

Dusan Odstrcil

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,280
citations

257101

24
h-index

454577

30
g-index

30
all docs

30
docs citations

30
times ranked

1620
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of Some Flux Corrected Transport and Total Variation Diminishing Numerical Schemes for Hydrodynamic and Magnetohydrodynamic Problems. <i>Journal of Computational Physics</i> , 1996, 128, 82-100.	1.9	277
2	Stream structure and coronal sources of the solar wind during the May 12th, 1997 CME. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2004, 66, 1295-1309.	0.6	272
3	Numerical simulation of the 12 May 1997 interplanetary CME event. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	244
4	Three-dimensional propagation of coronal mass ejections (CMEs) in a structured solar wind flow: 1. CME launched within the streamer belt. <i>Journal of Geophysical Research</i> , 1999, 104, 483-492.	3.3	209
5	Improved Method for Specifying Solar Wind Speed Near the Sun. <i>AIP Conference Proceedings</i> , 2003, , .	0.3	145
6	Propagation of the 12 May 1997 interplanetary coronal mass ejection in evolving solar wind structures. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	125
7	MULTI-POINT SHOCK AND FLUX ROPE ANALYSIS OF MULTIPLE INTERPLANETARY CORONAL MASS EJECTIONS AROUND 2010 AUGUST 1 IN THE INNER HELIOSPHERE. <i>Astrophysical Journal</i> , 2012, 758, 10.	1.6	109
8	Interplanetary coronal mass ejection observed at STEREO-A, Mars, comet 67P/Churyumov-Gerasimenko, Saturn, and New Horizons en route to Pluto: Comparison of its Forbush decreases at 1.4, 3.1, and 9.9 AU. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 7865-7890.	0.8	87
9	Validation for solar wind prediction at Earth: Comparison of coronal and heliospheric models installed at the CCMC. <i>Space Weather</i> , 2015, 13, 316-338.	1.3	85
10	AN ANALYSIS OF THE ORIGIN AND PROPAGATION OF THE MULTIPLE CORONAL MASS EJECTIONS OF 2010 AUGUST 1. <i>Astrophysical Journal</i> , 2012, 750, 45.	1.6	82
11	Wang-Sheeley-Argelée Enlil Cone Model Transitions to Operations. <i>Space Weather</i> , 2011, 9, .	1.3	79
12	Propagation of an interplanetary shock along the heliospheric plasma sheet. <i>Journal of Geophysical Research</i> , 1996, 101, 19973-19986.	3.3	70
13	Numerical Heliospheric Simulations as Assisting Tool for Interpretation of Observations by STEREO Heliospheric Imagers. <i>Solar Physics</i> , 2009, 259, 297-309.	1.0	57
14	Ensemble Modeling of the 23 July 2012 Coronal Mass Ejection. <i>Space Weather</i> , 2015, 13, 611-625.	1.3	49
15	The UCSD kinematic IPS solar wind boundary and its use in the ENLIL 3D MHD prediction model. <i>Space Weather</i> , 2015, 13, 104-115.	1.3	41
16	Validation for global solar wind prediction using Ulysses comparison: Multiple coronal and heliospheric models installed at the Community Coordinated Modeling Center. <i>Space Weather</i> , 2016, 14, 592-611.	1.3	38
17	CMEs in the Heliosphere: I. A Statistical Analysis of the Observational Properties of CMEs Detected in the Heliosphere from 2007 to 2017 by STEREO/HI-1. <i>Solar Physics</i> , 2018, 293, 1.	1.0	36
18	Modeling solar energetic particle events using ENLIL heliosphere simulations. <i>Space Weather</i> , 2017, 15, 934-954.	1.3	35

#	ARTICLE	IF	CITATIONS
19	Shock Connectivity and the Late Cycle 24 Solar Energetic Particle Events in July and September 2017. <i>Space Weather</i> , 2018, 16, 557-568.	1.3	34
20	A heliospheric simulation-based approach to SEP source and transport modeling. <i>Advances in Space Research</i> , 2007, 40, 295-303.	1.2	32
21	THE THOMSON SURFACE. III. TRACKING FEATURES IN 3D. <i>Astrophysical Journal</i> , 2013, 765, 45.	1.6	27
22	Theoretical basis for operational ensemble forecasting of coronal mass ejections. <i>Space Weather</i> , 2015, 13, 676-697.	1.3	26
23	CMEs in the Heliosphere: II. A Statistical Analysis of the Kinematic Properties Derived from Single-Spacecraft Geometrical Modelling Techniques Applied to CMEs Detected in the Heliosphere from 2007 to 2017 by STEREO/HI-1. <i>Solar Physics</i> , 2019, 294, 1.	1.0	25
24	BepiColombo Science Investigations During Cruise and Flybys at the Earth, Venus and Mercury. <i>Space Science Reviews</i> , 2021, 217, 1.	3.7	25
25	Mars plasma system response to solar wind disturbances during solar minimum. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 6611-6634.	0.8	24
26	Operational Modeling of Heliospheric Space Weather for the Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 73.	3.0	15
27	The Streamer Blowout Origin of a Flux Rope and Energetic Particle Event Observed by Parker Solar Probe at 0.5 au. <i>Astrophysical Journal</i> , 2020, 897, 134.	1.6	14
28	CMEs in the Heliosphere: III. A Statistical Analysis of the Kinematic Properties Derived from Stereoscopic Geometrical Modelling Techniques Applied to CMEs Detected in the Heliosphere from 2008 to 2014 by STEREO/HI-1. <i>Solar Physics</i> , 2020, 295, 1.	1.0	13
29	Comparing the Heliospheric Cataloging, Analysis, and Techniques Service (HELCASTS) Manual and Automatic Catalogues of Coronal Mass Ejections Using Solar Terrestrial Relations Observatory/Heliospheric Imager (STEREO/HI) Data. <i>Solar Physics</i> , 2022, 297, 1.	1.0	3
30	First Measurements of Jovian Electrons by Parker Solar Probe/ISÅ™MIS within 0.5 au of the Sun. <i>Astrophysical Journal</i> , 2022, 933, 171.	1.6	2