044845](https://doi.org/10.1029/2010GL044845).
Electron trapping and charge transport by large amplitude whistlers.
- Kellogg, P. J., Goetz, K., Monson, S. J.: 2010, Journal of Geophysical Research (Space Physics) 115, A06107. doi:[10.1029/2009JA014635](https://doi.org/10.1029/2009JA014635).
Harmonics of langmuir waves in the Earth's foreshock.
- Kerdraon, A., Pick, M., Hoang, S., Wang, Y.-M., Haggerty, D.: 2010, The Astrophysical Journal 715, 468-476. doi:[10.1088/0004-637X/715/1/468](https://doi.org/10.1088/0004-637X/715/1/468).
The Coronal and Heliospheric 2007 May 19 Event: Coronal Mass Ejection, Extreme Ultraviolet Imager Wave, Radio Bursts, and Energetic Electrons.
- Kistler, L. M., Galvin, A. B., Popecki, M. A., Simunac, K. D. C., Farrugia, C., Möbius, E., Lee, M. A., Blush, L. M., Bochsler, P., Wurz, P., Klecker, B., Wimmer-Schweingruber, R. F., Opitz, A., Sauvaud, J.-A., Thompson, B., Russell, C. T.: 2010, Geophysical Research Letters 37, L21101. doi:[10.1029/2010GL045075](https://doi.org/10.1029/2010GL045075).
Escape of O⁺ through the distant tail plasma sheet.

- Krucker, S., Hudson, H. S., Glesener, L., White, S. M., Masuda, S., Wuelser, J.-P., Lin, R. P.: 2010, *The Astrophysical Journal* 714, 1108-1119. doi:[10.1088/0004-637X/714/2/1108](https://doi.org/10.1088/0004-637X/714/2/1108).
Measurements of the Coronal Acceleration Region of a Solar Flare.
- Kumar, P., Srivastava, A. K., Filippov, B., Uddin, W.: 2010, *Solar Physics* 266, 39-58. doi:[10.1007/s11207-010-9586-4](https://doi.org/10.1007/s11207-010-9586-4).
Multiwavelength Study of the M8.9/3B Solar Flare from AR NOAA 10960.
- Kunkel, V., Chen, J.: 2010, *The Astrophysical Journal* 715, L80-L83. doi:[10.1088/2041-8205/715/2/L80](https://doi.org/10.1088/2041-8205/715/2/L80).
Evolution of a Coronal Mass Ejection and its Magnetic Field in Interplanetary Space.
- Kwon, R.-Y., Chae, J., Zhang, J.: 2010, *The Astrophysical Journal* 714, 130-137. doi:[10.1088/0004-637X/714/1/130](https://doi.org/10.1088/0004-637X/714/1/130).
Stereoscopic Determination of Heights of Extreme Ultraviolet Bright Points Using Data Taken by SECCHI/EUVI Aboard STEREO.
- Labrosse, N., Dalla, S., Marshall, S.: 2010, *Solar Physics* 262, 449-460. doi:[10.1007/s11207-009-9492-9](https://doi.org/10.1007/s11207-009-9492-9).
Automatic Detection of Limb Prominences in 304 Å EUV Images.
- Lacatus, D. A., Paraschiv, A. R., Badescu, T., Lupu, M. G., Simon, S., Sandu, S., Mierla, M., Rusu, M. V.: 2010, *Romanian Astronomical Journal* 20, 15-21. doi:[.](#)
On Coronal Jets Observed by STEREO/SECCHI Instruments.
- Landi, E., Raymond, J. C., Miralles, M. P., Hara, H.: 2010, *The Astrophysical Journal* 711, 75-98. doi:[10.1088/0004-637X/711/1/75](https://doi.org/10.1088/0004-637X/711/1/75).
Physical Conditions in a Coronal Mass Ejection from Hinode, Stereo, and SOHO Observations.
- Lavraud, B., Opitz, A., Gosling, J. T., Rouillard, A. P., Meziane, K., Sauvaud, J.-A., Fedorov, A., Dandouras, I., Génot, V., Jacquay, C., Louarn, P., Mazelle, C., Penou, E., Larson, D. E., Luhmann, J. G., Schroeder, P., Jian, L., Russell, C. T., Foullon, C., Skoug, R. M., Steinberg, J. T., Simunac, K. D., Galvin, A. B.: 2010, *Annales Geophysicae* 28, 233-246. doi:[10.5194/angeo-28-233-2010](https://doi.org/10.5194/angeo-28-233-2010).
Statistics of counter-streaming solar wind suprathermal electrons at solar minimum: STEREO observations.
- Li, T., Zhang, J., Zhao, H., Yang, S.: 2010, *The Astrophysical Journal* 720, 144-149. doi:[10.1088/0004-637X/720/1/144](https://doi.org/10.1088/0004-637X/720/1/144).
Three-dimensional Shape and Evolution of Two Eruptive Filaments.
- Lin, C.-H., Gallagher, P. T., Raftery, C. L.: 2010, *Astronomy and Astrophysics* 516, AA44. doi:[10.1051/0004-6361/200913167](https://doi.org/10.1051/0004-6361/200913167).
Investigating the driving mechanisms of coronal mass ejections.
- Lugaz, N.: 2010, *Solar Physics* 267, 411-429. doi:[10.1007/s11207-010-9654-9](https://doi.org/10.1007/s11207-010-9654-9).
Accuracy and Limitations of Fitting and Stereoscopic Methods to Determine the Direction of Coronal Mass Ejections from Heliospheric Imagers Observations.
- Lugaz, N., Hernandez-Charpak, J. N., Roussev, I. I., Davis, C. J., Vourlidas, A., Davies, J. A.: 2010, *The Astrophysical Journal* 715, 493-499. doi:[10.1088/0004-637X/715/1/493](https://doi.org/10.1088/0004-637X/715/1/493).
Determining the Azimuthal Properties of Coronal Mass Ejections from Multi-Spacecraft Remote-Sensing Observations with STEREO SECCHI.

Luhmann, J. G., Ledvina, S. A., Odstrcil, D., Owens, M. J., Zhao, X.-P., Liu, Y., Riley, P.: 2010, Advances in Space Research 46, 1-21. doi:[10.1016/j.asr.2010.03.011](https://doi.org/10.1016/j.asr.2010.03.011).

Cone model-based SEP event calculations for applications to multipoint observations.

Lynch, B. J., Li, Y., Thernisien, A. F. R., Robbrecht, E., Fisher, G. H., Luhmann, J. G., Vourlidas, A.: 2010, Journal of Geophysical Research (Space Physics) 115, A07106. doi:[10.1029/2009JA015099](https://doi.org/10.1029/2009JA015099).

Sun to 1 AU propagation and evolution of a slow streamer-blowout coronal mass ejection.

Ma, S., Attrill, G. D. R., Golub, L., Lin, J.: 2010, The Astrophysical Journal 722, 289-301. doi:[10.1088/0004-637X/722/1/289](https://doi.org/10.1088/0004-637X/722/1/289).

Statistical Study of Coronal Mass Ejections With and Without Distinct Low Coronal Signatures.

Malaspina, D. M.: 2010, Ph.D. Thesis, University of Colorado at Boulder. doi:[Microphysics of the solar wind.](#)

Malaspina, D. M., Cairns, I. H., Ergun, R. E.: 2010, Journal of Geophysical Research (Space Physics) 115, A01101. doi:[10.1029/2009JA014609](https://doi.org/10.1029/2009JA014609).

The 2f_p radiation from localized Langmuir waves.

Malaspina, D. M., Kellogg, P. J., Bale, S. D., Ergun, R. E.: 2010, The Astrophysical Journal 711, 322-327. doi:[10.1088/0004-637X/711/1/322](https://doi.org/10.1088/0004-637X/711/1/322).

Measurements of Rapid Density Fluctuations in the Solar Wind.

Maloney, S. A., Gallagher, P. T.: 2010, The Astrophysical Journal 724, L127-L132. doi:[10.1088/2041-8205/724/2/L127](https://doi.org/10.1088/2041-8205/724/2/L127).

Solar Wind Drag and the Kinematics of Interplanetary Coronal Mass Ejections.

Mann, I., Czechowski, A., Meyer-Vernet, N., Zaslavsky, A., Lamy, H.: 2010, Plasma Physics and Controlled Fusion 52, 124012. doi:[10.1088/0741-3335/52/12/124012](https://doi.org/10.1088/0741-3335/52/12/124012).

Dust in the interplanetary medium.

McIntosh, S. W., de Pontieu, B., Leamon, R. J.: 2010, Solar Physics 265, 5-17. doi:[10.1007/s11207-010-9538-z](https://doi.org/10.1007/s11207-010-9538-z).

The Impact of New EUV Diagnostics on CME-Related Kinematics.

McIntosh, S. W., Innes, D. E., de Pontieu, B., Leamon, R. J.: 2010, Astronomy and Astrophysics 510, LL2. doi:[10.1051/0004-6361/200913699](https://doi.org/10.1051/0004-6361/200913699).

STEREO observations of quasi-periodically driven high velocity outflows in polar plumes.

Mierla, M., Inhester, B., Antunes, A., Boursier, Y., Byrne, J. P., Colaninno, R., Davila, J., de Koning, C. A., Gallagher, P. T., Gissot, S., Howard, R. A., Howard, T. A., Kramar, M., Lamy, P., Liewer, P. C., Maloney, S., Marqué, C., McAteer, R. T. J., Moran, T., Rodriguez, L., Srivastava, N., St. Cyr, O. C., Stenborg, G., Temmer, M., Thernisien, A., Vourlidas, A., West, M. J., Wood, B. E., Zhukov, A. N.: 2010, Annales Geophysicae 28, 203-215. doi:[10.5194/angeo-28-203-2010](https://doi.org/10.5194/angeo-28-203-2010).

On the 3-D reconstruction of Coronal Mass Ejections using coronagraph data.

Milligan, R. O., McAteer, R. T. J., Dennis, B. R., Young, C. A.: 2010, The Astrophysical Journal 713, 1292-1300. doi:[10.1088/0004-637X/713/2/1292](https://doi.org/10.1088/0004-637X/713/2/1292).

Evidence of a Plasmoid-Looptop Interaction and Magnetic Inflows During a Solar Flare/Coronal Mass Ejection Eruptive Event.

Moore, R. L., Cirtain, J. W., Sterling, A. C., Falconer, D. A.: 2010, The Astrophysical Journal 720, 757-770. doi:[10.1088/0004-637X/720/1/757](https://doi.org/10.1088/0004-637X/720/1/757).

Dichotomy of Solar Coronal Jets: Standard Jets and Blowout Jets.

Moran, T. G., Davila, J. M., Thompson, W. T.: 2010, The Astrophysical Journal 712, 453-458. doi:[10.1088/0004-637X/712/1/453](https://doi.org/10.1088/0004-637X/712/1/453).

Three-Dimensional Polarimetric Coronal Mass Ejection Localization Tested Through Triangulation.

Möstll, C., Temmer, M., Rollett, T., Farrugia, C. J., Liu, Y., Veronig, A. M., Leitner, M., Galvin, A. B., Biernat, H. K.: 2010, Geophysical Research Letters 37, L24103. doi:[10.1029/2010GL045175](https://doi.org/10.1029/2010GL045175).

STEREO and Wind observations of a fast ICME flank triggering a prolonged geomagnetic storm on 5-7 April 2010.

Nisticò, G., Bothmer, V., Patsourakos, S., Zimbardo, G.: 2010, Annales Geophysicae 28, 687-696. doi:[10.5194/angeo-28-687-2010](https://doi.org/10.5194/angeo-28-687-2010).

Observational features of equatorial coronal hole jets.

Ontiveros, V.: 2010, Universidad Autonoma de Mexico. doi:

Quantitative Measurements of Coronal Mass Ejection-Driven Shocks from LASCO Observations.

Opitz, A., Fedorov, A., Wurz, P., Szego, K., Sauvaud, J.-A., Karrer, R., Galvin, A. B., Barabash, S., Ipavich, F.: 2010, Solar Physics 264, 377-382. doi:[10.1007/s11207-010-9583-7](https://doi.org/10.1007/s11207-010-9583-7).

Solar-Wind Bulk Velocity Throughout the Inner Heliosphere from Multi-Spacecraft Measurements.

Opitz, A., Sauvaud, J.-A., Fedorov, A., Wurz, P., Luhmann, J. G., Lavraud, B., Russell, C. T., Kellogg, P., Briand, C., Henri, P., Malaspina, D. M., Louarn, P., Curtis, D. W., Penou, E., Karrer, R., Galvin, A. B., Larson, D. E., Dandouras, I., Schroeder, P.: 2010, Solar Physics 266, 369-377. doi:[10.1007/s11207-010-9613-5](https://doi.org/10.1007/s11207-010-9613-5).

Temporal Evolution of the Solar-Wind Electron Core Density at Solar Minimum by Correlating SWEA Measurements from STEREO A and B.

Panchenko, M., Rucker, H. O., Kaiser, M. L., St. Cyr, O. C., Bougeret, J.-L., Goetz, K., Bale, S. D.: 2010, Geophysical Research Letters 37, L05106. doi:[10.1029/2010GL042488](https://doi.org/10.1029/2010GL042488).

New periodicity in Jovian decametric radio emission.

Paraschiv, A. R., Lacatus, D. A., Badescu, T., Lupu, M. G., Simon, S., Sandu, S. G., Mierla, M., Rusu, M. V.: 2010, Solar Physics 264, 365-375. doi:[10.1007/s11207-010-9584-6](https://doi.org/10.1007/s11207-010-9584-6).

Study of Coronal Jets During Solar Minimum Based on STEREO/SECCHI Observations.

Pariat, E., Antiochos, S. K., DeVore, C. R.: 2010, The Astrophysical Journal 714, 1762-1778. doi:[10.1088/0004-637X/714/2/1762](https://doi.org/10.1088/0004-637X/714/2/1762).

Three-dimensional Modeling of Quasi-homologous Solar Jets.

Patsourakos, S., Vourlidas, A., Kliem, B.: 2010, Astronomy and Astrophysics 522, AA100. doi:[10.1051/0004-6361/200913599](https://doi.org/10.1051/0004-6361/200913599).

Toward understanding the early stages of an impulsively accelerated coronal mass ejection. SECCHI observations.

Podladchikova, O., Vourlidas, A., Van der Linden, R. A. M., Wülser, J.-P., Patsourakos, S.: 2010, The Astrophysical Journal 709, 369-376. doi:[10.1088/0004-637X/709/1/369](https://doi.org/10.1088/0004-637X/709/1/369).

Extreme Ultraviolet Observations and Analysis of Micro-Eruptions and Their Associated Coronal Waves.

- Poomvise, W., Zhang, J., Olmedo, O.: 2010, The Astrophysical Journal 717, L159-L163. doi: [10.1088/2041-8205/717/2/L159](https://doi.org/10.1088/2041-8205/717/2/L159).
Coronal Mass Ejection Propagation and Expansion in Three-dimensional Space in the Heliosphere Based on Stereo/SECCHI Observations.
- Raftery, C. L., Gallagher, P. T., McAteer, R. T. J., Lin, C.-H., Delahunt, G.: 2010, The Astrophysical Journal 721, 1579-1584. doi: [10.1088/0004-637X/721/2/1579](https://doi.org/10.1088/0004-637X/721/2/1579).
Evidence for Internal Tether-cutting in a Flare/Coronal Mass Ejection Observed by MESSENGER, RHESSI, and STEREO.
- Riley, P., Luhmann, J., Opitz, A., Linker, J. A., Mikic, Z.: 2010, Journal of Geophysical Research (Space Physics) 115, A11104. doi: [10.1029/2010JA015717](https://doi.org/10.1029/2010JA015717).
Interpretation of the cross-correlation function of ACE and STEREO solar wind velocities using a global MHD Model.
- Robbrecht, E., Wang, Y.-M.: 2010, The Astrophysical Journal 720, L88-L92. doi: [10.1088/2041-8205/720/1/L88](https://doi.org/10.1088/2041-8205/720/1/L88).
The Temperature-dependent Nature of Coronal Dimmings.
- Rouillard, A. P., Lavraud, B., Davies, J. A., Savani, N. P., Burlaga, L. F., Forsyth, R. J., Sauvaud, J.-A., Opitz, A., Lockwood, M., Luhmann, J. G., Simunac, K. D. C., Galvin, A. B., Davis, C. J., Harrison, R. A.: 2010, Journal of Geophysical Research (Space Physics) 115, A04104. doi: [10.1029/2009JA014472](https://doi.org/10.1029/2009JA014472).
Intermittent release of transients in the slow solar wind: 2. In situ evidence.
- Rouillard, A. P., Davies, J. A., Lavraud, B., Forsyth, R. J., Savani, N. P., Bewsher, D., Brown, D. S., Sheeley, N. R., Davis, C. J., Harrison, R. A., Howard, R. A., Vourlidas, A., Lockwood, M., Crothers, S. R., Eyles, C. J.: 2010, Journal of Geophysical Research (Space Physics) 115, A04103. doi: [10.1029/2009JA014471](https://doi.org/10.1029/2009JA014471).
Intermittent release of transients in the slow solar wind: 1. Remote sensing observations.
- Rouillard, A. P., Lavraud, B., Sheeley, N. R., Davies, J. A., Burlaga, L. F., Savani, N. P., Jacquay, C., Forsyth, R. J.: 2010, The Astrophysical Journal 719, 1385-1392. doi: [10.1088/0004-637X/719/2/1385](https://doi.org/10.1088/0004-637X/719/2/1385).
White Light and In Situ Comparison of a Forming Merged Interaction Region.
- Sauer, K., Sydora, R. D.: 2010, Annales Geophysicae 28, 1317-1325. doi: [10.5194/angeo-28-1317-2010](https://doi.org/10.5194/angeo-28-1317-2010).
Beam-excited whistler waves at oblique propagation with relation to STEREO radiation belt observations.
- Savani, N. P., Owens, M. J., Rouillard, A. P., Forsyth, R. J., Davies, J. A.: 2010, The Astrophysical Journal 714, L128-L132. doi: [10.1088/2041-8205/714/1/L128](https://doi.org/10.1088/2041-8205/714/1/L128).
Observational Evidence of a Coronal Mass Ejection Distortion Directly Attributable to a Structured Solar Wind.
- Savani, Neel P.: 2010, Thesis (Ph.D.), Imperial College London. doi: [10.5194/angeo-28-1317-2010](https://doi.org/10.5194/angeo-28-1317-2010).
Morphology of coronal mass ejections between the sun and the earth.
- Schmidt, J. M., Ofman, L.: 2010, The Astrophysical Journal 713, 1008-1015. doi: [10.1088/0004-637X/713/2/1008](https://doi.org/10.1088/0004-637X/713/2/1008).
Global Simulation of an Extreme Ultraviolet Imaging Telescope Wave.

Sheeley, N. R., Jr., Rouillard, A. P.: 2010, The Astrophysical Journal 715, 300-309. doi: [10.1088/0004-637X/715/1/300](https://doi.org/10.1088/0004-637X/715/1/300).

Tracking Streamer Blobs into the Heliosphere.

Sterling, A. C., Chifor, C., Mason, H. E., Moore, R. L., Young, P. R.: 2010, Astronomy and Astrophysics 521, AA49. doi: [10.1051/0004-6361/201014006](https://doi.org/10.1051/0004-6361/201014006).

Evidence for magnetic flux cancelation leading to an ejective solar eruption observed by Hinode, TRACE, STEREO, and SoHO/MDI.

Sterling, A. C., Harra, L. K., Moore, R. L.: 2010, The Astrophysical Journal 722, 1644-1653. doi: [10.1088/0004-637X/722/2/1644](https://doi.org/10.1088/0004-637X/722/2/1644).

Fibrillar Chromospheric Spicule-like Counterparts to an Extreme-ultraviolet and Soft X-ray Blowout Coronal Jet.

Su, Y., van Ballegooijen, A., Golub, L.: 2010, The Astrophysical Journal 721, 901-910. doi: [10.1088/0004-637X/721/1/901](https://doi.org/10.1088/0004-637X/721/1/901).

Structure and Dynamics of Quiescent Filament Channels Observed by Hinode/XRT and STEREO/EUVI.

Temmer, M., Veronig, A. M., Kontar, E. P., Krucker, S., Vrsnak, B.: 2010, The Astrophysical Journal 712, 1410-1420. doi: [10.1088/0004-637X/712/2/1410](https://doi.org/10.1088/0004-637X/712/2/1410).

Combined STEREO/RHESSI Study of Coronal Mass Ejection Acceleration and Particle Acceleration in Solar Flares.

Thejappa, G., MacDowall, R. J.: 2010, The Astrophysical Journal 720, 1395-1404. doi: [10.1088/0004-637X/720/2/1395](https://doi.org/10.1088/0004-637X/720/2/1395).

Localization of a Type III Radio Burst Observed by the STEREO Spacecraft.

Thompson, W. T., Wei, K.: 2010, Solar Physics 261, 215-222. doi: [10.1007/s11207-009-9476-9](https://doi.org/10.1007/s11207-009-9476-9).
Use of the FITS World Coordinate System by STEREO/SECCHI.

Thompson, W. T., Wei, K., Burkepile, J. T., Davila, J. M., St. Cyr, O. C.: 2010, Solar Physics 262, 213-231. doi: [10.1007/s11207-010-9513-8](https://doi.org/10.1007/s11207-010-9513-8).

Background Subtraction for the SECCHI/COR1 Telescope Aboard STEREO.

van der Holst, B., Manchester, W. B., IV, Frazin, R. A., Vásquez, A. M., Tóth, G., Gombosi, T. I.: 2010, The Astrophysical Journal 725, 1373-1383. doi: [10.1088/0004-637X/725/1/1373](https://doi.org/10.1088/0004-637X/725/1/1373).
A Data-driven, Two-temperature Solar Wind Model with Alfvén Waves.

Vásquez, A. M., Frazin, R. A., Manchester, W. B., IV: 2010, The Astrophysical Journal 715, 1352-1365. doi: [10.1088/0004-637X/715/2/1352](https://doi.org/10.1088/0004-637X/715/2/1352).

The Solar Minimum Corona from Differential Emission Measure Tomography.

Verkhoglyadova, O. P., Li, G., Zank, G. P., Hu, Q., Cohen, C. M. S., Mewaldt, R. A., Mason, G. M., Haggerty, D. K., von Rosenvinge, T. T.,Looper, M. D.: 2010, Journal of Geophysical Research (Space Physics) 115, A12103. doi: [10.1029/2010JA015615](https://doi.org/10.1029/2010JA015615).

Understanding large SEP events with the PATH code: Modeling of the 13 December 2006 SEP event.

Veronig, A. M., Muhr, N., Kienreich, I. W., Temmer, M., Vrsnak, B.: 2010, The Astrophysical Journal 716, L57-L62. doi: [10.1088/2041-8205/716/1/L57](https://doi.org/10.1088/2041-8205/716/1/L57).

First Observations of a Dome-shaped Large-scale Coronal Extreme-ultraviolet Wave.

Veselovsky, I. S., Shugay, Y. S.: 2010, Cosmic Research 48, 31-40. doi:10.1134/S0010952510010028.
High-speed streams of the solar wind near the earth's orbit and their sources on the sun according to stereoscopic observations in the minimum of the 23rd cycle.

Viall, N. M., Spence, H. E., Vourlidas, A., Howard, R.: 2010, Solar Physics 267, 175-202. doi:
[10.1007/s11207-010-9633-1](https://doi.org/10.1007/s11207-010-9633-1).

Examining Periodic Solar-Wind Density Structures Observed in the SECCHI Heliospheric Imagers.

Viall, Nicholeen Mary: 2010, Thesis (PhD) Boston University. doi:
Periodic solar wind density structures.

Wang, L., Lin, R. P., Parks, G. K., Brandt, P. C., Roelof, E. C., Sample, J. G., Eastwood, J. P., Larson, D. E., Curtis, D. W., Luhmann, J. G.: 2010, Geophysical Research Letters 37, L08107. doi:
[10.1029/2010GL042964](https://doi.org/10.1029/2010GL042964).

Energetic, ~5-90 keV neutral atom imaging of a weak substorm with STEREO/STE.

Wang, Y., Cao, H., Chen, J., Zhang, T., Yu, S., Zheng, H., Shen, C., Zhang, J., Wang, S.: 2010, The Astrophysical Journal 717, 973-986. doi:[10.1088/0004-637X/717/2/973](https://doi.org/10.1088/0004-637X/717/2/973).

Solar Limb Prominence Catcher and Tracker (SLIPCAT): An Automated System and its Preliminary Statistical Results.

Warren, H. P., Kim, D. M., DeGiorgi, A. M., Ugarte-Urra, I.: 2010, The Astrophysical Journal 713, 1095-1107. doi:[10.1088/0004-637X/713/2/1095](https://doi.org/10.1088/0004-637X/713/2/1095).

Modeling Evolving Coronal Loops with Observations from Stereo, Hinode, and Trace.

Whittaker, I. C., Dorrian, G. D., Breen, A., Grande, M., Barabash, S.: 2010, Solar Physics 265, 197-206. doi:[10.1007/s11207-010-9608-2](https://doi.org/10.1007/s11207-010-9608-2).

In-situ Observations of a Co-rotating Interaction Region at Venus Identified by IPS and STEREO.

Wiedenbeck, M. E., Cohen, C. M. S., Leske, R. A., Mewaldt, R. A., Cummings, A. C., Stone, E. C., von Rosenvinge, T. T.: 2010, The Astrophysical Journal 719, 1212-1229. doi:[10.1088/0004-637X/719/2/1212](https://doi.org/10.1088/0004-637X/719/2/1212).

Heavy-ion Fractionation in the Impulsive Solar Energetic Particle Event of 2002 August 20: Elements, Isotopes, and Inferred Charge States.

Wood, B. E., Howard, R. A., Socker, D. G.: 2010, The Astrophysical Journal 715, 1524-1532. doi:
[10.1088/0004-637X/715/2/1524](https://doi.org/10.1088/0004-637X/715/2/1524).

Reconstructing the Morphology of an Evolving Coronal Mass Ejection.

Wood, B. E., Howard, R. A., Thernisien, A., Socker, D. G.: 2010, The Astrophysical Journal 708, L89-L94. doi:[10.1088/2041-8205/708/2/L89](https://doi.org/10.1088/2041-8205/708/2/L89).

The Three-Dimensional Morphology of a Corotating Interaction Region in the Inner Heliosphere.

Xu, Y., Jing, J., Wang, H.: 2010, Solar Physics 264, 81-91. doi:[10.1007/s11207-010-9573-9](https://doi.org/10.1007/s11207-010-9573-9).
Measurements of Filament Height in Halpha and EUV 304 Å.

Zhao, X. H., Feng, X. S., Xiang, C. Q., Liu, Y., Li, Z., Zhang, Y., Wu, S. T.: 2010, The Astrophysical Journal 714, 1133-1141. doi:[10.1088/0004-637X/714/2/1133](https://doi.org/10.1088/0004-637X/714/2/1133).

Multi-spacecraft Observations of the 2008 January 2 CME in the Inner Heliosphere.

Zhao, X. P., Hoeksema, J. T.: 2010, Solar Physics 266, 379-390. doi:[10.1007/s11207-010-9618-0](https://doi.org/10.1007/s11207-010-9618-0).
The Magnetic Field at the Inner Boundary of the Heliosphere Around Solar Minimum.

Zouganelis, I., Maksimovic, M., Meyer-Vernet, N., Bale, S. D., Eastwood, J. P., Zaslavsky, A., Dekkali, M., Goetz, K., Kaiser, M. L.: 2010, Radio Science 45, RS1005. doi:[10.1029/2009RS004194](https://doi.org/10.1029/2009RS004194).
Measurements of stray antenna capacitance in the STEREO/WAVES instrument: Comparison of the measured voltage spectrum with an antenna electron shot noise model.

2009

Antunes, A., Thernisien, A., Yahil, A.: 2009, Solar Physics 259, 199-212. doi:[10.1007/s11207-009-9409-7](https://doi.org/10.1007/s11207-009-9409-7).

Hybrid Reconstruction to Derive 3D Height - Time Evolution for Coronal Mass Ejections.

Aschwanden, M. J.: 2009, Annales Geophysicae 27, 3275-3286. doi:[10.5194/angeo-27-3275-2009](https://doi.org/10.5194/angeo-27-3275-2009).
4-D modeling of CME expansion and EUV dimming observed with STEREO/EUVI.

Aschwanden, M. J.: 2009, Space Science Reviews 149, 31-64. doi:[10.1007/s11214-009-9505-x](https://doi.org/10.1007/s11214-009-9505-x).
The 3D Geometry, Motion, and Hydrodynamic Aspects of Oscillating Coronal Loops.

Aschwanden, M. J., Wuelser, J. P., Nitta, N. V., Lemen, J. R.: 2009, Solar Physics 256, 3-40. doi:[10.1007/s11207-009-9347-4](https://doi.org/10.1007/s11207-009-9347-4).

Solar Flare and CME Observations with STEREO/EUVI.

Aschwanden, M. J., Wuelser, J.-P., Nitta, N. V., Lemen, J. R., Sandman, A.: 2009, The Astrophysical Journal 695, 12-29. doi:[10.1088/0004-637X/695/1/12](https://doi.org/10.1088/0004-637X/695/1/12).

First Three-Dimensional Reconstructions of Coronal Loops with the STEREO A+B Spacecraft. III. Instant Stereoscopic Tomography of Active Regions.

Attrill, G. D. R., Engell, A. J., Wills-Davey, M. J., Grigis, P., Testa, P.: 2009, The Astrophysical Journal 704, 1296-1308. doi:[10.1088/0004-637X/704/2/1296](https://doi.org/10.1088/0004-637X/704/2/1296).

Hinode/XRT and STEREO Observations of a Diffuse Coronal "Wave"-Coronal Mass Ejection-Dimming Event.

Baker, D., Rouillard, A. P., van Driel-Gesztelyi, L., Démoulin, P., Harra, L. K., Lavraud, B., Davies, J. A., Opitz, A., Luhmann, J. G., Sauvaud, J.-A., Galvin, A. B.: 2009, Annales Geophysicae 27, 3883-3897. doi:[10.5194/angeo-27-3883-2009](https://doi.org/10.5194/angeo-27-3883-2009).

Signatures of interchange reconnection: STEREO, ACE and Hinode observations combined.

Bemporad, A.: 2009, The Astrophysical Journal 701, 298-305. doi:[10.1088/0004-637X/701/1/298](https://doi.org/10.1088/0004-637X/701/1/298).
Stereoscopic Reconstruction from STEREO/EUV Imagers Data of the Three-dimensional Shape and Expansion of an Erupting Prominence.

Bemporad, A., Del Zanna, G., Andretta, V., Poletto, G., Magrí, M.: 2009, Annales Geophysicae 27, 3841-3851. doi:[10.5194/angeo-27-3841-2009](https://doi.org/10.5194/angeo-27-3841-2009).

Multispacecraft observations of a prominence eruption.

Bisi, M. M., Jackson, B. V., Buffington, A., Clover, J. M., Hick, P. P., Tokumaru, M.: 2009, Solar Physics 256, 201-217. doi:[10.1007/s11207-009-9350-9](https://doi.org/10.1007/s11207-009-9350-9).

Low-Resolution STELab IPS 3D Reconstructions of the Whole Heliosphere Interval and Comparison with in-Ecliptic Solar Wind Measurements from STEREO and Wind Instrumentation.

Bone, L. A., van Driel-Gesztelyi, L., Culhane, J. L., Aulanier, G., Liewer, P.: 2009, Solar Physics 259, 31-47. doi:[10.1007/s11207-009-9427-5](https://doi.org/10.1007/s11207-009-9427-5).

Formation, Interaction and Merger of an Active Region and a Quiescent Filament Prior to Their Eruption on 19 May 2007.

Boursier, Y., Lamy, P., Llebaria, A.: 2009, Solar Physics 256, 131-147. doi:[10.1007/s11207-009-9358-1](https://doi.org/10.1007/s11207-009-9358-1).

Three-Dimensional Kinematics of Coronal Mass Ejections from STEREO/SECCHI-COR2 Observations in 2007 - 2008.

Brown, D. S.: 2009, Physics Education 44, 20-26. doi:[10.1088/0031-9120/44/1/002](https://doi.org/10.1088/0031-9120/44/1/002).
Our explosive sun.

Brown, D. S., Bewsher, D., Eyles, C. J.: 2009, Solar Physics 254, 185-225. doi:[10.1007/s11207-008-9277-6](https://doi.org/10.1007/s11207-008-9277-6).

Calibrating the Pointing and Optical Parameters of the STEREO Heliospheric Imagers.

Bucík, R., Mall, U., Gómez-Herrero, R., Korth, A., Mason, G.M.: 2009, Solar Physics 259, 361-380. doi:[10.1007/s11207-009-9415-9](https://doi.org/10.1007/s11207-009-9415-9).

STEREO Observations of Energetic Ions in Corotating Interaction Regions During the May 2007 Solar Events.

Bucík, R., Mall, U., Korth, A., Mason, G.M.: 2009, Annales Geophysicae 27, 3677-3690. doi:[10.5194/angeo-27-3677-2009](https://doi.org/10.5194/angeo-27-3677-2009).

On acceleration of <1 MeV/n He ions in the corotating compression regions near 1 AU: STEREO observations.

Byrne, J. P., Gallagher, P. T., McAteer, R. T. J., Young, C. A.: 2009, Astronomy and Astrophysics 495, 325-334. doi:[10.1051/0004-6361:200809811](https://doi.org/10.1051/0004-6361:200809811).

The kinematics of coronal mass ejections using multiscale methods.

Cohen, O., Attrill, G. D. R., Manchester, W. B., IV, Wills-Davey, M. J.: 2009, The Astrophysical Journal 705, 587-602. doi:[10.1088/0004-637X/705/1/587](https://doi.org/10.1088/0004-637X/705/1/587).

Numerical Simulation of an EUV Coronal Wave Based on the 2009 February 13 CME Event Observed by STEREO.

Colaninno, R. C., Vourlidas, A.: 2009, The Astrophysical Journal 698, 852-858. doi:[10.1088/0004-637X/698/1/852](https://doi.org/10.1088/0004-637X/698/1/852).

First Determination of the True Mass of Coronal Mass Ejections: A Novel Approach to Using the Two STEREO Viewpoints.

Cummings, A. C., Tranquille, C., Marsden, R. G., Mewaldt, R. A., Stone, E. C.: 2009, Geophysical Research Letters 36, L18103. doi:[10.1029/2009GL039851](https://doi.org/10.1029/2009GL039851).

Radial and latitudinal gradients of anomalous cosmic ray oxygen in the inner heliosphere.

Daoudi, H., Blush, L. M., Bochsler, P., Galvin, A. B., Giannanco, C., Karrer, R., Opitz, A., Wurz, P., Farrugia, C., Kistler, L. A., Popecki, M. A., Möbius, E., Singer, K., Klecker, B., Wimmer-Schweingruber, R. F., Thompson, B.: 2009, Astrophysics and Space Sciences Transactions 5, 1-13. doi:[10.5194/astra-5-1-2009](https://doi.org/10.5194/astra-5-1-2009).

The STEREO/PLASTIC response to solar wind ions (Flight measurements and models).

Davies, J. A., Harrison, R. A., Rouillard, A. P., Sheeley, N. R., Perry, C. H., Bewsher, D., Davis, C. J., Eyles, C. J., Crothers, S. R., Brown, D. S.: 2009, Geophysical Research Letters 36, L02102. doi: [10.1029/2008GL036182](https://doi.org/10.1029/2008GL036182).

A synoptic view of solar transient evolution in the inner heliosphere using the Heliospheric Imagers on STEREO.

Davis, C. J., Davies, J. A., Lockwood, M., Rouillard, A. P., Eyles, C. J., Harrison, R. A.: 2009, Geophysical Research Letters 36, L08102. doi: [10.1029/2009GL038021](https://doi.org/10.1029/2009GL038021).

Stereoscopic imaging of an Earth-impacting solar coronal mass ejection: A major milestone for the STEREO mission.

de Koning, C. A., Pizzo, V. J., Biesecker, D. A.: 2009, Solar Physics 256, 167-181. doi: [10.1007/s11207-009-9344-7](https://doi.org/10.1007/s11207-009-9344-7).

Geometric Localization of CMEs in 3D Space Using STEREO Beacon Data: First Results.

De Pontieu, B., Hansteen, V. H., McIntosh, S. W., Patsourakos, S.: 2009, The Astrophysical Journal 702, 1016-1024. doi: [10.1088/0004-637X/702/2/1016](https://doi.org/10.1088/0004-637X/702/2/1016).

Estimating the Chromospheric Absorption of Transition Region Moss Emission.

De Rosa, M. L., Schrijver, C. J., Barnes, G., Leka, K. D., Lites, B. W., Aschwanden, M. J., Amari, T., Canou, A., McTiernan, J. M., Régnier, S., Thalmann, J. K., Valori, G., Wheatland, M. S., Wiegelmann, T., Cheung, M. C. M., Conlon, P. A., Fuhrmann, M., Inhester, B., Tadesse, T.: 2009, The Astrophysical Journal 696, 1780-1791. doi: [10.1088/0004-637X/696/2/1780](https://doi.org/10.1088/0004-637X/696/2/1780).

A Critical Assessment of Nonlinear Force-Free Field Modeling of the Solar Corona for Active Region 10953.

Dorrian, Gareth: 2009, Thesis (Ph.D.), Aberystwyth University. doi: [Large scale 3-dimensional structure of the solar wind.](#)

Dresing, N., Gómez-Herrero, R., Heber, B., Mueller-Mellin, R., Wimmer-Schweingruber, R., Klassen, A.: 2009, Solar Physics 256, 409-425. doi: [10.1007/s11207-009-9356-3](https://doi.org/10.1007/s11207-009-9356-3).

Multi-spacecraft Observations of CIR-Associated Ion Increases During the Ulysses 2007 Ecliptic Crossing.

Eastwood, J. P., Bale, S. D., Maksimovic, M., Zouganelis, I., Goetz, K., Kaiser, M. L., Bougeret, J.-L.: 2009, Radio Science 44, RS4012. doi: [10.1029/2009RS004146](https://doi.org/10.1029/2009RS004146).

Measurements of stray antenna capacitance in the STEREO/WAVES instrument: Comparison of the radio frequency voltage spectrum with models of the galactic nonthermal continuum spectrum.

Eriksson, S., Gosling, J. T., Phan, T. D., Blush, L. M., Simunac, K. D. C., Krauss-Varban, D., Szabo, A., Luhmann, J. G., Russell, C. T., Galvin, A. B., Acuna, M. H.: 2009, Journal of Geophysical Research (Space Physics) 114, A07103. doi: [10.1029/2008JA013990](https://doi.org/10.1029/2008JA013990).

Asymmetric shear flow effects on magnetic field configuration within oppositely directed solar wind reconnection exhausts.

Eyles, C. J., Harrison, R. A., Davis, C. J., Waltham, N. R., Shaughnessy, B. M., Mapson-Menard, H. C. A., Bewsher, D., Crothers, S. R., Davies, J. A., Simnett, G. M., Howard, R. A., Moses, J. D., Newmark, J. S., Socker, D. G., Halain, J.-P., Defise, J.-M., Mazy, E., Rochus, P.: 2009, Solar Physics 254, 387-445. doi: [10.1007/s11207-008-9299-0](https://doi.org/10.1007/s11207-008-9299-0).

The Heliospheric Imagers Onboard the STEREO Mission.

Feng, L., Inhester, B., Solanki, S. K., Wilhelm, K., Wiegelmann, T., Podlipnik, B., Howard, R. A., Plunkett, S. P., Wuelser, J. P., Gan, W. Q.: 2009, *The Astrophysical Journal* 700, 292-301. doi: [10.1088/0004-637X/700/1/292](https://doi.org/10.1088/0004-637X/700/1/292).

Stereoscopic Polar Plume Reconstructions from STEREO/SECCHI Images.

Foullon, C., Lavraud, B., Wardle, N. C., Owen, C. J., Kucharek, H., Fazakerley, A. N., Larson, D. E., Lucek, E., Luhmann, J. G., Opitz, A., Sauvaud, J.-A., Skoug, R. M.: 2009, *Solar Physics* 259, 389-416. doi: [10.1007/s11207-009-9452-4](https://doi.org/10.1007/s11207-009-9452-4).

The Apparent Layered Structure of the Heliospheric Current Sheet: Multi-Spacecraft Observations.

Frazin, R. A., Jacob, M., Manchester, W. B., IV, Morgan, H., Wakin, M. B.: 2009, *The Astrophysical Journal* 695, 636-641. doi: [10.1088/0004-637X/695/1/636](https://doi.org/10.1088/0004-637X/695/1/636).

Toward Reconstruction of Coronal Mass Ejection Density from Only Three Points of View.

Frazin, R. A., Vásquez, A. M., Kamalabadi, F.: 2009, *The Astrophysical Journal* 701, 547-560. doi: [10.1088/0004-637X/701/1/547](https://doi.org/10.1088/0004-637X/701/1/547).

Quantitative, Three-dimensional Analysis of the Global Corona with Multi-spacecraft Differential Emission Measure Tomography.

Galvin, A. B., Popecki, M. A., Simunac, K. D. C., Kistler, L. M., Ellis, L., Barry, J., Berger, L., Blush, L. M., Bochsler, P., Farrugia, C. J., Jian, L. K., Kilpua, E. K. J., Klecker, B., Lee, M., Liu, Y. C.-M., Luhmann, J. L., Möbius, E., Opitz, A., Russell, C. T., Thompson, B., Wimmer-Schweingruber, R. F., Wurz, P.: 2009, *Annales Geophysicae* 27, 3909-3922. doi: [10.5194/angeo-27-3909-2009](https://doi.org/10.5194/angeo-27-3909-2009).

Solar wind ion trends and signatures: STEREO PLASTIC observations approaching solar minimum.

Gómez-Herrero, R., Klassen, A., Mueller-Mellin, R., Heber, B., Wimmer-Schweingruber, R., Böttcher, S.: 2009, *Journal of Geophysical Research (Space Physics)* 114, A05101. doi: [10.1029/2008JA013755](https://doi.org/10.1029/2008JA013755).

Recurrent CIR-accelerated ions observed by STEREO SEPT.

Gopalswamy, N., Thompson, W. T., Davila, J. M., Kaiser, M. L., Yashiro, S., Mäkelä, P., Michalek, G., Bougeret, J.-L., Howard, R. A.: 2009, *Solar Physics* 259, 227-254. doi: [10.1007/s11207-009-9382-1](https://doi.org/10.1007/s11207-009-9382-1).

Relation Between Type II Bursts and CMEs Inferred from STEREO Observations.

Gopalswamy, N., Yashiro, S., Temmer, M., Davila, J., Thompson, W. T., Jones, S., McAteer, R. T. J., Wuelser, J.-P., Freeland, S., Howard, R. A.: 2009, *The Astrophysical Journal* 691, L123-L127. doi: [10.1088/0004-637X/691/2/L123](https://doi.org/10.1088/0004-637X/691/2/L123).

EUV Wave Reflection from a Coronal Hole.

Gosain, S., Schmieder, B., Venkatakrishnan, P., Chandra, R., Artzner, G.: 2009, *Solar Physics* 259, 13-30. doi: [10.1007/s11207-009-9448-0](https://doi.org/10.1007/s11207-009-9448-0).

3D Evolution of a Filament Disappearance Event Observed by STEREO.

Harrison, R. A., Davies, J. A., Rouillard, A. P., Davis, C. J., Eyles, C. J., Bewsher, D., Crothers, S. R., Howard, R. A., Sheeley, N. R., Vourlidas, A., Webb, D. F., Brown, D. S., Dorrian, G. D.: 2009, *Solar Physics* 256, 219-237. doi: [10.1007/s11207-009-9352-7](https://doi.org/10.1007/s11207-009-9352-7).

Two Years of the STEREO Heliospheric Imagers. Invited Review.

Harrison, R. A., Davis, C. J., Davies, J. A.: 2009, Solar Physics 259, 277-296. doi:[10.1007/s11207-009-9417-7](https://doi.org/10.1007/s11207-009-9417-7).

Pre-CME Onset Fuses - Do the STEREO Heliospheric Imagers Hold the Clues to the CME Onset Process?

Henri, P., Briand, C., Mangeney, A., Bale, S. D., Califano, F., Goetz, K., Kaiser, M.: 2009, Journal of Geophysical Research (Space Physics) 114, A03103. doi:[10.1029/2008JA013738](https://doi.org/10.1029/2008JA013738).
Evidence for wave coupling in type III emissions.

Hsieh, K. C., Frisch, P. C., Giacalone, J., Jokipii, J. R., Kóta, J., Larson, D. E., Lin, R. P., Luhmann, J. G., Wang, L.: 2009, The Astrophysical Journal 694, L79-L82. doi:[10.1088/0004-637X/694/1/L79](https://doi.org/10.1088/0004-637X/694/1/L79).

A Re-Interpretation of STEREO/STE Observations and Its Consequences.

Innes, D.E., Genetelli, A., Attie, R., Potts, H.E.: 2009, Astronomy and Astrophysics, 495, 319-323. doi:[10.1051/0004-6361:200811011](https://doi.org/10.1051/0004-6361:200811011).

Quiet Sun mini-coronal mass ejections activated by supergranular flows.

Jia, Y. D., Russell, C. T., Jian, L. K., Manchester, W. B., Cohen, O., Vourlidas, A., Hansen, K. C., Combi, M. R., Gombosi, T. I.: 2009, The Astrophysical Journal 696, L56-L60. doi:[10.1088/0004-637X/696/1/L56](https://doi.org/10.1088/0004-637X/696/1/L56).

Study of the 2007 April 20 CME-Comet Interaction Event with an MHD Model.

Jian, L. K., Russell, C. T., Luhmann, J. G., Galvin, A. B., MacNeice, P. J.: 2009, Solar Physics 259, 345-360. doi:[10.1007/s11207-009-9445-3](https://doi.org/10.1007/s11207-009-9445-3).

Multi-Spacecraft Observations: Stream Interactions and Associated Structures.

Jian, L. K., Russell, C. T., Luhmann, J. G., Strangeway, R. J., Leisner, J. S., Galvin, A. B.: 2009, The Astrophysical Journal 701, L105-L109. doi:[10.1088/0004-637X/701/2/L105](https://doi.org/10.1088/0004-637X/701/2/L105).

Ion Cyclotron Waves in the Solar Wind Observed by STEREO Near 1 AU.

Jones, S. I., Davila, J. M.: 2009, The Astrophysical Journal 701, 1906-1910. doi:[10.1088/0004-637X/701/2/1906](https://doi.org/10.1088/0004-637X/701/2/1906).

Localized Plasma Density Enhancements Observed in STEREO COR1.

Kellogg, P. J., Goetz, K., Monson, S. J., Bale, S. D., Reiner, M. J., Maksimovic, M.: 2009, Journal of Geophysical Research (Space Physics) 114, A02107. doi:[10.1029/2008JA013566](https://doi.org/10.1029/2008JA013566).

Plasma wave measurements with STEREO S/WAVES: Calibration, potential model, and preliminary results.

Kienreich, I. W., Temmer, M., Veronig, A. M.: 2009, The Astrophysical Journal 703, L118-L122. doi:[10.1088/0004-637X/703/2/L118](https://doi.org/10.1088/0004-637X/703/2/L118).

STEREO Quadrature Observations of the Three-Dimensional Structure and Driver of a Global Coronal Wave.

Kilpua, E. K. J., Liewer, P. C., Farrugia, C., Luhmann, J. G., Möstll, C., Li, Y., Liu, Y., Lynch, B. J., Russell, C. T., Vourlidas, A., Acuna, M. H., Galvin, A. B., Larson, D., Sauvaud, J. A.: 2009, Solar Physics 254, 325-344. doi:[10.1007/s11207-008-9300-y](https://doi.org/10.1007/s11207-008-9300-y).

Multispacecraft Observations of Magnetic Clouds and Their Solar Origins between 19 and 23 May 2007.

Kilpua, E. K. J., Luhmann, J. G., Gosling, J., Li, Y., Elliott, H., Russell, C. T., Jian, L., Galvin, A. B., Larson, D., Schroeder, P., Simunac, K., Petrie, G.: 2009, Solar Physics 256, 327-344. doi:[10.1007/s11207-009-9366-1](https://doi.org/10.1007/s11207-009-9366-1).

Small Solar Wind Transients and Their Connection to the Large-Scale Coronal Structure.

Kilpua, E. K. J., Pomoell, J., Vourlidas, A., Vainio, R., Luhmann, J., Li, Y., Schroeder, P., Galvin, A. B., Simunac, K.: 2009, Annales Geophysicae 27, 4491-4503. doi:[10.5194/angeo-27-4491-2009](https://doi.org/10.5194/angeo-27-4491-2009).
STEREO observations of interplanetary coronal mass ejections and prominence deflection during solar minimum period.

Klassen, A., Gómez-Herrero, R., Mueller-Mellin, R., Blödtcher, S., Heber, B., Wimmer-Schweingruber, R., Mason, G. M.: 2009, Annales Geophysicae 27, 2077-2085. doi:[10.5194/angeo-27-2077-2009](https://doi.org/10.5194/angeo-27-2077-2009).

STEREO/SEPT observations of upstream particle events: almost monoenergetic ion beams.

Kramar, M., Jones, S., Davila, J., Inhester, B., Mierla, M.: 2009, Solar Physics 259, 109-121. doi:[10.1007/s11207-009-9401-2](https://doi.org/10.1007/s11207-009-9401-2).

On the Tomographic Reconstruction of the 3D Electron Density for the Solar Corona from STEREO COR1 Data.

Krista, L. D., Gallagher, P. T.: 2009, Solar Physics 256, 87-100. doi:[10.1007/s11207-009-9357-2](https://doi.org/10.1007/s11207-009-9357-2).
Automated Coronal Hole Detection Using Local Intensity Thresholding Techniques.

Landi, E., Miralles, M. P., Curdt, W., Hara, H.: 2009, The Astrophysical Journal 695, 221-237. doi:[10.1088/0004-637X/695/1/221](https://doi.org/10.1088/0004-637X/695/1/221).

Physical Properties of Cooling Plasma in Quiescent Active Region Loops.

Lavraud, B., Gosling, J. T., Rouillard, A. P., Fedorov, A., Opitz, A., Sauvaud, J.-A., Foullon, C., Dandouras, I., Génot, V., Jacquey, C., Louarn, P., Mazelle, C., Penou, E., Phan, T. D., Larson, D. E., Luhmann, J. G., Schroeder, P., Skoug, R. M., Steinberg, J. T., Russell, C. T.: 2009, Solar Physics 256, 379-392. doi:[10.1007/s11207-009-9341-x](https://doi.org/10.1007/s11207-009-9341-x).

Observation of a Complex Solar Wind Reconnection Exhaust from Spacecraft Separated by over 1800 R_E.

Lee, C. O., Luhmann, J. G., Zhao, X. P., Liu, Y., Riley, P., Arge, C. N., Russell, C. T., de Pater, I.: 2009, Solar Physics 256, 345-363. doi:[10.1007/s11207-009-9345-6](https://doi.org/10.1007/s11207-009-9345-6).

Effects of the Weak Polar Fields of Solar Cycle 23: Investigation Using OMNI for the STEREO Mission Period.

Leitner, M., Farrugia, C. J., Galvin, A., Simunac, K. D. C., Biernat, H. K., Osherovich, V. A.: 2009, Solar Physics 259, 381-388. doi:[10.1007/s11207-009-9412-z](https://doi.org/10.1007/s11207-009-9412-z).

The Solar Wind Quasi-Invariant Observed by STEREO A and B at Solar Minimum 2007 and Comparison with Two Other Minima.

Liewer, P. C., de Jong, E. M., Hall, J. R., Howard, R. A., Thompson, W. T., Culhane, J. L., Bone, L., van Driel-Gesztelyi, L.: 2009, Solar Physics 256, 57-72. doi:[10.1007/s11207-009-9363-4](https://doi.org/10.1007/s11207-009-9363-4).

Stereoscopic Analysis of the 19 May 2007 Erupting Filament.

Liu, Y., Luhmann, J. G., Bale, S. D., Lin, R. P.: 2009, The Astrophysical Journal 691, L151-L155. doi:[10.1088/0004-637X/691/2/L151](https://doi.org/10.1088/0004-637X/691/2/L151).

Relationship Between a Coronal Mass Ejection-Driven Shock and a Coronal Metric Type II Burst.

Louarn, P., Diéval, C., Génot, V., Lavraud, B., Opitz, A., Fedorov, A., Sauvaud, J. A., Larson, D., Galvin, A., Acuna, M. H., Luhmann, J.: 2009, Solar Physics 259, 311-321. doi:[10.1007/s11207-009-9402-1](https://doi.org/10.1007/s11207-009-9402-1).

On the Temporal Variability of the ``Strahl'' and Its Relationship with Solar Wind Characteristics: STEREO SWEA Observations.

Lugaz, N., Vourlidas, A., Roussev, I. I.: 2009, Annales Geophysicae 27, 3479-3488. doi:[10.5194/angeo-27-3479-2009](https://doi.org/10.5194/angeo-27-3479-2009).

Deriving the radial distances of wide coronal mass ejections from elongation measurements in the heliosphere - application to CME-CME interaction.

Lugaz, N., Vourlidas, A., Roussev, I. I., Morgan, H.: 2009, Solar Physics 256, 269-284. doi:[10.1007/s11207-009-9339-4](https://doi.org/10.1007/s11207-009-9339-4).

Solar - Terrestrial Simulation in the STEREO Era: The 24 - 25 January 2007 Eruptions.

Luhmann, J. G., Lee, C. O., Li, Y., Arge, C. N., Galvin, A. B., Simunac, K., Russell, C. T., Howard, R. A., Petrie, G.: 2009, Solar Physics 256, 285-305. doi:[10.1007/s11207-009-9354-5](https://doi.org/10.1007/s11207-009-9354-5).

Solar Wind Sources in the Late Declining Phase of Cycle 23: Effects of the Weak Solar Polar Field on High Speed Streams.

Ma, S., Wills-Davey, M. J., Lin, J., Chen, P. F., Attrill, G. D. R., Chen, H., Zhao, S., Li, Q., Golub, L.: 2009, The Astrophysical Journal 707, 503-509. doi:[10.1088/0004-637X/707/1/503](https://doi.org/10.1088/0004-637X/707/1/503).

A New View of Coronal Waves from STEREO.

Malandraki, O. E., Marsden, R. G., Lario, D., Tranquille, C., Heber, B., Mewaldt, R. A., Cohen, C. M. S., Lanzerotti, L. J., Forsyth, R. J., Elliott, H. A., Vogiatzis, I. I., Geranios, A.: 2009, The Astrophysical Journal 704, 469-476. doi:[10.1088/0004-637X/704/1/469](https://doi.org/10.1088/0004-637X/704/1/469).

Energetic Particle Observations and Propagation in the Three-dimensional Heliosphere During the 2006 December Events.

Malaspina, D. M., Li, B., Cairns, I. H., Robinson, P. A., Kuncic, Z., Ergun, R. E.: 2009, Journal of Geophysical Research (Space Physics) 114, A12101. doi:[10.1029/2009JA014493](https://doi.org/10.1029/2009JA014493).

Terrestrial foreshock Langmuir waves: STEREO observations, theoretical modeling, and quasi-linear simulations.

Maloney, S. A., Gallagher, P. T., McAteer, R. T. J.: 2009, Solar Physics 256, 149-166. doi:[10.1007/s11207-009-9364-3](https://doi.org/10.1007/s11207-009-9364-3).

Reconstructing the 3-D Trajectories of CMEs in the Inner Heliosphere.

Mason, G. M., Desai, M. I., Mall, U., Korth, A., Bucik, R., von Rosenvinge, T. T., Simunac, K. D.: 2009, Solar Physics 256, 393-408. doi:[10.1007/s11207-009-9367-0](https://doi.org/10.1007/s11207-009-9367-0).

In situ Observations of CIRs on STEREO, Wind, and ACE During 2007 - 2008.

Mewaldt, R. A., Leske, R. A., Stone, E. C., Barghouty, A. F., Labrador, A. W., Cohen, C. M. S., Cummings, A. C., Davis, A. J., von Rosenvinge, T. T., Wiedenbeck, M. E.: 2009, The Astrophysical Journal 693, L11-L15. doi:[10.1088/0004-637X/693/1/L11](https://doi.org/10.1088/0004-637X/693/1/L11).

STEREO Observations of Energetic Neutral Hydrogen Atoms During the 2006 December 5 Solar Flare.

Meyer-Vernet, N., Maksimovic, M., Czechowski, A., Mann, I., Zouganelis, I., Goetz, K., Kaiser, M. L., St. Cyr, O. C., Bougeret, J.-L., Bale, S. D.: 2009, Solar Physics 256, 463-474. doi:[10.1007/s11207-009-9349-2](https://doi.org/10.1007/s11207-009-9349-2).

Dust Detection by the Wave Instrument on STEREO: Nanoparticles Picked up by the Solar Wind?

Mierla, M., Inhester, B., Marqué, C., Rodriguez, L., Gissot, S., Zhukov, A. N., Berghmans, D., Davila, J.: 2009, Solar Physics 259, 123-141. doi:[10.1007/s11207-009-9416-8](https://doi.org/10.1007/s11207-009-9416-8).

On 3D Reconstruction of Coronal Mass Ejections: I. Method Description and Application to SECCHI-COR Data.

Morrill, J. S., Howard, R. A., Vourlidas, A., Webb, D. F., Kunkel, V.: 2009, Solar Physics 259, 179-197. doi:[10.1007/s11207-009-9403-0](https://doi.org/10.1007/s11207-009-9403-0).

The Impact of Geometry on Observations of CME Brightness and Propagation.

Mostll, C., Farrugia, C. J., Biernat, H. K., Leitner, M., Kilpua, E. K. J., Galvin, A. B., Luhmann, J. G.: 2009, Solar Physics 256, 427-441. doi:[10.1007/s11207-009-9360-7](https://doi.org/10.1007/s11207-009-9360-7).

Optimized Grad - Shafranov Reconstruction of a Magnetic Cloud Using STEREO-Wind Observations.

Mostll, C., Farrugia, C. J., Miklenic, C., Temmer, M., Galvin, A. B., Luhmann, J. G., Kilpua, E. K. J., Leitner, M., Nieves-Chinchilla, T., Veronig, A., Biernat, H. K.: 2009, Journal of Geophysical Research (Space Physics) 114, A04102. doi:[10.1029/2008JA013657](https://doi.org/10.1029/2008JA013657).

Multispacecraft recovery of a magnetic cloud and its origin from magnetic reconnection on the Sun.

Möstll, C., Farrugia, C. J., Temmer, M., Miklenic, C., Veronig, A. M., Galvin, A. B., Leitner, M., Biernat, H. K.: 2009, The Astrophysical Journal 705, L180-L185. doi:[10.1088/0004-637X/705/2/L180](https://doi.org/10.1088/0004-637X/705/2/L180).

Linking Remote Imagery of a Coronal Mass Ejection to Its In Situ Signatures at 1 AU.

Nisticò, G., Bothmer, V., Patsourakos, S., Zimbardo, G.: 2009, Solar Physics 259, 87-108. doi:[10.1007/s11207-009-9424-8](https://doi.org/10.1007/s11207-009-9424-8).

Characteristics of EUV Coronal Jets Observed with STEREO/SECCHI.

Noglik, J. B., Walsh, R. W., Maclean, R. C., Marsh, M. S.: 2009, The Astrophysical Journal 703, 1923-1938. doi:[10.1088/0004-637X/703/2/1923](https://doi.org/10.1088/0004-637X/703/2/1923).

Deconstructing Active Region AR10961 Using STEREO, Hinode, TRACE, and SOHO.

Odstrcil, D., Pizzo, V. J.: 2009, Solar Physics 259, 297-309. doi:[10.1007/s11207-009-9449-z](https://doi.org/10.1007/s11207-009-9449-z).

Numerical Heliospheric Simulations as Assisting Tool for Interpretation of Observations by STEREO Heliospheric Imagers.

Ofman, L.: 2009, Space Science Reviews 149, 153-174. doi:[10.1007/s11214-009-9501-1](https://doi.org/10.1007/s11214-009-9501-1).

Progress, Challenges, and Perspectives of the 3D MHD Numerical Modeling of Oscillations in the Solar Corona.

Opitz, A., Karrer, R., Wurz, P., Galvin, A. B., Bochsler, P., Blush, L. M., Daoudi, H., Ellis, L., Farrugia, C. J., Giannanco, C., Kistler, L. M., Klecker, B., Kucharek, H., Lee, M. A., Möbius, E., Popecki, M., Sigrist, M., Simunac, K., Singer, K., Thompson, B., Wimmer-Schweingruber, R. F.: 2009, Solar Physics 256, 365-377. doi:[10.1007/s11207-008-9304-7](https://doi.org/10.1007/s11207-008-9304-7).

Temporal Evolution of the Solar Wind Bulk Velocity at Solar Minimum by Correlating the STEREO A and B PLASTIC Measurements.

Oswald, T. H., Macher, W., Rucker, H. O., Fischer, G., Taubenschuss, U., Bougeret, J. L., Lecacheux, A., Kaiser, M. L., Goetz, K.: 2009, Advances in Space Research 43, 355-364. doi:[10.1016/j.asr.2008.07.017](https://doi.org/10.1016/j.asr.2008.07.017).

Various methods of calibration of the STEREO/WAVES antennas.

Panchenko, M., Khodachenko, M. L., Kislyakov, A. G., Rucker, H. O., Hanasz, J., Kaiser, M. L., Bale, S. D., Lamy, L., Cecconi, B., Zarka, P., Goetz, K.: 2009, Geophysical Research Letters 36, L06102. doi:[10.1029/2008GL037042](https://doi.org/10.1029/2008GL037042).

Daily variations of auroral kilometric radiation observed by STEREO.

Pasachoff, J. M., Rusin, V., Druckmüller, M., Aniol, P., Saniga, M., Minarovjech, M.: 2009, The Astrophysical Journal 702, 1297-1308. doi:[10.1088/0004-637X/702/2/1297](https://doi.org/10.1088/0004-637X/702/2/1297).
The 2008 August 1 Eclipse Solar-Minimum Corona Unraveled.

Patsourakos, S., Vourlidas, A.: 2009, The Astrophysical Journal 700, L182-L186. doi:[10.1088/0004-637X/700/2/L182](https://doi.org/10.1088/0004-637X/700/2/L182).

Extreme Ultraviolet Waves are Waves: First Quadrature Observations of an Extreme Ultraviolet Wave from STEREO.

Patsourakos, S., Vourlidas, A., Wang, Y. M., Stenborg, G., Thernisien, A.: 2009, Solar Physics 259, 49-71. doi:[10.1007/s11207-009-9386-x](https://doi.org/10.1007/s11207-009-9386-x).

What Is the Nature of EUV Waves? First STEREO 3D Observations and Comparison with Theoretical Models.

Pick, M., Kerdraon, A., Auchère, F., Stenborg, G., Bouteille, A., Soubrié, E.: 2009, Solar Physics 256, 101-110. doi:[10.1007/s11207-009-9359-0](https://doi.org/10.1007/s11207-009-9359-0).

Coronal and Interplanetary Structures Associated with Type III Bursts.

Preiss, S., Temmer, M., Hanslmeier, A.: 2009, Central European Astrophysical Bulletin 33, 125-129.

Triangulation of CME Source Region Locations on the Sun and Dependence on Spacecraft Observation Angles.

Raouafi, N.-E.: 2009, The Astrophysical Journal 691, L128-L132. doi:[10.1088/0004-637X/691/2/L128](https://doi.org/10.1088/0004-637X/691/2/L128).

Observational Evidence for Coronal Twisted Flux Rope.

Reiner, M. J., Goetz, K., Fainberg, J., Kaiser, M. L., Maksimovic, M., Cecconi, B., Hoang, S., Bale, S. D., Bougeret, J.-L.: 2009, Solar Physics 259, 255-276. doi:[10.1007/s11207-009-9404-z](https://doi.org/10.1007/s11207-009-9404-z).

Multipoint Observations of Solar Type III Radio Bursts from STEREO and Wind.

Robbrecht, E., Patsourakos, S., Vourlidas, A.: 2009, The Astrophysical Journal 701, 283-291. doi:[10.1088/0004-637X/701/1/283](https://doi.org/10.1088/0004-637X/701/1/283).

No Trace Left Behind: STEREO Observation of a Coronal Mass Ejection Without Low Coronal Signatures.

Rodriguez, L., Zhukov, A. N., Gissot, S., Mierla, M.: 2009, Solar Physics 256, 41-55. doi:[10.1007/s11207-009-9355-4](https://doi.org/10.1007/s11207-009-9355-4).

Three-Dimensional Reconstruction of Active Regions.

Rouillard, A. P., Davies, J. A., Forsyth, R. J., Savani, N. P., Sheeley, N. R., Thernisien, A., Zhang, T.-L., Howard, R. A., Anderson, B., Carr, C. M., Tsang, S., Lockwood, M., Davis, C. J., Harrison, R. A., Bewsher, D., Frì_nz, M., Crothers, S. R., Eyles, C. J., Brown, D. S., Whittaker, I., Hapgood, M., Coates, A. J., Jones, G. H., Grande, M., Frahm, R. A., Winningham, J. D.: 2009, Journal of Geophysical Research (Space Physics) 114, A07106. doi:[10.1029/2008JA014034](https://doi.org/10.1029/2008JA014034).

A solar storm observed from the Sun to Venus using the STEREO, Venus Express, and MESSENGER spacecraft.

Rouillard, A. P., Savani, N. P., Davies, J. A., Lavraud, B., Forsyth, R. J., Morley, S. K., Opitz, A., Sheeley, N. R., Burlaga, L. F., Sauvaud, J.-A., Simunac, K. D. C., Luhmann, J. G., Galvin, A. B., Crothers, S. R., Davis, C. J., Harrison, R. A., Lockwood, M., Eyles, C. J., Bewsher, D., Brown, D. S.: 2009, Solar Physics 256, 307-326. doi:[10.1007/s11207-009-9329-6](https://doi.org/10.1007/s11207-009-9329-6).

A Multispacecraft Analysis of a Small-Scale Transient Entrained by Solar Wind Streams.

Ruan, P., Korth, A., Marsch, E., Inhester, B., Solanki, S., Wiegmann, T., Zong, Q.-G., Bucik, R., Fornaon, K.-H.: 2009, Journal of Geophysical Research (Space Physics) 114, A02108. doi:[10.1029/2008JA013769](https://doi.org/10.1029/2008JA013769).

Multiple-spacecraft study of an extended magnetic structure in the solar wind.

Russell, C. T., Blanco-Cano, X., Jian, L. K., Luhmann, J. G.: 2009, Geophysical Research Letters 36, L05106. doi:[10.1029/2008GL037113](https://doi.org/10.1029/2008GL037113).

Mirror-mode storms: STEREO observations of protracted generation of small amplitude waves.

Russell, C. T., Jian, L. K., Blanco Cano, X., Luhmann, J. G., Zhang, T. L.: 2009, Geophysical Research Letters 36, L02103. doi:[10.1029/2008GL036337](https://doi.org/10.1029/2008GL036337).

STEREO observations of shock formation in the solar wind.

Russell, C. T., Jian, L. K., Blanco-Cano, X., Luhmann, J. G.: 2009, Geophysical Research Letters 36, L03106. doi:[10.1029/2008GL036991](https://doi.org/10.1029/2008GL036991).

STEREO observations of upstream and downstream waves at low Mach number shocks.

Russell, C. T., Jian, L. K., Luhmann, J. G.: 2009, Geophysical Research Letters 36, L07105. doi:[10.1029/2009GL037615](https://doi.org/10.1029/2009GL037615).

An unusual current sheet in an ICME: Possible association with C/2006 P1 (McNaught).

Sandman, A. W., Aschwanden, M. J., Derosa, M. L., Wuelser, J. P., Alexander, D.: 2009, Solar Physics 259, 1-11. doi:[10.1007/s11207-009-9383-0](https://doi.org/10.1007/s11207-009-9383-0).

Comparison of STEREO/EUVI Loops with Potential Magnetic Field Models.

Savani, N. P., Rouillard, A. P., Davies, J. A., Owens, M. J., Forsyth, R. J., Davis, C. J., Harrison, R. A.: 2009, Annales Geophysicae 27, 4349-4358. doi:[10.5194/angeo-27-4349-2009](https://doi.org/10.5194/angeo-27-4349-2009).

The radial width of a Coronal Mass Ejection between 0.1 and 0.4 AU estimated from the Heliospheric Imager on STEREO.

Sheeley, N. R., Jr., Lee, D. D.-H., Casto, K. P., Wang, Y.-M., Rich, N. B.: 2009, The Astrophysical Journal 694, 1471-1480. doi:[10.1088/0004-637X/694/2/1471](https://doi.org/10.1088/0004-637X/694/2/1471).

The Structure of Streamer Blobs.

Simunac, K. D. C., Kistler, L. M., Galvin, A. B., Lee, M. A., Popecki, M. A., Farrugia, C., Möbius, E., Blush, L. M., Bochsler, P., Wurz, P., Klecker, B., Wimmer-Schweingruber, R. F., Thompson, B.,

Luhmann, J. G., Russell, C. T., Howard, R. A.: 2009, Solar Physics 259, 323-344. doi:[10.1007/s11207-009-9393-y](https://doi.org/10.1007/s11207-009-9393-y).

In Situ Observations of Solar Wind Stream Interface Evolution.

Simunac, K. D. C., Kistler, L. M., Galvin, A. B., Popecki, M. A., Farrugia, C. J.: 2009, Annales Geophysicae 27, 3805-3809. doi:[10.5194/angeo-27-3805-2009](https://doi.org/10.5194/angeo-27-3805-2009).

In situ observations from STEREO/PLASTIC: a test for L5 space weather monitors.

Simunac, K.D.C.: 2009, Ph.D. dissertation, University of New Hampshire. doi:
Solar wind stream interfaces: the importance of time, longitude, and latitude separation between points of observation.

Srivastava, N., Inhester, B., Mierla, M., Podlipnik, B.: 2009, Solar Physics 259, 213-225. doi:[10.1007/s11207-009-9423-9](https://doi.org/10.1007/s11207-009-9423-9).

3D Reconstruction of the Leading Edge of the 20 May 2007 Partial Halo CME.

St. Cyr, O. C., Kaiser, M. L., Meyer-Vernet, N., Howard, R. A., Harrison, R. A., Bale, S. D., Thompson, W. T., Goetz, K., Maksimovic, M., Bougeret, J.-L., Wang, D., Crothers, S.: 2009, Solar Physics 256, 475-488. doi:[10.1007/s11207-009-9362-5](https://doi.org/10.1007/s11207-009-9362-5).

STEREO SECCHI and S/WAVES Observations of Spacecraft Debris Caused by Micron-Size Interplanetary Dust Impacts.

Su, Y., van Ballegooijen, A., Schmieder, B., Berlicki, A., Guo, Y., Golub, L., Huang, G.: 2009, The Astrophysical Journal 704, 341-353. doi:[10.1088/0004-637X/704/1/341](https://doi.org/10.1088/0004-637X/704/1/341).

Flare Energy Build-up in a Decaying Active Region Near a Coronal Hole.

Tappin, S. J., Howard, T. A.: 2009, The Astrophysical Journal 702, 862-870. doi:[10.1088/0004-637X/702/2/862](https://doi.org/10.1088/0004-637X/702/2/862).

Direct Observation of a Corotating Interaction Region by Three Spacecraft.

Temmer, M., Preiss, S., Veronig, A. M.: 2009, Solar Physics 256, 183-199. doi:[10.1007/s11207-009-9336-7](https://doi.org/10.1007/s11207-009-9336-7).

CME Projection Effects Studied with STEREO/COR and SOHO/LASCO.

Thernisien, A., Vourlidas, A., Howard, R. A.: 2009, Solar Physics 256, 111-130. doi:[10.1007/s11207-009-9346-5](https://doi.org/10.1007/s11207-009-9346-5).

Forward Modeling of Coronal Mass Ejections Using STEREO/SECCHI Data.

Thompson, W. T.: 2009, Icarus 200, 351-357. doi:[10.1016/j.icarus.2008.12.011](https://doi.org/10.1016/j.icarus.2008.12.011).
3D triangulation of a Sun-grazing comet.

Tian, H., Marsch, E., Curdt, W., He, J.: 2009, The Astrophysical Journal 704, 883-890. doi:[10.1088/0004-637X/704/1/883](https://doi.org/10.1088/0004-637X/704/1/883).

Upflows in Funnel-like Legs of Coronal Magnetic Loops.

Tripathi, D., Kliem, B., Mason, H. E., Young, P. R., Green, L. M.: 2009, The Astrophysical Journal 698, L27-L32. doi:[10.1088/0004-637X/698/1/L27](https://doi.org/10.1088/0004-637X/698/1/L27).

Temperature Tomography of a Coronal Sigmoid Supporting the Gradual Formation of a Flux Rope.

Vásquez, A. M., Frazin, R. A.: 2009, Boletin de la Asociacion Argentina de Astronomia La Plata Argentina 52, 23-26. doi:
Multi-Spacecraft 3D differential emission measure tomography of the solar corona: STEREO results..

Vásquez, A. M., Frazin, R. A., Kamalabadi, F.: 2009, Solar Physics 256, 73-85. doi:[10.1007/s11207-009-9321-1](https://doi.org/10.1007/s11207-009-9321-1).

3D Temperatures and Densities of the Solar Corona via Multi-Spacecraft EUV Tomography: Analysis of Prominence Cavities.

Verwichte, E., Aschwanden, M. J., Van Doorsselaere, T., Foullon, C., Nakariakov, V. M.: 2009, The Astrophysical Journal 698, 397-404. doi:[10.1088/0004-637X/698/1/397](https://doi.org/10.1088/0004-637X/698/1/397).

Seismology of a Large Solar Coronal Loop from EUVI/STEREO Observations of its Transverse Oscillation.

von Rosenvinge, T. T., Richardson, I. G., Reames, D. V., Cohen, C. M. S., Cummings, A. C., Leske, R. A., Mewaldt, R. A., Stone, E. C., Wiedenbeck, M. E.: 2009, Solar Physics 256, 443-462. doi:[10.1007/s11207-009-9353-6](https://doi.org/10.1007/s11207-009-9353-6).

The Solar Energetic Particle Event of 14 December 2006.

Webb, D. F., Howard, T. A., Fry, C. D., Kuchar, T. A., Odstrcil, D., Jackson, B. V., Bisi, M. M., Harrison, R. A., Morrill, J. S., Howard, R. A., Johnston, J. C.: 2009, Solar Physics 256, 239-267. doi:[10.1007/s11207-009-9351-8](https://doi.org/10.1007/s11207-009-9351-8).

Study of CME Propagation in the Inner Heliosphere: SOHO LASCO, SMEI and STEREO HI Observations of the January 2007 Events.

Wiegmann, T., Inhester, B., Feng, L.: 2009, Annales Geophysicae 27, 2925-2936. doi:[10.5194/angeo-27-2925-2009](https://doi.org/10.5194/angeo-27-2925-2009).

Solar stereoscopy - where are we and what developments do we require to progress?

Wood, B. E., Howard, R. A.: 2009, The Astrophysical Journal 702, 901-910. doi:[10.1088/0004-637X/702/2/901](https://doi.org/10.1088/0004-637X/702/2/901).

An Empirical Reconstruction of the 2008 April 26 Coronal Mass Ejection.

Wood, B. E., Howard, R. A., Plunkett, S. P., Socker, D. G.: 2009, The Astrophysical Journal 694, 707-717. doi:[10.1088/0004-637X/694/2/707](https://doi.org/10.1088/0004-637X/694/2/707).

Comprehensive Observations of a Solar Minimum Coronal Mass Ejection with the Solar Terrestrial Relations Observatory.

Wood, B. E., Howard, R. A., Thernisien, A., Plunkett, S. P., Socker, D. G.: 2009, Solar Physics 259, 163-178. doi:[10.1007/s11207-009-9391-0](https://doi.org/10.1007/s11207-009-9391-0).

Reconstructing the 3D Morphology of the 17 May 2008 CME.

Xie, H., St. Cyr, O. C., Gopalswamy, N., Yashiro, S., Krall, J., Kramar, M., Davila, J.: 2009, Solar Physics 259, 143-161. doi:[10.1007/s11207-009-9422-x](https://doi.org/10.1007/s11207-009-9422-x).

On the Origin, 3D Structure and Dynamic Evolution of CMEs Near Solar Minimum.

Yang, S. H., Zhang, J., Jin, C. L., Li, L. P., Duan, H. Y.: 2009, Astronomy and Astrophysics 501, 745-753. doi:[10.1051/0004-6361/200810601](https://doi.org/10.1051/0004-6361/200810601).

Response of the solar atmosphere to magnetic field evolution in a coronal hole region.

Zhukov, A. N., Rodriguez, L., de Patoul, J.: 2009, Solar Physics 259, 73-85. doi:[10.1007/s11207-009-9375-0](https://doi.org/10.1007/s11207-009-9375-0).

STEREO/SECCHI Observations on 8 December 2007: Evidence Against the Wave Hypothesis of the EIT Wave Origin.

2008

Acuna, M. H., Curtis, D., Scheifele, J. L., Russell, C. T., Schroeder, P., Szabo, A., Luhmann, J. G.: 2008, Space Science Reviews 136, 203-226. doi:[10.1007/s11214-007-9259-2](https://doi.org/10.1007/s11214-007-9259-2).

The STEREO/IMPACT Magnetic Field Experiment.

Aschwanden, M. J., Burlaga, L. F., Kaiser, M. L., Ng, C. K., Reames, D. V., Reiner, M. J., Gombosi, T. I., Lugaz, N., Manchester, W., Rousset, I. I., Zurbuchen, T. H., Farrugia, C. J., Galvin, A. B., Lee, M. A., Linker, J. A., Mikic, Z., Riley, P., Alexander, D., Sandman, A. W., Cook, J. W., Howard, R. A., Odstrcil, D., Pizzo, V. J., Kóta, J., Liewer, P. C., Luhmann, J. G., Inhester, B., Schwenn, R. W., Solanki, S. K., Vasyliunas, V. M., Wiegmann, T., Blush, L., Bochsler, P., Cairns, I. H., Robinson, P. A., Bothmer, V., Kecskemeti, K., Llebaria, A., Maksimovic, M., Scholer, M., Wimmer-Schweingruber, R. F.: 2008, Space Science Reviews 136, 565-604. doi:[10.1007/s11214-006-9027-8](https://doi.org/10.1007/s11214-006-9027-8).

Theoretical modeling for the stereo mission.

Aschwanden, M. J., Nitta, N. V., Wuelser, J.-P., Lemen, J. R.: 2008, The Astrophysical Journal 680, 1477-1495. doi:[10.1086/588014](https://doi.org/10.1086/588014).

First 3D Reconstructions of Coronal Loops with the STEREO A+B Spacecraft. II. Electron Density and Temperature Measurements.

Aschwanden, M. J., Wuelser, J.-P., Nitta, N. V., Lemen, J. R.: 2008, The Astrophysical Journal 679, 827-842. doi:[10.1086/529542](https://doi.org/10.1086/529542).

First Three-Dimensional Reconstructions of Coronal Loops with the STEREO A and B Spacecraft. I. Geometry.

Auchere, F., Soubrie, E., LeGall, F.: 2008, Solar Physics 248, 213-224. doi:[10.1007/s11207-008-9163-2](https://doi.org/10.1007/s11207-008-9163-2).

FESTIVAL: A Multiscale Visualization Tool for Solar Imaging Data.

Bale, S. D., Ullrich, R., Goetz, K., Alster, N., Cecconi, B., Dekkali, M., Lingner, N. R., Macher, W., Manning, R. E., McCauley, J., Monson, S. J., Oswald, T. H., Pulupa, M.: 2008, Space Science Reviews 136, 529-547. doi:[10.1007/s11214-007-9251-x](https://doi.org/10.1007/s11214-007-9251-x).

The Electric Antennas for the STEREO/WAVES Experiment.

Biesecker, D. A., Webb, D. F., St. Cyr, O. C.: 2008, Space Science Reviews 136, 45-65. doi:[10.1007/s11214-007-9165-7](https://doi.org/10.1007/s11214-007-9165-7).

STEREO Space Weather and the Space Weather Beacon.

Bougeret, J. L., Goetz, K., Kaiser, M. L., Bale, S. D., Kellogg, P. J., Maksimovic, M., Monge, N., Monson, S. J., Astier, P. L., Davy, S., Dekkali, M., Hinze, J. J., Manning, R. E., Aguilar-Rodriguez, E., Bonnin, X., Briand, C., Cairns, I. H., Cattell, C. A., Cecconi, B., Eastwood, J., Ergun, R. E., Fainberg, J., Hoang, S., Huttunen, K. E. J., Krucker, S., Lecacheux, A., MacDowall, R. J., Macher, W., Mangeney, A., Meetre, C. A., Moussas, X., Nguyen, Q. N., Oswald, T. H., Pulupa, M., Reiner, M. J., Robinson, P. A., Rucker, H., Salem, C., Santolik, O., Silvis, J. M., Ullrich, R., Zarka, P., Zouganelis, I.: 2008, Space Science Reviews 136, 487-528. doi:[10.1007/s11214-007-9298-8](https://doi.org/10.1007/s11214-007-9298-8).

S/WAVES: The Radio and Plasma Wave Investigation on the STEREO Mission.

Cattell, C., Wygant, J. R., Goetz, K., Kersten, K., Kellogg, P. J., von Rosenvinge, T., Bale, S. D., Roth, I., Temerin, M., Hudson, M. K., Mewaldt, R. A., Wiedenbeck, M., Maksimovic, M., Ergun, R., Acuna, M., Russell, C. T.: 2008, Geophysical Research Letters 35, L01105. doi: [10.1029/2007GL032009](https://doi.org/10.1029/2007GL032009).

Discovery of very large amplitude whistler-mode waves in Earth's radiation belts.

Cecconi, B., Bonnin, X., Hoang, S., Maksimovic, M., Bale, S. D., Bougeret, J.-L., Goetz, K., Lecacheux, A., Reiner, M. J., Rucker, H. O., Zarka, P.: 2008, Space Science Reviews 136, 549-563. doi: [10.1007/s11214-007-9255-6](https://doi.org/10.1007/s11214-007-9255-6).

STEREO/Waves Goniopolarimetry.

Chifor, C., Isobe, H., Mason, H. E., Hannah, I. G., Young, P. R., Del Zanna, G., Krucker, S., Ichimoto, K., Katsukawa, Y., Yokoyama, T.: 2008, Astronomy and Astrophysics 491, 279-288. doi: [10.1051/0004-6361:200810265](https://doi.org/10.1051/0004-6361:200810265).

Magnetic flux cancellation associated with a recurring solar jet observed with Hinode, RHESSI, and STEREO/EUVI.

Curdt, W., Wilhelm, K., Feng, L., Kamio, S.: 2008, Astronomy and Astrophysics 481, L61-L64. doi: [10.1051/0004-6361:20079065](https://doi.org/10.1051/0004-6361:20079065).

Multi-spacecraft observations of polar coronal plumes.

Daoudi, S. A. H.: 2008, Ph.D. thesis, University of Bern, Switzerland. doi: [First STEREO/PLASTIC measurements of Fe charge states in the solar wind, presentation of a new method for flight data analyses.](#)

Desai, M. I., Mason, G. M., Mueller-Mellin, R., Korth, A., Mall, U., Dwyer, J. R., von Rosenvinge, T. T.: 2008, Journal of Geophysical Research (Space Physics) 113, A08103. doi: [10.1029/2007JA012909](https://doi.org/10.1029/2007JA012909).

The spatial distribution of upstream ion events from the Earth's bow shock measured by ACE, Wind, and STEREO.

Dorrian, G. D., Breen, A. R., Brown, D. S., Davies, J. A., Fallows, R. A., Rouillard, A. P.: 2008, Geophysical Research Letters 35, L24104. doi: [10.1029/2008GL036181](https://doi.org/10.1029/2008GL036181).

Simultaneous interplanetary scintillation and Heliospheric Imager observations of a coronal mass ejection.

Driesman, A., Hynes, S., Cancro, G.: 2008, Space Science Reviews 136, 17-44. doi: [10.1007/s11214-007-9286-z](https://doi.org/10.1007/s11214-007-9286-z).

The STEREO Observatory.

Eichstedt, J., Thompson, W. T., St. Cyr, O. C.: 2008, Space Science Reviews 136, 605-626. doi: [10.1007/s11214-007-9249-4](https://doi.org/10.1007/s11214-007-9249-4).

STEREO Ground Segment, Science Operations, and Data Archive.

Ergun, R. E., Malaspina, D. M., Cairns, I. H., Goldman, M. V., Newman, D. L., Robinson, P. A., Eriksson, S., Bougeret, J. L., Briand, C., Bale, S. D., Cattell, C. A., Kellogg, P. J., Kaiser, M. L.: 2008, Physical Review Letters 101, 051101. doi: [10.1103/PhysRevLett.101.051101](https://doi.org/10.1103/PhysRevLett.101.051101).

Eigenmode Structure in Solar-Wind Langmuir Waves.

Galvin, A. B., Kistler, L. M., Popecki, M. A., Farrugia, C. J., Simunac, K. D. C., Ellis, L., Möbius, E., Lee, M. A., Boehm, M., Carroll, J., Crawshaw, A., Conti, M., Demaine, P., Ellis, S., Gaidos, J.

A., Googins, J., Granoff, M., Gustafson, A., Heirtzler, D., King, B., Knauss, U., Levasseur, J., Longworth, S., Singer, K., Turco, S., Vachon, P., Vosbury, M., Widholm, M., Blush, L. M., Karrer, R., Bochsler, P., Daoudi, H., Etter, A., Fischer, J., Jost, J., Opitz, A., Sigrist, M., Wurz, P., Klecker, B., Ertl, M., Seidenschwang, E., Wimmer-Scheingruber, R. F., Koeten, M., Thompson, B., Steinfeld, D.: 2008, Space Science Reviews 136, 437-486. doi:[10.1007/s11214-007-9296-x](https://doi.org/10.1007/s11214-007-9296-x).

The Plasma and Suprathermal Ion Composition (PLASTIC) Investigation on the STEREO Observatories.

Gissot, S. F., Hochedez, J.-F., Chainais, P., Antoine, J.-P.: 2008, Solar Physics 252, 397-408. doi:[10.1007/s11207-008-9270-0](https://doi.org/10.1007/s11207-008-9270-0).

3D Reconstruction from SECCHI-EUVI Images Using an Optical-Flow Algorithm: Method Description and Observation of an Erupting Filament.

Harrison, R. A., Davis, C. J., Eyles, C. J., Bewsher, D., Crothers, S. R., Davies, J. A., Howard, R. A., Moses, D. J., Socker, D. G., Newmark, J. S., Halain, J.-P., Defise, J.-M., Mazy, E., Rochus, P., Webb, D. F., Simnett, G. M.: 2008, Solar Physics 247, 171-193. doi:[10.1007/s11207-007-9083-6](https://doi.org/10.1007/s11207-007-9083-6).
First Imaging of Coronal Mass Ejections in the Heliosphere Viewed from Outside the Sun Earth Line.

Howard, R. A., Moses, J. D., Vourlidas, A., Newmark, J. S., Socker, D. G., Plunkett, S. P., Korendyke, C. M., Cook, J. W., Hurley, A., Davila, J. M., Thompson, W. T., St Cyr, O. C., Mentzell, E., Mehalick, K., Lemen, J. R., Wuelser, J. P., Duncan, D. W., Tarbell, T. D., Wolfson, C. J., Moore, A., Harrison, R. A., Waltham, N. R., Lang, J., Davis, C. J., Eyles, C. J., Mapson-Menard, H., Simnett, G. M., Halain, J. P., Defise, J. M., Mazy, E., Rochus, P., Mercier, R., Ravet, M. F., Delmotte, F., Auchere, F., Delaboudiniere, J. P., Bothmer, V., Deutsch, W., Wang, D., Rich, N., Cooper, S., Stephens, V., Maahs, G., Baugh, R., McMullin, D., Carter, T.: 2008, Space Science Reviews 136, 67-115. doi:[10.1007/s11214-008-9341-4](https://doi.org/10.1007/s11214-008-9341-4).

Sun Earth Connection Coronal and Heliospheric Investigation (SECCHI).

Howard, T. A., Tappin, S. J.: 2008, Solar Physics 252, 373-383. doi:[10.1007/s11207-008-9262-0](https://doi.org/10.1007/s11207-008-9262-0).
Three-Dimensional Reconstruction of Two Solar Coronal Mass Ejections Using the STEREO Spacecraft.

Inhester, B., Feng, L., Wiegmann, T.: 2008, Solar Physics 248, 379-393. doi:[10.1007/s11207-007-9027-1](https://doi.org/10.1007/s11207-007-9027-1).

Segmentation of Loops from Coronal EUV Images.

Kaiser, M. L., Kucera, T. A., Davila, J. M., St. Cyr, O. C., Guhathakurta, M., Christian, E.: 2008, Space Science Reviews 136, 5-16. doi:[10.1007/s11214-007-9277-0](https://doi.org/10.1007/s11214-007-9277-0).

The STEREO Mission: An Introduction.

Krucker, S., Saint-Hilaire, P., Christe, S., White, S. M., Chavier, A. D., Bale, S. D., Lin, R. P.: 2008, The Astrophysical Journal 681, 644-649. doi:[10.1086/588549](https://doi.org/10.1086/588549).

Coronal Hard X-Ray Emission Associated with Radio Type III Bursts.

Leske, R. A., Mewaldt, R. A., Mason, G. M., Cohen, C. M. S., Cummings, A. C., Davis, A. J., Labrador, A. W., Miyasaka, H., Stone, E. C., Wiedenbeck, M. E., von Rosenvinge, T. T., Leske, R. A., Mewaldt, R. A., Mason, G. M., Cohen, C. M. S., Cummings, A. C., Davis, A. J., Labrador, A. W., Miyasaka, H., Stone, E. C., Wiedenbeck, M. E., von Rosenvinge, T. T.: 2008, American Institute of Physics Conference Series 1039, 131. doi:[10.1063/1.2982435](https://doi.org/10.1063/1.2982435).
STEREO and ACE Observations of CIR Particles.

Leske, R. A., Mewaldt, R. A., Mason, G. M., et al.: 2008, International Cosmic Ray Conference 1, 375-378. [doi:](#)

Observations of corotating interaction regions from STEREO and ACE.

Li, Y., Lynch, B. J., Stenborg, G., Luhmann, J. G., Huttunen, K. E. J., Welsch, B. T., Liewer, P. C., Vourlidas, A.: 2008, *The Astrophysical Journal* 681, L37-L40. [doi:10.1086/590340](#).

The Solar Magnetic Field and Coronal Dynamics of the Eruption on 2007 May 19.

Lin, R. P., Curtis, D. W., Larson, D. E., Luhmann, J. G., McBride, S. E., Maier, M. R., Moreau, T., Tindall, C. S., Turin, P., Wang, L.: 2008, *Space Science Reviews* 136, 241-255. [doi:10.1007/s11214-008-9330-7](#).

The STEREO IMPACT Suprathermal Electron (STE) Instrument.

Liu, Y., Luhmann, J. G., Huttunen, K. E. J., Lin, R. P., Bale, S. D., Russell, C. T., Galvin, A. B.: 2008, *The Astrophysical Journal* 677, L133-L136. [doi:10.1086/587839](#).

Reconstruction of the 2007 May 22 Magnetic Cloud: How Much Can We Trust the Flux-Rope Geometry of CMEs?

Liu, Y., Luhmann, J. G., Mueller-Mellin, R., Schroeder, P. C., Wang, L., Lin, R. P., Bale, S. D., Li, Y., Acuna, M. H., Sauvaud, J.-A.: 2008, *The Astrophysical Journal* 689, 563-571. [doi:10.1086/592031](#).
A Comprehensive View of the 2006 December 13 CME: From the Sun to Interplanetary Space.

Long, D. M., Gallagher, P. T., McAteer, R. T. J., Bloomfield, D. S.: 2008, *The Astrophysical Journal* 680, L81-L84. [doi:10.1086/589742](#).

The Kinematics of a Globally Propagating Disturbance in the Solar Corona.

Lugaz, N., Manchester, W. B., IV, Roussev, I. I., Gombosi, T. I.: 2008, *Journal of Atmospheric and Solar-Terrestrial Physics* 70, 598-604. [doi:10.1016/j.jastp.2007.08.033](#).

Observational evidence of CMEs interacting in the inner heliosphere as inferred from MHD simulations.

Lugaz, N., Vourlidas, A., Roussev, I. I., Jacobs, C., Manchester, W. B., IV, Cohen, O.: 2008, *The Astrophysical Journal* 684, L111-L114. [doi:10.1086/592217](#).

The Brightness of Density Structures at Large Solar Elongation Angles: What Is Being Observed by STEREO SECCHI?

Luhmann, J. G., Curtis, D. W., Schroeder, P., McCauley, J., Lin, R. P., Larson, D. E., Bale, S. D., Sauvaud, J.-A., Aoustin, C., Mewaldt, R. A., Cummings, A. C., Stone, E. C., Davis, A. J., Cook, W. R., Kecman, B., Wiedenbeck, M. E., von Rosenvinge, T., Acuna, M. H., Reichenthal, L. S., Shuman, S., Wortman, K. A., Reames, D. V., Mueller-Mellin, R., Kunow, H., Mason, G. M., Walpole, P., Korth, A., Sanderson, T. R., Russell, C. T., Gosling, J. T.: 2008, *Space Science Reviews* 136, 117-184. [doi:10.1007/s11214-007-9170-x](#).

STEREO IMPACT Investigation Goals, Measurements, and Data Products Overview.

Malaspina, D. M., Ergun, R. E.: 2008, *Journal of Geophysical Research (Space Physics)* 113, A12108. [doi:10.1029/2008JA013656](#).

Observations of three-dimensional Langmuir wave structure.

Mason, G. M., Korth, A., Walpole, P. H., Desai, M. I., von Rosenvinge, T. T., Shuman, S. A.: 2008, Space Science Reviews 136, 257-284. doi:[10.1007/s11214-006-9087-9](https://doi.org/10.1007/s11214-006-9087-9).

The Suprathermal Ion Telescope (SIT) For the IMPACT/SEP Investigation.

McKenna-Lawlor, S. M. P.: 2008, Planetary and Space Science 56, 1703-1712. doi:[10.1016/j.pss.2008.07.031](https://doi.org/10.1016/j.pss.2008.07.031).

Predicted interplanetary shocks/particles at Mars compared with in-situ observations: An overview.

Mewaldt, R. A., Cohen, C. M. S., Cook, W. R., Cummings, A. C., Davis, A. J., Geier, S., Kecman, B., Klemic, J., Labrador, A. W., Leske, R. A., Miyasaka, H., Nguyen, V., Ogliore, R. C., Stone, E. C., Radocinski, R. G., Wiedenbeck, M. E., Hawk, J., Shuman, S., von Rosenvinge, T. T., Wortman, K.: 2008, Space Science Reviews 136, 285-362. doi:[10.1007/s11214-007-9288-x](https://doi.org/10.1007/s11214-007-9288-x).

The Low-Energy Telescope (LET) and SEP Central Electronics for the STEREO Mission.

Mierla, M., Davila, J., Thompson, W., Inhester, B., Srivastava, N., Kramar, M., St. Cyr, O. C., Stenborg, G., Howard, R. A.: 2008, Solar Physics 252, 385-396. doi:[10.1007/s11207-008-9267-8](https://doi.org/10.1007/s11207-008-9267-8).

A Quick Method for Estimating the Propagation Direction of Coronal Mass Ejections Using STEREO-COR1 Images.

Mueller-Mellin, R. Böttcher, S., Falenski, J., Rode, E., Duvet, L., Sanderson, T., Butler, B., Johlander, B., Smit, H.: 2008, Space Science Reviews 136, 363-389. doi:[10.1007/s11214-007-9204-4](https://doi.org/10.1007/s11214-007-9204-4).

The Solar Electron and Proton Telescope for the STEREO Mission.

Möstll, C., Miklenic, C., Farrugia, C. J., Temmer, M., Veronig, A., Galvin, A. B., Vrsnak, B., Biernat, H. K.: 2008, Annales Geophysicae 26, 3139-3152. doi:[10.5194/angeo-26-3139-2008](https://doi.org/10.5194/angeo-26-3139-2008).

Two-spacecraft reconstruction of a magnetic cloud and comparison to its solar source.

Patsourakos, S., Pariat, E., Vourlidas, A., Antiochos, S. K., Wuelser, J. P.: 2008, The Astrophysical Journal 680, L73-L76. doi:[10.1086/589769](https://doi.org/10.1086/589769).

STEREO SECCHI Stereoscopic Observations Constraining the Initiation of Polar Coronal Jets.

Peticolas, L. M., Craig, N., Kucera, T., Michels, D. J., Gerulskis, J., MacDowall, R. J., Beisser, K., Chrissotimos, C., Luhmann, J. G., Galvin, A. B., Ratta, L., Drobnes, E., Méndez, B. J., Hill, S., Marren, K., Howard, R.: 2008, Space Science Reviews 136, 627-646. doi:[10.1007/s11214-007-9287-y](https://doi.org/10.1007/s11214-007-9287-y).

The Solar Terrestrial Relations Observatory (STEREO) Education and Outreach (E/PO) Program.

Raouafi, N.-E., Petrie, G. J. D., Norton, A. A., Henney, C. J., Solanki, S. K.: 2008, The Astrophysical Journal 682, L137-L140. doi:[10.1086/591125](https://doi.org/10.1086/591125).

Evidence for Polar Jets as Precursors of Polar Plume Formation.

Richardson, J. D.: 2008, Geophysical Research Letters 35, L23104. doi:[10.1029/2008GL036168](https://doi.org/10.1029/2008GL036168).

Plasma temperature distributions in the heliosheath.

Rouillard, A. P., Davies, J. A., Forsyth, R. J., Rees, A., Davis, C. J., Harrison, R. A., Lockwood, M., Bewsher, D., Crothers, S. R., Eyles, C. J., Hapgood, M., Perry, C. H.: 2008, Geophysical Research Letters 35, L10110. doi:[10.1029/2008GL033767](https://doi.org/10.1029/2008GL033767).

First imaging of corotating interaction regions using the STEREO spacecraft.

Russell, C. T., Jian, L.: 2008, Advances in Space Research 41, 1177-1187. doi:[10.1016/j.asr.2007.06.024](https://doi.org/10.1016/j.asr.2007.06.024).

Flows and obstacles in the solar wind.

Sauvaud, J.-A., Larson, D., Aoustin, C., Curtis, D., Médale, J.-L., Fedorov, A., Rouzaud, J., Luhmann, J., Moreau, T., Schroeder, P., Louarn, P., Dandouras, I., Penou, E.: 2008, Space Science Reviews 136, 227-239. doi:[10.1007/s11214-007-9174-6](https://doi.org/10.1007/s11214-007-9174-6).
The IMPACT Solar Wind Electron Analyzer (SWEA).

Sheeley, N. R., Jr., Herbst, A. D., Palatchi, C. A., Wang, Y.-M., Howard, R. A., Moses, J. D., Vourlidas, A., Newmark, J. S., Socker, D. G., Plunkett, S. P., Korendyke, C. M., Burlaga, L. F., Davila, J. M., Thompson, W. T., St Cyr, O. C., Harrison, R. A., Davis, C. J., Eyles, C. J., Halain, J. P., Wang, D., Rich, N. B., Battams, K., Esfandiari, E., Stenborg, G.: 2008, The Astrophysical Journal 675, 853-862. doi:[10.1086/526422](https://doi.org/10.1086/526422).

Heliospheric Images of the Solar Wind at Earth.

Sheeley, N. R., Jr., Herbst, A. D., Palatchi, C. A., Wang, Y.-M., Howard, R. A., Moses, J. D., Vourlidas, A., Newmark, J. S., Socker, D. G., Plunkett, S. P., Korendyke, C. M., Burlaga, L. F., Davila, J. M., Thompson, W. T., St Cyr, O. C., Harrison, R. A., Davis, C. J., Eyles, C. J., Halain, J. P., Wang, D., Rich, N. B., Battams, K., Esfandiari, E., Stenborg, G.: 2008, The Astrophysical Journal 674, L109-L112. doi:[10.1086/529020](https://doi.org/10.1086/529020).

SECCHI Observations of the Sun's Garden-Hose Density Spiral.

Tanzman, J. R.: 2008, Acta Astronautica 63, 1239-1245. doi:[10.1016/j.actaastro.2008.06.027](https://doi.org/10.1016/j.actaastro.2008.06.027).
Material considerations in the STEREO solar array design.

Thompson, W. T., Reginald, N. L.: 2008, Solar Physics 250, 443-454. doi:[10.1007/s11207-008-9228-2](https://doi.org/10.1007/s11207-008-9228-2).

The Radiometric and Pointing Calibration of SECCHI COR1 on STEREO.

Ullrich, R., McCauley, J., Turin, P., McKee, K., Donokowski, B.: 2008, Space Science Reviews 136, 185-201. doi:[10.1007/s11214-008-9334-3](https://doi.org/10.1007/s11214-008-9334-3).

The Stereo Impact Boom.

Veronig, A. M., Temmer, M., Vrsnak, B.: 2008, The Astrophysical Journal 681, L113-L116. doi:[10.1086/590493](https://doi.org/10.1086/590493).

High-Cadence Observations of a Global Coronal Wave by STEREO EUVI.

von Rosenvinge, T. T., Reames, D. V., Baker, R., Hawk, J., Nolan, J. T., Ryan, L., Shuman, S., Wortman, K. A., Mewaldt, R. A., Cummings, A. C., Cook, W. R., Labrador, A. W., Leske, R. A., Wiedenbeck, M. E.: 2008, Space Science Reviews 136, 391-435. doi:[10.1007/s11214-007-9300-5](https://doi.org/10.1007/s11214-007-9300-5).
The High Energy Telescope for STEREO.

Wang, L., Lin, R. P., Larson, D. E., Luhmann, J. G.: 2008, Nature 454, 81-83. doi:[10.1038/nature07068](https://doi.org/10.1038/nature07068).

Domination of heliosheath pressure by shock-accelerated pickup ions from observations of neutral atoms.

2007

Attrill, G. D. R., Harra, L. K., van Driel-Gesztelyi, L., Démoulin, P., Wuelser, J.-P.: 2007, Astronomische Nachrichten 328, 760. doi:[10.1002/asna.200710794](https://doi.org/10.1002/asna.200710794).

Coronal 'wave': A signature of the mechanism making CMEs large-scale in the low corona?

Carroll, J.: 2007, Physics Honors, B.S., University of New Hampshire. doi:
Practical Consequences of Penetrating Radiation for Space Flight Instrumentation.

Feng, L., Inhester, B., Solanki, S. K., Wiegelmann, T., Podlipnik, B., Howard, R. A., Wuelser, J.-P.: 2007, *The Astrophysical Journal* 671, L205-L208. [doi:10.1086/525525](https://doi.org/10.1086/525525).

First Stereoscopic Coronal Loop Reconstructions from STEREO SECCHI Images.

Fulle, M., Leblanc, F., Harrison, R. A., Davis, C. J., Eyles, C. J., Halain, J. P., Howard, R. A., Bockelée-Morvan, D., Cremonese, G., Scarmato, T.: 2007, *The Astrophysical Journal* 661, L93-L96. [doi:10.1086/518719](https://doi.org/10.1086/518719).

Discovery of the Atomic Iron Tail of Comet MCNaught Using the Heliospheric Imager on STEREO.

Gosling, J. T., Eriksson, S., Blush, L. M., Phan, T. D., Luhmann, J. G., McComas, D. J., Skoug, R. M., Acuna, M. H., Russell, C. T., Simunac, K. D.: 2007, *Geophysical Research Letters* 34, L20108. [doi:10.1029/2007GL031492](https://doi.org/10.1029/2007GL031492).

Five spacecraft observations of oppositely directed exhaust jets from a magnetic reconnection X-line extending > 4.26 x 10⁶ km in the solar wind at 1 AU.

Karrer, R.: 2007, Ph.D. thesis, University of Bern, Switzerland.

Ion optical calibration of the PLASTIC sensor on STEREO.

Macher, W., Oswald, T. H., Fischer, G., Rucker, H. O.: 2007, *Measurement Science and Technology* 18, 3731-3742. [doi:10.1088/0957-0233/18/12/008](https://doi.org/10.1088/0957-0233/18/12/008).

Rheometry of multi-port spaceborne antennas including mutual antenna capacitances and application to STEREO/WAVES.

Matthews, S. A., Culhane, J. L.: 2007, *Advances in Space Research* 39, 1791-1803. [doi:10.1016/j.asr.2007.02.043](https://doi.org/10.1016/j.asr.2007.02.043).

Magnetic coupling of the Sun Earth system The view from STEREO.

Opitz, A.: 2007, Ph.D. thesis, University of Bern, Switzerland.

STEREO PLASTIC calibration, simulation and data analysis.

Rakowski, C. E., Laming, J. M., Lepri, S. T.: 2007, *The Astrophysical Journal* 667, 602-609. [doi:10.1086/520914](https://doi.org/10.1086/520914).

Ion Charge States in Halo Coronal Mass Ejections: What Can We Learn about the Explosion?

Vourlidas, A., Davis, C. J., Eyles, C. J., Crothers, S. R., Harrison, R. A., Howard, R. A., Moses, J. D., Socker, D. G.: 2007, *Astrophysical Journal*, 668, , L79-L82.. [doi:10.1086/522587](https://doi.org/10.1086/522587).

First direct observation of the interaction between a comet and a coronal mass ejection.

Walker, C.C.: 2007, *Astronomy Honors*, B.S., Mount Holyoke College, MA.

Variations of Solar Wind Parameters over a Solar Cycle: Expectations for NASA's Solar Terrestrial Relations Observatory (STEREO) Mission.

2006

Staedter, T.: 2006, *Space Weather* 4, S08006. [doi:10.1029/2006SW000267](https://doi.org/10.1029/2006SW000267).

Twin Spacecraft to Provide Three-Dimensional View of Sun.