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

Tschernitz, J. & Bourdin, P.-A., *"Influence of the kinematic viscosity on solar convection simulations"*, 2022cosp...44.2553T ADS

Pandey, V. & Bourdin, P.-A., *"Heating and cooling in an atmospheric model of the solar corona"*, 2022cosp...44.2482P ADS

Bourdin, P.-A., *"Electromotive force and helicity estimation of an iCME observed by SolarOrbiter"*, 2022cosp...44.1369B ADS

Pencil Code Collaboration, Brandenburg, A., Johansen, A., et al., *"The Pencil Code, a modular MPI code for partial differential equations and particles: multipurpose and multiuser-maintained"*, 2021JOSS....6.2807P ADS

Heinemann, S., Pomoell, J., Temmer, M., & Bourdin, P., *"Life-time evolution and magnetic structure of coronal holes"*, 2021cosp...43E1024H ADS

Hayakawa, H., Besser, B. P., Imada, S., et al., *"Derfflinger's Sunspot Observations: Primary Dataset to Understand the Dalton Minimum"*, 2021cosp...43E.915H ADS

Milillo, A., Fujimoto, M., Murakami, G., et al., *"Investigating Mercury's Environment with the Two-Spacecraft BepiColombo Mission"*, 2020SSRv..216...93M ADS

Bourdin, P.-A., *"Driving solar coronal MHD simulations on high-performance computers"*, 2020GApFD.114..235B ADS

Hayakawa, H., Besser, B. P., Iju, T., et al., *"Thaddäus Derfflinger's Sunspot Observations during 1802-1824: A Primary Reference to Understand the Dalton Minimum"*, 2020ApJ...890...98H ADS

Lhotka, C., Bourdin, P., & Pilat-Lohinger, E., *"Orbital stability of ensembles of particles in regions of magnetic reconnection in Earth's magneto-tail"*, 2019PhPl...26g2903L ADS

Hofer, B. & Bourdin, P.-A., *"Application of the Electromotive Force as a Shock Front Indicator in the Inner Heliosphere"*, 2019ApJ...878...30H ADS

Bourdin, P.-A. & Brandenburg, A., *"Magnetic Helicity from Multipolar Regions on the Solar Surface"*, 2018ApJ...869....3B ADS

Bourdin, P., Singh, N. K., & Brandenburg, A., *"Magnetic Helicity Reversal in the Corona at Small Plasma Beta"*, 2018ApJ...869....2B ADS

Bourdin, P. A., *"Electromotive force in the vincinity of an ICME shock front"*, 2018shin.confE.202B ADS

Lhotka, C., Pilat-Lohinger, E., & Bourdin, P., *"Chaotic motions of plasma and dust particles in magnetic reconnection regimes in Earth's magnetotail"*, 2018cosp...42E1985L ADS

Amerstorfer, T., Möstl, C., Hess, P., et al., *"Ensemble Prediction of a Halo Coronal Mass Ejection Using Heliospheric Imagers"*, 2018SpWea..16..784A ADS

Bourdin, P.-A., Hofer, B., & Narita, Y., *"Inner Structure of CME Shock Fronts Revealed by the Electromotive Force and Turbulent Transport Coefficients in Helios-2 Observations"*, 2018ApJ...855..111B ADS

Bourdin, P.-A., *"Catalog of fine-structured electron velocity distribution functions - Part 1: Antiparallel magnetic-field reconnection (Geospace Environmental Modeling case)"*, 2017AnGeo..35.1051B ADS

Ehsan, Z., Poedts, S., Vranjes, J., et al., *"Solar wind driven instability with non-Maxwellian distribution functions"*, 2016AGUFMSH21D2558E ADS

Smith, B., Balay, S., Knepley, M., et al.: 2016, *Firedrakeproject/Petsc: Portable, Extensible Toolkit For Scientific Computation*, Zenodo 2016zndo....161513S ADS

Lhotka, C., Bourdin, P., & Narita, Y., *"Stable motions of charged dust grains subject to solar wind, Poynting-Robertson drag, and the mean interplanetary magnetic field"*, 2016DPS....4852101L ADS

Smith, B., Balay, S., Knepley, M., et al.: 2016, *Firedrakeproject/Petsc: Portable, Extensible Toolkit For Scientific Computation*, Zenodo 2016zndo....153972S ADS

Lhotka, C., Bourdin, P., & Narita, Y., *"Charged Dust Grain Dynamics Subject to Solar Wind, Poynting-Robertson Drag, and the Interplanetary Magnetic Field"*, 2016ApJ...828...10L ADS

Bourdin, P. A., Nakamura, T., & Narita, Y., *"Effects from switching on PIC simulations: Geospace Environmental Modeling (GEM) reconnection setup revisited"*, 2015AGUFMSH43A2438B ADS

Bourdin, P. A., *"Rising coronal loops in a 3D-MHD model and the time evolution of the magnetic topology of a solar active region"*, 2015IAUGA..2257253B ADS

Bourdin, P. A., *"Signal-noise separation based on self-similarity testing in 1D-timeseries data"*, 2015IAUGA..2257225B ADS

Bourdin, P. A., *"Coronal and transition-region Doppler shifts of an active region 3D-MHD model as indicator for the magnetic activity cycle of solar-like stars"*, 2015IAUGA..2257021B ADS

Bourdin, P.-A., Bingert, S., & Peter, H., *"Coronal loops above an active region: Observation versus model"*, 2014PASJ...66S...7B ADS

Bourdin, P. A., *"Standard 1D solar atmosphere as initial condition for MHD simulations and switch-on effects"*, 2014CEAB...38....1B ADS

Bourdin, P. A., Bingert, S., & Peter, H., *"VizieR Online Data Catalog: 3D-MHD model of a solar active region corona (Bourdin+, 2013)"*, 2013yCat..35550123B ADS

Bourdin, P.-A., Bingert, S., & Peter, H., *"Coronal structure and dynamics above an active region - MHD model versus observation"*, 2013enss.confE..56B ADS

Bourdin, P.-A.: 2013, *"Observationally driven 3D MHD model of the solar corona above a magnetically active region"*,, *Ph.D. thesis*, Georg August University of Gottingen, Germany 2013PhDT.......560B ADS