

Bernard Jackson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1275801/publications.pdf>

Version: 2024-02-01

77
papers

2,631
citations

201575

27
h-index

197736

49
g-index

77
all docs

77
docs citations

77
times ranked

1349
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of Inner Heliospheric Boundary Conditions on Solar Wind Predictions at Earth. <i>Space Weather</i> , 2021, 19, e2020SW002499.	1.3	15
2	Current Sheets, Magnetic Islands, and Associated Particle Acceleration in the Solar Wind as Observed by Ulysses near the Ecliptic Plane. <i>Astrophysical Journal</i> , 2019, 881, 116.	1.6	29
3	A Daily Determination of B_z Using the Russell-McPherron Effect to Forecast Geomagnetic Activity. <i>Space Weather</i> , 2019, 17, 639-652.	1.3	12
4	Validation of the Alfvén Wave Solar Atmosphere Model (AWSoM) with Observations from the Low Corona to 1 au. <i>Astrophysical Journal</i> , 2019, 887, 83.	1.6	41
5	Interplanetary Scintillation with the Murchison Widefield Array I: a sub-arcsecond survey over 900 deg ² at 79 and 158 MHz. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 2965-2983.	1.6	31
6	Assessing the Quality of Models of the Ambient Solar Wind. <i>Space Weather</i> , 2018, 16, 1644-1667.	1.3	44
7	NOVA LIGHT CURVES FROM THE SOLAR MASS EJECTION IMAGER (SMEI). II. THE EXTENDED CATALOG. <i>Astrophysical Journal</i> , 2016, 820, 104.	1.6	18
8	Exploration of solar photospheric magnetic field data sets using the UCSD tomography. <i>Space Weather</i> , 2016, 14, 1107-1124.	1.3	10
9	Preface: Radio Heliophysics: Science and Forecasting. <i>Solar Physics</i> , 2015, 290, 2393-2396.	1.0	11
10	Remote-Sensing of Solar Wind Speeds from IPS Observations at 140 and 327 MHz Using MEXART and STEL. <i>Solar Physics</i> , 2015, 290, 2539-2552.	1.0	16
11	Comparison of Solar Wind Speeds Using Wavelet Transform and Fourier Analysis in IPS Data. <i>Solar Physics</i> , 2015, 290, 2507-2518.	1.0	7
12	A DETERMINATION OF THE NORTH-SOUTH HELIOSPHERIC MAGNETIC FIELD COMPONENT FROM INNER CORONA CLOSED-LOOP PROPAGATION. <i>Astrophysical Journal Letters</i> , 2015, 803, L1.	3.0	22
13	3D Reconstruction of Interplanetary Scintillation (IPS) Remote-Sensing Data: Global Solar Wind Boundaries for Driving 3D-MHD Models. <i>Solar Physics</i> , 2015, 290, 2519-2538.	1.0	24
14	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
15	A Challenging Solar Eruptive Event of 18 November 2003 and the Causes of the 20 November Geomagnetic Superstorm. IV. Unusual Magnetic Cloud and Overall Scenario. <i>Solar Physics</i> , 2014, 289, 4653-4673.	1.0	19
16	THE THREE-DIMENSIONAL ANALYSIS OF HINODE POLAR JETS USING IMAGES FROM LASCO C2, THE STEREO COR2 CORONAGRAPHS, AND SMEI. <i>Astrophysical Journal</i> , 2014, 784, 166.	1.6	28
17	THE DYNAMIC CHARACTER OF THE POLAR SOLAR WIND. <i>Astrophysical Journal</i> , 2014, 793, 54.	1.6	7
18	An Ensemble Study of a January 2010 Coronal Mass Ejection (CME): Connecting a Non-obvious Solar Source with Its ICME/Magnetic Cloud. <i>Solar Physics</i> , 2014, 289, 4173-4208.	1.0	4

#	ARTICLE	IF	CITATIONS
19	MHD heliosphere with boundary conditions from a tomographic reconstruction using interplanetary scintillation data. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 7981-7997.	0.8	26
20	Inclusion of Real-Time In-Situ Measurements into the UCSD Time-Dependent Tomography and Its Use as a Forecast Algorithm. <i>Solar Physics</i> , 2013, 285, 151-165.	1.0	23
21	Heliospheric Imaging of 3D Density Structures During the Multiple Coronal Mass Ejections of Late July to Early August 2010. <i>Solar Physics</i> , 2013, 285, 317-348.	1.0	34
22	The Solar Mass Ejection Imager and Its Heliospheric Imaging Legacy. <i>Space Science Reviews</i> , 2013, 180, 1-38.	3.7	17
23	The analysis of polar jet responses using images from the LASCO C2 and STEREO COR 2 coronagraphs. , 2013, , .		0
24	Using comet plasma tails to study the solar wind. <i>AIP Conference Proceedings</i> , 2013, , .	0.3	7
25	3-D reconstruction of the inner heliosphere from remote-sensing data: A global solar wind boundary that includes CME transient effects. , 2012, , .		1
26	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
27	THE 3D ANALYSIS OF THE HELIOSPHERE USING INTERPLANETARY SCINTILLATION AND THOMSON-SCATTERING OBSERVATIONS. , 2012, , 69-91.		2
28	FORECASTING TRANSIENT HELIOSPHERIC SOLAR WIND PARAMETERS AT THE LOCATIONS OF THE INNER PLANETS. , 2012, , 93-115.		7
29	Variable Stellar Object Detection and Light Curves from the Solar Mass Ejection Imager (SMEI). <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 91-94.	0.0	0
30	THREE-DIMENSIONAL RECONSTRUCTIONS AND MASS DETERMINATION OF THE 2008 JUNE 2 LASCO CORONAL MASS EJECTION USING STELab INTERPLANETARY SCINTILLATION OBSERVATIONS. <i>Astrophysical Journal Letters</i> , 2010, 715, L104-L108.	3.0	16
31	SMEI 3D RECONSTRUCTION OF A CORONAL MASS EJECTION INTERACTING WITH A COROTATING SOLAR WIND DENSITY ENHANCEMENT: THE 2008 APRIL 26 CME. <i>Astrophysical Journal</i> , 2010, 724, 829-834.	1.6	14
32	EXQUISITE NOVA LIGHT CURVES FROM THE SOLAR MASS EJECTION IMAGER (SMEI). <i>Astrophysical Journal</i> , 2010, 724, 480-486.	1.6	67
33	Inclusion of In-Situ Velocity Measurements into the UCSD Time-Dependent Tomography to Constrain and Better-Forecast Remote-Sensing Observations. <i>Solar Physics</i> , 2010, 265, 245-256.	1.0	24
34	Faraday Rotation Response to Coronal Mass Ejection Structure. <i>Solar Physics</i> , 2010, 265, 31-48.	1.0	20
35	A Heliospheric Imager for Deep Space: Lessons Learned from Helios, SMEI, and STEREO. <i>Solar Physics</i> , 2010, 265, 257-275.	1.0	15
36	Three-Dimensional (3-D) Reconstructions of EISCAT IPS Velocity Data in the Declining Phase of Solar Cycle 23. <i>Solar Physics</i> , 2010, 265, 233-244.	1.0	17

#	ARTICLE	IF	CITATIONS
37	From the Sun to the Earth: The 13 May 2005 Coronal Mass Ejection. <i>Solar Physics</i> , 2010, 265, 49-127.	1.0	63
38	Large-Scale Heliospheric Structure during Solar-Minimum Conditions using a 3D Time-Dependent Reconstruction Solar-Wind Model and STELab IPS Observations. , 2010, , .		2
39	3D Reconstruction of Density Enhancements Behind Interplanetary Shocks from Solar Mass Ejection Imager White-Light Observations. <i>AIP Conference Proceedings</i> , 2010, , .	0.3	5
40	SMEI direct, 3-D-reconstruction sky maps, and volumetric analyses, and their comparison with SOHO and STEREO observations. <i>Annales Geophysicae</i> , 2009, 27, 4097-4104.	0.6	13
41	3-D reconstructions of the early-November 2004 CDAW geomagnetic storms: analysis of Ooty IPS speed and density data. <i>Annales Geophysicae</i> , 2009, 27, 4479-4489.	0.6	18
42	Low-Resolution STELab IPS 3D Reconstructions of the Whole Heliosphere Interval and Comparison with in-Ecliptic Solar Wind Measurements from STEREO and Wind Instrumentation. <i>Solar Physics</i> , 2009, 256, 201-217.	1.0	31
43	Study of CME Propagation in the Inner Heliosphere: SOHO LASCO, SMEI and STEREO HI Observations of the January 2007 Events. <i>Solar Physics</i> , 2009, 256, 239-267.	1.0	58
44	Studying geoeffective interplanetary coronal mass ejections between the Sun and Earth: Space weather implications of Solar Mass Ejection Imager observations. <i>Space Weather</i> , 2009, 7, .	1.3	20
45	A Summary of 3-D Reconstructions of the Whole Heliosphere Interval and Comparison with in-Ecliptic Solar Wind Measurements from STEREO, ACE, and Wind Instrumentation. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 480-483.	0.0	2
46	CORONAL MASS EJECTION RECONSTRUCTIONS FROM INTERPLANETARY SCINTILLATION DATA USING A KINEMATIC MODEL: A BRIEF REVIEW. , 2009, , 161-181.		9
47	Observations of a comet tail disruption induced by the passage of a CME. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	17
48	Three-dimensional reconstructions of the early November 2004 Coordinated Data Analysis Workshop geomagnetic storms: Analyses of STELab IPS speed and SMEI density data. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	40
49	Solar Mass Ejection Imager 3D reconstruction of the 27-28 May 2003 coronal mass ejection sequence. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	34
50	Analysis of Plasma Tail Motions for Comets C/2001 Q4 (NEAT) and C/2002 T7 (LINEAR) Using Observations from SMEI. <i>Astrophysical Journal</i> , 2008, 677, 798-807.	1.6	36
51	The Solar Eruption of 2005 May 13 and Its Effects: Long-Baseline Interplanetary Scintillation Observations of the Earth-Directed Coronal Mass Ejection. <i>Astrophysical Journal</i> , 2008, 683, L79-L82.	1.6	16
52	Comparison of the extent and mass of CME events in the interplanetary medium using IPS and SMEI Thomson scattering observations. <i>Astronomical and Astrophysical Transactions</i> , 2007, 26, 477-487.	0.2	9
53	A procedure for fitting point sources in SMEI white-light full-sky maps. <i>Proceedings of SPIE</i> , 2007, , .	0.8	21
54	Analysis of Solar Wind Events Using Interplanetary Scintillation Remote Sensing 3D Reconstructions and Their Comparison at Mars. <i>Solar Physics</i> , 2007, 241, 385-396.	1.0	24

#	ARTICLE	IF	CITATIONS
55	Preliminary three-dimensional analysis of the heliospheric response to the 28 October 2003 CME using SMEI white-light observations. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	76
56	Solar Mass Ejection Imager (SMEI) observations of coronal mass ejections (CMEs) in the heliosphere. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	70
57	The SMEI real-time data pipeline: from raw CCD frames to photometrically accurate full-sky maps. , 2005, , .		14
58	Comparative Analyses of the CSSS Calculation in the UCSD Tomographic Solar Observations. <i>Solar Physics</i> , 2005, 227, 339-353.	1.0	29
59	Very high altitude aurora observations with the Solar Mass Ejection Imager. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	25
60	Coronal mass ejection kinematics deduced from white light (Solar Mass Ejection Imager) and radio (Wind/WAVES) observations. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	22
61	The Solar Mass-Ejection Imager (SMEI) Mission. <i>Solar Physics</i> , 2004, 225, 177-207.	1.0	157
62	Tracking a major interplanetary disturbance with SMEI. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	53
63	Time-dependent tomography of hemispheric features using interplanetary scintillation (IPS) remote-sensing observations. <i>AIP Conference Proceedings</i> , 2003, , .	0.3	24
64	Heliospheric tomography using interplanetary scintillation observations: 2. Latitude and heliocentric distance dependence of solar wind structure at 0.1-1 AU. <i>Journal of Geophysical Research</i> , 1998, 103, 1981-1989.	3.3	138
65	Heliospheric tomography using interplanetary scintillation observations: 1. Combined Nagoya and Cambridge data. <i>Journal of Geophysical Research</i> , 1998, 103, 12049-12067.	3.3	153
66	Heliospheric tomography using interplanetary scintillation observations: 3. Correlation between speed and electron density fluctuations in the solar wind. <i>Journal of Geophysical Research</i> , 1998, 103, 1991-2001.	3.3	88
67	Wide-angle stray-light reduction for a spaceborne optical hemispherical imager. <i>Applied Optics</i> , 1996, 35, 6669.	2.1	19
68	Evidence of active region imprints on the solar wind structure. <i>AIP Conference Proceedings</i> , 1996, , .	0.3	3
69	Synoptic IPS and Yohkoh soft X-ray observations. <i>Geophysical Research Letters</i> , 1995, 22, 643-646.	1.5	28
70	Considerations of a Solar Mass Ejection Imager in a low-earth orbit. , 1992, , 322-328.		4
71	Helios spacecraft photometer observation of elongated corotating structures in the interplanetary medium. <i>Journal of Geophysical Research</i> , 1991, 96, 11307-11318.	3.3	21
72	The HELIOS spacecraft zodiacal light photometers used for comet observations and views of the comet west bow shock. <i>Earth, Moon and Planets</i> , 1990, 48, 139-163.	0.3	6

#	ARTICLE	IF	CITATIONS
73	Helios observations of the earthward-directed mass ejection of 27 November, 1979. Solar Physics, 1985, 95, 363-370.	1.0	30
74	Imaging of coronal mass ejections by the HELIOS spacecraft. Solar Physics, 1985, 100, 563-574.	1.0	68
75	Helios spacecraft and Earth perspective observations of three looplike solar mass ejection transients. Journal of Geophysical Research, 1985, 90, 5075-5081.	3.3	40
76	Helios images of solar mass ejections. Journal of Geophysical Research, 1985, 90, 10759-10764.	3.3	50
77	Physical properties of a polar coronal hole from 2 to 5 solar radii. Astrophysical Journal, 1977, 213, 874.	1.6	344