

Bibliography from ADS file: briand.bib
 September 14, 2022

- Briand, C., Clilverd, M., Inturi, S., & Cecconi, B., “Role of hard X-ray emission in ionospheric D-layer disturbances during solar flares”, [2022EP&S...74..41B ADS](#)
- Klein, K.-L., Musset, S., Vilmer, N., et al., “The relativistic solar particle event on 28 October 2021: Evidence of particle acceleration within and escape from the solar corona”, [2022A&A...663A.173K ADS](#)
- Briand, C., Doerksen, K., & Delefie, F., “Solar EUV-Enhancement and Thermospheric Disturbances”, [2021SpWea..1902840B ADS](#)
- Carley, E. P., Cecconi, B., Reid, H. A., et al., “Observations of Shock Propagation through Turbulent Plasma in the Solar Corona”, [2021ApJ...921....3C ADS](#)
- Bondonneau, L., Grießmeier, J. M., Theureau, G., et al., “Pulsars with NenuFAR: Backend and pipelines”, [2021A&A...652A..34B ADS](#)
- Carley, E., Cecconi, B., Reid, H., et al., “Observations of shock propagation through turbulent plasma in the solar corona”, [2021EGUGA..2313113C ADS](#)
- Briand, C., Inturi, S., & Cecconi, B., “Hard X-ray impact on the ionosphere D-layer: new results from VLF measurements”, [2021EGUGA..23..5623B ADS](#)
- Delefie, F., Hé, C., Briand, C., Sammuneh, M. A., & Visser, P., “Impacts of solar events on atmospheric density variations as revealed by Satellite Laser Ranging orbits.”, [2020EGUGA..2221223D ADS](#)
- Auchère, F., Astafyeva, E., Baudin, F., et al.: 2019, *Groupe de Travail Soleil Heliosphere-Magnetospheres (SHM)*, CNES: Rapport du Groupe de Travail Soleil Heliosphere-Magnetospheres (SHM), 1-28, 2019. [2019shm..rept....1A ADS](#)
- Delefie, F., Doerksen, K., Briand, C., Sammuneh, M. A., & Sagnières, L., “Atmospheric Density Variations and Orbit Perturbations in Relation to Isolated Solar X-flare Events”, [2019EGUGA..2115338D ADS](#)
- Briand, C., Depierreux, S., Henri, P., et al., “Solar radio emissions: from simulations to laser experiment”, [2019EGUGA..21..7140B ADS](#)
- Henri, P., Sgattoni, A., Briand, C., Amiranoff, F., & Riconda, C., “Electromagnetic Simulations of Solar Radio Emissions”, [2019JGRA..124..1475H ADS](#)
- Cecconi, B., Dekkali, M., Briand, C., et al., “NOIRE Study Report: Towards a Low Frequency Radio Interferometer in Space”, [2018EGUGA..20..3648C ADS](#)
- Acero, F., Acquaviva, J. T., Adam, R., et al., “French SKA White Book - The French Community towards the Square Kilometre Array”, [2017arXiv171206950A ADS](#)
- Sgattoni, A., Henri, P., Briand, C., Amiranoff, F., & Riconda, C., “Full PIC simulations of solar radio emission”, [2017AGUFMSH33B2786S ADS](#)
- Cecconi, B., Laurens, A., Briand, C., et al., “Mapping the radio sky from 0.1 to 100 MHz with NOIRE”, [2016sf2a.conf..343C ADS](#)
- Cecconi, B., Laurens, A., Briand, C., et al., “The NOIRE Study”, [2016sf2a.conf..339C ADS](#)
- Rouillard, A. P., Pinto, R. F., Brun, A. S., et al., “Space-weather assets developed by the French space-physics community”, [2016sf2a.conf..297R ADS](#)
- Pierre, H., Sgattoni, A., Briand, C., Amiranoff, F., & Riconda, C., “Solar radio emissions: 2D full PIC simulations”, [2016AGUFMSH21E2569P ADS](#)
- Briand, C., “Langmuir waveforms at interplanetary shocks: STEREO statistical analysis”, [2016AGUFMSH21A2499B ADS](#)
- Konovalenko, A., Sodin, L., Zakharenko, V., et al., “The modern radio astronomy network in Ukraine: UTR-2, URAN and GURT”, [2016Exa...42..11K ADS](#)
- Mann, I., Manoharan, P. K., Gopalswamy, N., et al., “Division E Commission 49: Interplanetary Plasma and Heliosphere”, [2016IAUTA..29..300M ADS](#)
- Briand, C., Henri, P., Génot, V., et al., “Langmuir waves: a database from the STEREO mission”, [2016EGUGA..18..6005B ADS](#)
- Briand, C., Henri, P., Génot, V., et al., “STEREO database of interplanetary Langmuir electric waveforms”, [2016JGRA..121..1062B ADS](#)
- Shevchuk, N. V., Melnik, V. N., Poedts, S., et al., “The Storm of Decameter Spikes During the Event of 14 June 2012”, [2016SoPh..291..211S ADS](#)
- De Vita, G., Vecchio, A., Sorriso-Valvo, L., et al., “Cancellation analysis of current density in solar active region NOAA10019”, [2015JSWSC...5A..28D ADS](#)
- Gopalswamy, N., Mann, I., Bougeret, J.-L., et al., “Division II: Commission 49: Interplanetary Plasma and the Heliosphere”, [2015IAUTB..28..112G ADS](#)
- Briand, C., “Flare-related radio emission: a kinetic point-of-view”, [2015IAUGA..2254941B ADS](#)
- Briand, C., “Langmuir waves across the heliosphere”, [2015JP1Ph..81b3204B ADS](#)
- Melnik, V. N., Brazhenko, A. I., Konovalenko, A. A., et al., “Decameter Type III Bursts with Changing Frequency Drift-Rate Signs”, [2015SoPh..290..193M ADS](#)
- Arridge, C. S., Achilleos, N., Agarwal, J., et al., “The science case for an orbital mission to Uranus: Exploring the origins and evolution of ice giant planets”, [2014P&SS..104..122A ADS](#)
- Lilensten, J., Lamy, L., Briand, C., Barthélémy, M., & Cecconi, B., “The Planeterrella: A planetary auroral simulator”, [2014CAPJ..16..18L ADS](#)
- Cecconi, B., Zarka, P. M., Girard, J. N., et al., “Sapce based low frequency interferometric radioastronomy: the path towards the imaging of the inner heliosphere.”, [2014AGUFMSM31A4155C ADS](#)
- Vecchio, A., Valentini, F., Donato, S., et al., “Electrostatic fluctuations in the solar wind: An evidence of the link between Alfvénic and electrostatic scales”, [2014JGRA..119..7012V ADS](#)
- Valentini, F., Vecchio, A., Donato, S., et al., “The Nonlinear and Nonlocal Link between Macroscopic Alfvénic and Microscopic Electrostatic Scales in the Solar Wind”, [2014ApJ...788L..16V ADS](#)
- Briand, C., Henri, P., & Hoang, S., “Inhibition of type III radio emissions due to the interaction between two electron beams: Observations and simulations”, [2014JGRA..119..2365B ADS](#)
- Cecconi, B., Zarka, P., Bergman, J., et al., “Low frequency radioastronomy of the inner heliosphere: the way forward.”, [2014cosp...40E.468C ADS](#)
- Melnik, V. N., Brazhenko, A. I., Konovalenko, A. A., et al., “Decameter type III bursts with positive and negative frequency drift rates”, [2013EPSC...8..738M ADS](#)
- Konovalenko, A. A., Stanislavsky, A. A., Rucker, H. O., et al., “Synchronized observations by using the STEREO and the largest ground-based decametre radio telescope”, [2013ExA...36..137K ADS](#)
- Melnik, V. M., Brazhenko, A. I., Konovalenko, O. O., et al., “Decametric type III bursts with variable sign of frequency drift rate”, [2013RRPRA..18..117M ADS](#)
- Melnik, V., Brazhenko, A., Rucker, H., et al., “Observational properties of decameter type IV bursts”, [2013EGUGA..1510206M ADS](#)
- Zarka, P., Bougeret, J. L., Briand, C., et al., “Planetary and exoplanetary low frequency radio observations from the Moon”, [2012P&SS...74..156Z ADS](#)
- Melnik, V., Konovalenko, A., Brazhenko, A., et al., “Simultaneous observations of solar sporadic radio emission by the radio telescopes UTR-2, URAN-2 and NDA within the frequency range 8-42 MHz”, [2012epsc.conf..540M ADS](#)
- Cecconi, B., Bougeret, J. L., Zarka, P., et al., “Radio Astronomy from the Moon”, [2012cosp...39..282C ADS](#)
- Gopalswamy, N., Mann, I., Bougeret, J.-L., et al., “Commission 49: Interplanetary Plasma and Heliosphere”, [2012IAUTA..28..95G ADS](#)
- Berthomier, M., Fazakerley, A. N., Forsyth, C., et al., “Alfvén: magnetosphere-ionosphere connection explorers”, [2012ExA...33..445B ADS](#)
- Melnik, V. N., Konovalenko, A. A., Rucker, H. O., et al., “Simultaneous observations of solar sporadic radio emission by the radio telescopes UTR-2, URAN-2 and NDA within the frequency range 8-41MHz”, [2012EGUGA..14..9905M ADS](#)
- Briand, C., Belyaev, V., Bougeret, J. H., et al., “New results on interplanetary type III radio storms from multi-spacecraft combined STEREO-A/B and WIND observations”, [2011AGUFMSH13A1928B ADS](#)
- Henri, P., Meyer-Vernet, N., Briand, C., & Donato, S., “Observations of Langmuir ponderomotive effects using the Solar TERrestrial RElations Observatory spacecraft as a density probe”, [2011PhPl...18h2308H ADS](#)
- Briand, C., Soucek, J., Henri, P., & Mangeney, A., “Waves at the electron plasma frequency associated with solar wind magnetic holes: STEREO/Cluster observations”, [2010JGRA..11512113B ADS](#)
- Opitz, A., Sauvaud, J. A., Fedorov, A., et al., “Temporal Evolution of the Solar-Wind Electron Core Density at Solar Minimum by Correlating SWEA Measurements from STEREO A and B”, [2010SoPh..266..3690 ADS](#)
- Henri, P., Califano, F., Briand, C., & Mangeney, A., “Vlasov-Poisson simulations of electrostatic parametric instability for localized Langmuir wave packets in the solar wind”, [2010JGRA..115..6106H ADS](#)
- Henri, P., Califano, F., Briand, C., & Mangeney, A., “Vlasov simulations of Langmuir Electrostatic Decay and consequences for Type III observations”, [2010AIPC.1216..288H ADS](#)
- Briand, C., Soucek, J., Mangeney, A., Bale, S. D., & Goetz, K., “Waves at the plasma frequency inside magnetic holes: STEREO and Cluster observations”, [2010AIPC.1216..271B ADS](#)
- Henri, P., Mangeney, A., Califano, F., & Briand, C., “Vlasov simulations of strong Langmuir turbulence”, [2009AGUFMSH53A1304H ADS](#)
- Soucek, J., Briand, C., Mangeney, A., et al., “Microscale properties of Langmuir waves observed by STEREO and CLUSTER inside solar wind magnetic holes”, [2009AGUFMSH13B1527S ADS](#)
- Henri, P., Briand, C., Califano, F., & Mangeney, A., “Direct evidence for three-wave coupling in the solar wind during a type III emission from STEREO/SWAVES data”, [2009epsc.conf..50H ADS](#)

- Briand, C., Antonucci, E., & Haubold, H. J., "Preface to the Proceedings of the European General Assembly on IHY 2007", 2009EM&P..104...1B [ADS](#)
- Henri, P., Briand, C., Mangeney, A., et al., "Evidence for wave coupling in type III emissions", 2009JGRA..114.3103H [ADS](#)
- Briand, C., Califano, F., Mangeney, A., et al., "Bipolar electrostatic structures observed in the solar wind : comparative study between WIND/WAVES and STEREO/WAVES", 2008AGUFMSH43A1636B [ADS](#)
- Henri, P., Califano, F., Briand, C., et al., "Electrostatic coupling: STEREO/WAVES observations in the solar wind and Vlasov simulations.", 2008AGUFMSH21A1566H [ADS](#)
- Briand, C., Zaslavsky, A., Maksimovic, M., et al., "Faint solar radio structures from decametric observations", 2008A&A...490..339B [ADS](#)
- Ergun, R. E., Malaspina, D. M., Cairns, I. H., et al., "Eigenmode Structure in Solar-Wind Langmuir Waves", 2008PhRvL.101e1101E [ADS](#)
- Briand, C., Mangeney, A., & Califano, F., "Coherent electric structures: Vlasov-Ampère simulations and observational consequences", 2008JGRA..113.7219B [ADS](#)
- Bougeret, J. L., Goetz, K., Kaiser, M. L., et al., "SWAVES: The Radio and Plasma Wave Investigation on the STEREO Mission", 2008SSRv..136..487B [ADS](#)
- Briand, C., "International Heliophysical Year: European Activities", 2007SunGe...2...5B [ADS](#)
- Bonnin, X., Maksimovic, M., Bougeret, J. L., et al., "First Results of the SWAVES Experiment on the STEREO Mission.", 2007sf2a.conf..582B [ADS](#)
- Briand, C., Zaslavsky, A., Lecacheux, A., et al., "The Faint Drifting Decameter Radio Bursts From The Solar Corona", 2007ESASP.641E..56B [ADS](#)
- Davila, J. M., Gopalswamy, N., Harrison, R. A., et al., "Science Plans for the International Heliophysical Year", 2006AGUSM.U34A..04D [ADS](#)
- Briand, C., Mattig, W., Ceppatelli, G., & Mainella, G., "Mercury Transit for Stray Light Evaluation: IPM-THEMIS Case", 2006SoPh..234..187B [ADS](#)
- Bougeret, J. L., Briand, C., Bonet Navaro, J. A., et al., "IHY Science and Organization in Europe", 2006cosp...36.3226B [ADS](#)
- Briand, C., Mangeney, A., & Califano, F., "Variable Coronal Heating and Beam Formation", 2005ESASP.600E..81B [ADS](#)
- Moretti, P. F., Berrilli, F., Sebastianelli, A., Briand, C., & Pietropaolo, E., "The Detection of Photospheric Impacts from Chromospheric Impulsive Events", 2003ApJ...589L.109M [ADS](#)
- Briand, C. & Vecchio, A., "Chromospheric polarity reversal on sunspots: New insight from spectro-polarimetric measurements", 2003A&A...403L..33B [ADS](#)
- Del Moro, D., Criscuoli, S., Bonet, J. A., et al., "Phase diversity at THEMIS : first implementation", 2003MmSAI..74..811D [ADS](#)
- Ceppatelli, G. & Briand, C., "THEMIS : Status and perspectives", 2003MmSAI..74..790C [ADS](#)
- Briand, C., "Solar activity I: aspects of magnetic activity", 2003AN....324..357B [ADS](#)
- Mainella, G., Briand, C., Maréchal, L., & Le Men, C., "Pointing and tracking analysis of alt-azimuthal multi-focus telescopes: the THEMIS case", 2003AN....324..309M [ADS](#)
- Del Moro, D., Lemen, C., Bonet, J. A., et al., "Phase diversity at THEMIS : first implementation", 2003AN....324..299D [ADS](#)
- Briand, C., Collados, M., & Süttlerlin, P., "THEMIS and DOT joint observations on NOAA 9716", 2002ESASP.505..361B [ADS](#)
- Briand, C. & Ceppatelli, G., "THEMIS: instrumentation, results and perspectives", 2002ESASP.505..11B [ADS](#)
- Mainella, G. & Briand, C., "Telescope guide and pointing precision at THEMIS", 2002NCimC..25..709M [ADS](#)
- Ceppatelli, G. & Briand, C., "THEMIS: Status and Perspectives", 2002sf2a.conf..95C [ADS](#)
- Ceppatelli, G. & Briand, C., "Last news from THEMIS", 2001MmSAI..72..558C [ADS](#)
- Briand, C. & Martínez Pillet, V., "ASP Observations - First Analysis of Mgb_2 Stokes Parameters", 2001ASPC..236..565B [ADS](#)
- Mein, P., Briand, C., Heinzel, P., & Mein, N., "Solar arch filaments observed with THEMIS", 2000A&A...355.1146M [ADS](#)
- Consolini, G., Carbone, V., Berrilli, F., et al., "Scaling behavior of the vertical velocity field in the solar photosphere", 1999A&A...344L..33C [ADS](#)
- Berrilli, F., Florio, A., Consolini, G., et al., "Dependence of the photospheric vertical flow characteristics on the granule dimension", 1999A&A...344L..29B [ADS](#)
- Rezeau, L., Belmont, G., Cornilleau-Wehrlin, N., Reberac, F., & Briand, C., "Spectral Law and Polarization Properties of the Low-Frequency Waves at the Magnetopause", 1999GeoRL..26..651R [ADS](#)
- Arnaud, J., Briand, C., & Ceppatelli, G., "First observational campaign at the THEMIS: image quality and seeing", 1998NewAR..42..499A [ADS](#)
- Briand, C. & Solanki, S. K., "Velocity fields below the magnetic canopy of solar flux tubes: evidence for high-speed downflows?", 1998A&A...330.1160B [ADS](#)
- Mainella, G., Bavassano, B., Berrilli, F., et al., "THEMIS-IPM: performance analysis of the system and future developments", 1998MmSAI..69..659M [ADS](#)
- Kostyk, R. I., Shchukina, N. G., & Briand, C., "High spatial resolution observations of the solar spectral lines.", 1998IBUAA..12..39K [ADS](#)
- Briand, C. & Solanki, S. K., "Velocity fields around magnetic flux tubes.", 1997joso.proc...55B [ADS](#)
- Arnaud, J., Briand, C., & Rayrole, J., "THEMIS: Télescope Héliographique pour l'Étude du Magnétisme et des Instabilités Solaires.", 1996JAF...53...5A [ADS](#)
- Uitenbroek, H. & Briand, C., "The MG i lambda 285.21 Nanometer Line: an Example of Non-LTE Line Formation", 1995ApJ...447..453U [ADS](#)
- Briand, C. & Solanki, S. K., "Empirical models of solar magnetic elements: constraints imposed by MgI Stokes profiles.", 1995A&A...299..596B [ADS](#)
- Briand, C. & Lemaire, P., "Center-to-limb observations of the lambda 285.2 NM MgI UV resonance line", 1994A&A...282..621B [ADS](#)
- Briand, C. & Lemaire, P., "Mg I UV and IR Lines of the Quiet Sun", 1994emsp.conf...53B [ADS](#)
- Lemaire, P., Briand, C., Staath, E., & Samain, D., "High Resolution Measurements of the 273-293 nm Solar Spectrum from a Balloon Instrumentation", 1993BAAS...25.1221L [ADS](#)
- Briand, C., "Exploitation des observations de Jupiter.", 1990EuAst...4..288B [ADS](#)