

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

- Salvatelli, V., Neuberg, B., Dos Santos, L. F. G., et al.: 2022a, *ML pipeline for Solar Dynamics Observatory (SDO) data*, Zenodo 2022zndo...6954828S [ADS](#)
- Salvatelli, V., dos Santos, L. F. G., Bose, S., et al., “Exploring the Limits of Synthetic Creation of Solar EUV Images via Image-to-Image Translation”, 2022arXiv220809512S [ADS](#)
- Bernoux, G., Sicard, A., Buchlin, E., Janvier, M., & Brunet, A., “Forecasting the Kp index a few days ahead using solar imaging and neural networks alone: is it achievable?”, 2022cosp...44.3330B [ADS](#)
- Giunta, A., Peter, H., Parenti, S., et al., “Abundance diagnostics in active regions with Solar Orbiter/SPICE”, 2022cosp...44.2583G [ADS](#)
- Dasso, S., Demoulin, P., Janvier, M., & Lanabere, V., “Magnetic field lines configuration inside magnetic clouds: observations at 1 au”, 2022cosp...44.2435D [ADS](#)
- Janvier, M., “Magnetic field of interplanetary ejecta”, 2022cosp...44.2432J [ADS](#)
- Baker, D., Demoulin, P., Long, D., et al., “Evolution of Plasma Composition in an Eruptive Flux Rope”, 2022cosp...44.1361B [ADS](#)
- Auchère, F., Peter, H., Parenti, S., et al., “The SPICE spectrograph on Solar Orbiter: an introduction and results from the first Orbits”, 2022cosp...44.1338A [ADS](#)
- Janvier, M., Dasso, S., Demoulin, P., et al., “Interpreting the Two-step Forbush Decrease with a closer look at the two substructures modulating Galactic Cosmic Rays within Coronal Mass Ejections”, 2022cosp...44.1272J [ADS](#)
- Baker, D., Green, L. M., Brooks, D. H., et al., “Evolution of Plasma Composition in an Eruptive Flux Rope”, 2022ApJ...924...17B [ADS](#)
- Janvier, M., Démoulin, P., Guo, J., et al., “The Two-step Forbush Decrease: A Tale of Two Substructures Modulating Galactic Cosmic Rays within Coronal Mass Ejections”, 2021ApJ...922...216J [ADS](#)
- Regnault, F., Janvier, M., Strugarek, A., Auchere, F., & Al-Haddad, N., “3D modelling of Titov-Démoulin modified Flux Ropes propagation in the Solar Wind”, 2021AGUFM33A...04R [ADS](#)
- Fludra, A., Caldwell, M., Giunta, A., et al., “First observations from the SPICE EUV spectrometer on Solar Orbiter”, 2021A&A...656A...38F [ADS](#)
- Bernoux, G., Brunet, A., Buchlin, E., Janvier, M., & Sicard, A., “An operational approach to forecast the Earth’s radiation belts dynamics”, 2021JWSC...11...60B [ADS](#)
- Hadid, L. Z., Génou, V., Aizawa, S., et al., “BepiColombo’s cruise phase: unique opportunity for synergistic observations”, 2021FrASS...8...154H [ADS](#)
- Peter, H., Ballester, E. A., Andretta, V., et al., “Magnetic imaging of the outer solar atmosphere (MimOSA)”, 2021ExA...tmp...95P [ADS](#)
- Baker, D., Mihailescu, T., Démoulin, P., et al., “Plasma Upflows Induced by Magnetic Reconnection Above an Eruptive Flux Rope”, 2021SoPh...296...103B [ADS](#)
- Dos Santos, L. F. G., Bose, S., Salvatelli, V., et al., “Multichannel autocalibration for the Atmospheric Imaging Assembly using machine learning”, 2021A&A...648A...53D [ADS](#)
- Kilpua, E. K. J., Good, S. W., Ala-Lahti, M., et al., “Statistical analysis of magnetic field fluctuations in CME-driven sheath regions”, 2021FrASS...7...109K [ADS](#)
- Schmieder, B., Aulanier, G., Janvier, M., Masson, S., & Barczynski, K., “Signature of the expansion of eruptive flux ropes measured by electric currents”, 2021cosp...43E1758S [ADS](#)
- Dasso, S., Rodríguez, L., Demoulin, P., et al., “Magnetic twist distribution inside interplanetary flux ropes”, 2021cosp...43E1756D [ADS](#)
- Janvier, M., “Generic profile evolution of Interplanetary Coronal Mass Ejections and flux ropes in the inner heliosphere”, 2021cosp...43E1743J [ADS](#)
- Regnault, F., Dasso, S., Auchere, F., et al., “20 years of ACE data: how superposed epoch analyses reveal generic features in interplanetary CME profiles”, 2021cosp...43E1017R [ADS](#)
- Peter, H., Alsina Ballester, E., Andretta, V., et al., “Magnetic Imaging of the Outer Solar Atmosphere (MimOSA): Unlocking the driver of the dynamics in the upper solar atmosphere”, 2021arXiv210101566P [ADS](#)
- Kilpua, K. E. J., Good, S., Ala-Lahti, M. M., et al., “Magnetic field fluctuation properties in CME-driven sheath regions”, 2020AGUFM30H440012K [ADS](#)
- Zambrana Prado, N., Buchlin, E., Peter, H., et al., “Relative coronal abundance diagnostics with Solar Orbiter/SPICE”, 2020AGUFM30H38...09Z [ADS](#)
- Peter, H., Aznar Cuadrado, R., Schühle, U., et al., “Dynamics and thermal structure in the quiet Sun seen by SPICE”, 2020AGUFM30H38...03P [ADS](#)
- Fludra, A., Caldwell, M., Giunta, A. S., et al., “First Results From SPICE EUV Spectrometer on Solar Orbiter”, 2020AGUFM30H38...02F [ADS](#)
- Thompson, W. T., Schühle, U., Young, P. R., et al., “Calibrating optical distortions in the Solar Orbiter SPICE spectrograph”, 2020AGUFM30H360029T [ADS](#)
- Bemporad, A., Banerjee, D., Berlicki, A., et al., “Metis - Solar Orbiter Topical Team on “Modelling of CME propagation/evolution in corona and solar wind in connection with Space Weather””, 2020AGUFM30H360027B [ADS](#)
- Buchlin, E., Teriaca, L., Giunta, A. S., et al., “First results from the EUV and SPICE observations of Alpha Leo near Solar Orbiter first perihelion”, 2020AGUFM30H360024B [ADS](#)
- Teriaca, L., Aznar Cuadrado, R., Giunta, A. S., et al., “First results from combined EUV and SPICE observations of Lyman lines of Hydrogen and He II”, 2020AGUFM30H360003T [ADS](#)
- Regnault, F., Janvier, M., Démoulin, P., et al., “20 Years of ACE Data: How Superposed Epoch Analyses Reveal Generic Features in Interplanetary CME Profiles”, 2020JGRA...12528150R [ADS](#)
- SPICE Consortium, Anderson, M., Appourchaux, T., et al., “The Solar Orbiter SPICE instrument. An extreme UV imaging spectrometer”, 2020A&A...642A...14S [ADS](#)
- Zouganelis, I., De Groof, A., Walsh, A. P., et al., “The Solar Orbiter Science Activity Plan. Translating solar and heliospheric physics questions into action”, 2020A&A...642A...3Z [ADS](#)
- Rouillard, A. P., Pinto, R. F., Vourlidis, A., et al., “Models and data analysis tools for the Solar Orbiter mission”, 2020A&A...642A...2R [ADS](#)
- Kilpua, E. K. J., Fontaine, D., Good, S. W., et al., “Magnetic field fluctuation properties of coronal mass ejection-driven sheath regions in the near-Earth solar wind”, 2020AnGeo...38...999K [ADS](#)
- Démoulin, P., Dasso, S., Lanabere, V., & Janvier, M., “Contribution of the ageing effect to the observed asymmetry of interplanetary magnetic clouds”, 2020A&A...639A...6D [ADS](#)
- Hadid, L., Dosa, M., Akos, M., et al., “BepiColombo and Solar Orbiter co-ordinated observations: scientific cases and measurements opportunities”, 2020EGUGA...2217957H [ADS](#)
- von Forstner, J., Guo, J., Wimmer-Schweingruber, R. F., et al., “Using Forbush decreases at Earth and Mars to measure the radial evolution of ICMEs”, 2020EGUGA...22.7838V [ADS](#)
- Barczynski, K., Aulanier, G., Janvier, M., Schmieder, B., & Masson, S., “Electric Current Evolution at the Footpoints of Solar Eruptions”, 2020ApJ...895...18B [ADS](#)
- Freiherr von Forstner, J. L., Guo, J., Wimmer-Schweingruber, R. F., et al., “Comparing the Properties of ICME-Induced Forbush Decreases at Earth and Mars”, 2020JGRA...12527662F [ADS](#)
- Lanabere, V., Dasso, S., Démoulin, P., et al., “Magnetic twist profile inside magnetic clouds derived with a superposed epoch analysis”, 2020A&A...635A...85L [ADS](#)
- Démoulin, P., Dasso, S., Janvier, M., & Lanabere, V., “Re-analysis of Lepping’s Fitting Method for Magnetic Clouds: Lundquist Fit Reloaded”, 2019SoPh...294...172D [ADS](#)
- Freiherr von Forstner, J. L., Guo, J., Wimmer-Schweingruber, R. F., et al., “Comparing the Properties of ICME-Induced Forbush Decreases at Earth and Mars”, 2019AGUFM34H1D3339F [ADS](#)
- Neuberg, B., Bose, S., Salvatelli, V., et al., “Auto-Calibration of Remote Sensing Solar Telescopes with Deep Learning”, 2019arXiv191104008N [ADS](#)
- Salvatelli, V., Bose, S., Neuberg, B., et al., “Using U-Nets to Create High-Fidelity Virtual Observations of the Solar Corona”, 2019arXiv191104006S [ADS](#)
- Buchlin, E., Caminade, S., Dufourg, N., et al., “Solar data, dataproducts, and tools at MEDOC”, 2019EGUGA...2117362B [ADS](#)
- Guo, J., Temmer, M., Veronig, A., et al., “The in situ Solar Wind and Galactic Cosmic Ray correlation at Mars and its comparison with Earth observations”, 2019EGUGA...21.9366G [ADS](#)
- Janvier, M., Winslow, R. M., Good, S., et al., “Generic Magnetic Field Intensity Profiles of Interplanetary Coronal Mass Ejections at Mercury, Venus, and Earth From Superposed Epoch Analyses”, 2019JGRA...124...812J [ADS](#)
- Joshi, N. C., Zhu, X., Schmieder, B., et al., “Generalization of the Magnetic Field Configuration of Typical and Atypical Confined Flares”, 2019ApJ...871...165J [ADS](#)
- Démoulin, P., Dasso, S., & Janvier, M., “Exploring the biases of a new method based on minimum variance for interplanetary magnetic clouds”, 2018A&A...619A.139D [ADS](#)
- Lugaz, N., Farrugia, C. J., Winslow, R. M., et al., “On the Spatial Coherence of Magnetic Ejecta: Measurements of Coronal Mass Ejections by Multiple Spacecraft Longitudinally Separated by 0.01 au”, 2018ApJ...864L...7L [ADS](#)
- Schmieder, B., Aulanier, G., Dalmasse, K., et al., “Signature of flux ropes before and after eruptions: electric currents in active regions”, 2018cosp...42E3026S [ADS](#)
- Janvier, M., Dasso, S., & Demoulin, P., “Constructing a Generic Icm from the Sun to Earth from Statistical Studies of in Situ Data”, 2018cosp...42E1600J [ADS](#)
- Dasso, S., Rodríguez, L., Luciano, d., Demoulin, P., et al., “Manifestation of Coronal Mass Ejections near Earth: A review”, 2018cosp...42E.768D [ADS](#)

- Acero, F., Acquaviva, J. T., Adam, R., et al., “French SKA White Book - The French Community towards the Square Kilometre Array”, 2017arXiv171206950A ADS
- Polito, V., Del Zanna, G., Valori, G., et al., “Analysis and modelling of recurrent solar flares observed with Hinode/EIS on March 9, 2012”, 2017A&A...601A..39P ADS
- Baker, D., Janvier, M., Démoulin, P., & Mandrini, C. H., “Apparent and Intrinsic Evolution of Active Region Upflows”, 2017SoPh...292...46B ADS
- Pontin, D. I., Janvier, M., Tiwari, S. K., et al., “Observable Signatures of Energy Release in Braided Coronal Loops”, 2017ApJ...837..108P ADS
- Janvier, M., “Three-dimensional magnetic reconnection and its application to solar flares”, 2017JPhPh...83a5301J ADS
- Janvier, M., Demoulin, P., Dasso, S., & Masías, J., “Tracing the Evolution of ICMEs from Sun to Earth”, 2016AGUFMSH53A..03J ADS
- Dacie, S., Démoulin, P., van Driel-Gesztelyi, L., et al., “Evolution of the magnetic field distribution of active regions”, 2016A&A...596A..69D ADS
- Démoulin, P., Janvier, M., Masías-Meza, J. J., & Dasso, S., “Quantitative model for the generic 3D shape of ICMEs at 1 AU”, 2016A&A...595A..19D ADS
- Rodríguez, L., Masías-Meza, J. J., Dasso, S., et al., “Typical Profiles and Distributions of Plasma and Magnetic Field Parameters in Magnetic Clouds at 1 AU”, 2016SoPh...291.2145R ADS
- Priest, E. R., Longcope, D. W., & Janvier, M., “Evolution of Magnetic Helicity During Eruptive Flares and Coronal Mass Ejections”, 2016SoPh...291.2017P ADS
- Harra, L. K., Schrijver, C. J., Janvier, M., et al., “The Characteristics of Solar X-Class Flares and CMEs: A Paradigm for Stellar Superflares and Eruptions?”, 2016SoPh...291.1761H ADS
- Lavraud, B., Liu, Y., Segura, K., et al., “A small mission concept to the Sun-Earth Lagrangian L5 point for innovative solar, heliospheric and space weather science”, 2016JASTP.146..171L ADS
- Masías-Meza, J. J., Dasso, S., Démoulin, P., Rodríguez, L., & Janvier, M., “Superposed epoch study of ICME sub-structures near Earth and their effects on Galactic cosmic rays”, 2016A&A...592A.118M ADS
- Savcheva, A., Janvier, M., Pariat, E., & Tassev, S., “Evolution of the Topology, Electric Currents, and Ribbons during an X-class Flare”, 2016shin.confE.126S ADS
- Schmieder, B., Aulanier, G., Janvier, M., et al., “Evidence of flux rope and sigmoid in Active Regions prior eruptions”, 2016cosp...41E1750S ADS
- Mandrini, C. H. & Janvier, M., “Magnetic energy release and topology in the solar atmosphere”, 2016cosp...41E1241M ADS
- Giunta, A., Haberreiter, M., Peter, H., et al., “Solar abundances with the SPICE spectral imager on Solar Orbiter”, 2016cosp...41E.681G ADS
- Fludra, A., Haberreiter, M., Peter, H., et al., “The SPICE Spectral Imager on Solar Orbiter: Linking the Sun to the Heliosphere”, 2016cosp...41E.607F ADS
- Dasso, S., Rodríguez, L., Demoulin, P., Masías-Meza, J. J., & Janvier, M., “Manifestation of Coronal Mass Ejections near Earth: A review”, 2016cosp...41E.405D ADS
- Janvier, M., Savcheva, A., Pariat, E., et al., “Evolution of flare ribbons, electric currents, and quasi-separatrix layers during an X-class flare”, 2016A&A...591A.141J ADS
- Savcheva, A., Janvier, M., & Pariat, E., “Evolution of the Topology, Electric Currents, and Ribbons during an X-class Flare”, 2016SPD...4740101S ADS
- Dudík, J., Polito, V., Janvier, M., et al., “Slipping Magnetic Reconnection, Chromospheric Evaporation, Implosion, and Precursors in the 2014 September 10 X1.6-Class Solar Flare”, 2016ApJ...823...41D ADS
- Démoulin, P., Janvier, M., & Dasso, S., “Magnetic Flux and Helicity of Magnetic Clouds”, 2016SoPh...291..531D ADS
- Janvier, M., Aulanier, G., & Démoulin, P., “From Coronal Observations to MHD Simulations, the Building Blocks for 3D Models of Solar Flares (Invited Review)”, 2015SoPh...290.3425J ADS
- Dudík, J., Janvier, M., Polito, V., et al., “Slipping reconnection and chromospheric evaporation in the 10 September 2014 flare”, 2015IAUGA...2252237D ADS
- Möstl, C., Rollett, T., Frahm, R. A., et al., “Strong coronal channelling and interplanetary evolution of a solar storm up to Earth and Mars”, 2015NatCo...6.7135M ADS
- Janvier, M., Dasso, S., Démoulin, P., Masías-Meza, J. J., & Lugaz, N., “Comparing generic models for interplanetary shocks and magnetic clouds axis configurations at 1 AU”, 2015JGRA...120.3328J ADS
- Möstl, C., Rollett, T., Frahm, R. A., et al., “Strong coronal deflection of a CME and its interplanetary evolution to Earth and Mars”, 2015EGUGA...17.1366M ADS
- Nishizuka, N., Karlický, M., Janvier, M., & Bárta, M., “Particle Acceleration in Plasmoid Ejections Derived from Radio Drifting Pulsating Structures”, 2015ApJ...799..126N ADS
- Janvier, M., Démoulin, P., & Dasso, S., “In situ properties of small and large flux ropes in the solar wind”, 2014JGRA...119.7088J ADS
- Janvier, M., Démoulin, P., & Dasso, S., “Are There Different Populations of Flux Ropes in the Solar Wind?”, 2014SoPh...289.2633J ADS
- Janvier, M., Aulanier, G., Bommier, V., et al., “Electric Currents in Flare Ribbons: Observations and Three-dimensional Standard Model”, 2014ApJ...788...60J ADS
- Janvier, M., Démoulin, P., & Dasso, S., “Mean shape of interplanetary shocks deduced from in situ observations and its relation with interplanetary CMEs”, 2014A&A...565A..99J ADS
- Dudík, J., Janvier, M., Aulanier, G., et al., “Slipping Magnetic Reconnection during an X-class Solar Flare Observed by SDO/AIA”, 2014ApJ...784..144D ADS
- Dasso, S., Janvier, M., Demoulin, P., & Masías Meza, J., “Highlights of Interplanetary Coronal Mass Ejections and its impact on the terrestrial environment”, 2014cosp...40E.637D ADS
- Dasso, S., Janvier, M., Demoulin, P., & Masías-Meza, J. J., “Structure of ICMEs and their driven shocks at 1 AU, and consequences on Forbush decreases”, 2014cosp...40E.636D ADS
- Janvier, M., Démoulin, P., & Dasso, S., “Flux rope axis geometry of magnetic clouds deduced from in situ data”, 2014IAUS...300..265J ADS
- Janvier, M., Démoulin, P., & Dasso, S., “Global axis shape of magnetic clouds deduced from the distribution of their local axis orientation”, 2013A&A...556A..50J ADS
- Janvier, M., Aulanier, G., Pariat, E., & Démoulin, P., “The standard flare model in three dimensions. III. Slip-running reconnection properties”, 2013A&A...555A..77J ADS
- Démoulin, P., Dasso, S., & Janvier, M., “Does spacecraft trajectory strongly affect detection of magnetic clouds?”, 2013A&A...550A...3D ADS
- Aulanier, G., Démoulin, P., Schrijver, C. J., et al., “The standard flare model in three dimensions. II. Upper limit on solar flare energy”, 2013A&A...549A..66A ADS
- Janvier, M., Schmieder, B., Pariat, E., & Aulanier, G., “Slip-running reconnection and evolution of shear in post-flare loops”, 2012cosp...39..816J ADS
- Aulanier, G., Janvier, M., & Schmieder, B., “The standard flare model in three dimensions. I. Strong-to-weak shear transition in post-flare loops”, 2012A&A...543A.110A ADS
- Janvier, M., Kishimoto, Y., & Li, J. Q., “Structure-Driven Nonlinear Instability as the Origin of the Explosive Reconnection Dynamics in Resistive Double Tearing Modes”, 2011PhRvL.107s5001J ADS
- Titov, D. V., Svedhem, H., Koschny, D., et al., “Venus Express science planning”, 2006P&SS...54.1279T ADS
- Laurens, P., Decoux, E., & Janvier, M., “SOHO Microvibrations: Analyses, Tests and Flight Results”, 1997ESASP.381..489L ADS
- Janvier, M., “Atelier scientifique: une autre façon d'enseigner les sciences au collège”, 1996LAAstr.110...44J ADS
- Frezet, M., Riant, P., Janvier, M., & Caldichoury, M., “Hermes rendezvous and navigation system”, 1989ESASP.297..207F ADS