

O C St Cyr

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99
papers

8,778
citations

35
h-index

93
g-index

101
ext. papers

9,604
ext. citations

3.9
avg, IF

5.33
L-index

#	Paper	IF	Citations
99	Sun Earth Connection Coronal and Heliospheric Investigation (SECCHI). <i>Space Science Reviews</i> , 2008 , 136, 67-115	7.5	1171
98	The STEREO Mission: An Introduction. <i>Space Science Reviews</i> , 2008 , 136, 5-16	7.5	997
97	A catalog of white light coronal mass ejections observed by the SOHO spacecraft. <i>Journal of Geophysical Research</i> , 2004 , 109,		741
96	SOHO/EIT observations of an Earth-directed coronal mass ejection on May 12, 1997. <i>Geophysical Research Letters</i> , 1998 , 25, 2465-2468	4.9	468
95	Measurements of Flow Speeds in the Corona Between 2 and 30R?. <i>Astrophysical Journal</i> , 1997 , 484, 472-478	4.78	448
94	Properties of coronal mass ejections: SOHO LASCO observations from January 1996 to June 1998. <i>Journal of Geophysical Research</i> , 2000 , 105, 18169-18185		386
93	Interplanetary acceleration of coronal mass ejections. <i>Geophysical Research Letters</i> , 2000 , 27, 145-148	4.9	362
92	Solar Orbiter. <i>Solar Physics</i> , 2013 , 285, 25-70	2.6	316
91	[ITAL]SOHO[/ITAL]/EIT Observations of the 1997 April 7 Coronal Transient: Possible Evidence of Coronal Moreton Waves. <i>Astrophysical Journal</i> , 1999 , 517, L151-L154	4.7	294
90	Relationship of halo coronal mass ejections, magnetic clouds, and magnetic storms. <i>Journal of Geophysical Research</i> , 2000 , 105, 7491-7508		259
89	Evidence of an Erupting Magnetic Flux Rope: LASCO Coronal Mass Ejection of 1997 April 13. <i>Astrophysical Journal</i> , 1997 , 490, L191-L194	4.7	201
88	The Solar Orbiter mission. <i>Astronomy and Astrophysics</i> , 2020 , 642, A1	5.1	173
87	Eit and LASCO Observations of the Initiation of a Coronal Mass Ejection. <i>Solar Physics</i> , 1997 , 175, 601-612	2.6	162
86	Successive CMEs and complex ejecta. <i>Journal of Geophysical Research</i> , 2002 , 107, SSH 1-1		148
85	Coronal mass ejections, interplanetary ejecta and geomagnetic storms. <i>Geophysical Research Letters</i> , 2000 , 27, 3591-3594	4.9	142
84	Observations of Correlated White-Light and Extreme-Ultraviolet Jets from Polar Coronal Holes. <i>Astrophysical Journal</i> , 1998 , 508, 899-907	4.7	137
83	A comparison of ground-based and spacecraft observations of coronal mass ejections from 1980-1989. <i>Journal of Geophysical Research</i> , 1999 , 104, 12493-12506		135

82	Speeds of coronal mass ejections: SMM observations from 1980 and 1984-1989. <i>Journal of Geophysical Research</i> , 1994 , 99, 6543		129
81	X-ray coronal changes during Halo CMEs. <i>Geophysical Research Letters</i> , 1998 , 25, 2481-2484	4.9	125
80	Dust Detection by the Wave Instrument on STEREO: Nanoparticles Picked up by the Solar Wind?. <i>Solar Physics</i> , 2009 , 256, 463-474	2.6	120
79	Geomagnetic storms caused by coronal mass ejections (CMEs): March 1996 through June 1997. <i>Geophysical Research Letters</i> , 1998 , 25, 3019-3022	4.9	119
78	Heliospheric Images of the Solar Wind at Earth. <i>Astrophysical Journal</i> , 2008 , 675, 853-862	4.7	116
77	Constraints on Coronal Mass Ejection Dynamics from Simultaneous Radio and White-Light Observations. <i>Astrophysical Journal</i> , 2003 , 590, 533-546	4.7	84
76	Activity associated with coronal mass ejections at solar minimum: SMM observations from 1984-1986. <i>Solar Physics</i> , 1991 , 136, 379-394	2.6	84
75	INTERPRETING THE PROPERTIES OF SOLAR ENERGETIC PARTICLE EVENTS BY USING COMBINED IMAGING AND MODELING OF INTERPLANETARY SHOCKS. <i>Astrophysical Journal</i> , 2011 , 735, 7	4.7	82
74	LASCO observations of an Earth-directed coronal mass ejection on May 12, 1997. <i>Geophysical Research Letters</i> , 1998 , 25, 2477-2480	4.9	80
73	First View of the Extended Green-Line Emission Corona At Solar Activity Minimum Using the Lasco-C1 Coronagraph on Soho. <i>Solar Physics</i> , 1997 , 175, 667-684	2.6	72
72	Coronagraph observations of inflows during high solar activity. <i>Geophysical Research Letters</i> , 1999 , 26, 1203-1206	4.9	60
71	The solar origin of the January 1997 coronal mass ejection, magnetic cloud and geomagnetic storm. <i>Geophysical Research Letters</i> , 1998 , 25, 2469-2472	4.9	58
70	SECCHI Observations of the Sun's Garden-Hose Density Spiral. <i>Astrophysical Journal</i> , 2008 , 674, L109-L112	4.7	55
69	A Quick Method for Estimating the Propagation Direction of Coronal Mass Ejections Using STEREO-COR1 Images. <i>Solar Physics</i> , 2008 , 252, 385-396	2.6	55
68	Conservation of open solar magnetic flux and the floor in the heliospheric magnetic field. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	54
67	Type II radio emissions in the frequency range from 1-4 MHz associated with the April 7, 1997 solar event. <i>Geophysical Research Letters</i> , 1998 , 25, 2501-2504	4.9	45
66	Flux-Rope Coronal Mass Ejection Geometry and Its Relation to Observed Morphology. <i>Astrophysical Journal</i> , 2006 , 652, 1740-1746	4.7	41
65	Lasco Observations of Disconnected Magnetic Structures Out to Beyond 28 Solar Radii During Coronal Mass Ejections. <i>Solar Physics</i> , 1997 , 175, 685-698	2.6	39

64	Near-Sun Flux-Rope Structure of CMEs. <i>Solar Physics</i> , 2013 , 284, 47-58	2.6	35
63	STEREO SECCHI and S/WAVES Observations of Spacecraft Debris Caused by Micron-Size Interplanetary Dust Impacts. <i>Solar Physics</i> , 2009 , 256, 475-488	2.6	33
62	The Relationship of Green-Line Transients to White-Light Coronal Mass Ejections. <i>Solar Physics</i> , 1997 , 175, 699-718	2.6	31
61	The Solar Orbiter Science Activity Plan. <i>Astronomy and Astrophysics</i> , 2020 , 642, A3	5.1	30
60	Solar activity and economic fundamentals: Evidence from 12 geographically disparate power grids. <i>Space Weather</i> , 2008 , 6, n/a-n/a	3.7	27
59	STEREO Space Weather and the Space Weather Beacon. <i>Space Science Reviews</i> , 2008 , 136, 45-65	7.5	26
58	Multialtitude Observations of a Coronal Jet during the Third Whole Sun Month Campaign. <i>Astrophysical Journal</i> , 2005 , 623, 519-539	4.7	26
57	Models and data analysis tools for the Solar Orbiter mission. <i>Astronomy and Astrophysics</i> , 2020 , 642, A2	5.1	26
56	The interplanetary events of January-May, 1997 as inferred from energetic particle data, and their relationship with solar events. <i>Geophysical Research Letters</i> , 1998 , 25, 2517-2520	4.9	25
55	On the Origin, 3D Structure and Dynamic Evolution of CMEs Near Solar Minimum. <i>Solar Physics</i> , 2009 , 259, 143-161	2.6	24
54	Improved input to the empirical coronal mass ejection (CME) driven shock arrival model from CME cone models. <i>Space Weather</i> , 2006 , 4, n/a-n/a	3.7	22
53	Background Subtraction for the SECCHI/COR1 Telescope Aboard STEREO. <i>Solar Physics</i> , 2010 , 262, 213-231	2.6	21
52	The Solar Orbiter Heliospheric Imager (SoloHI). <i>Astronomy and Astrophysics</i> , 2020 , 642, A13	5.1	21
51	Combined Ulysses solar wind and SOHO coronal observations of several west limb coronal mass ejections. <i>Journal of Geophysical Research</i> , 1999 , 104, 6679-6689		20
50	Space weather and the electricity market: An initial assessment. <i>Space Weather</i> , 2004 , 2, n/a-n/a	3.7	19
49	Low-Frequency Type-II Radio Detections and Coronagraph Data Employed to Describe and Forecast the Propagation of 71 CMEs/Shocks. <i>Solar Physics</i> , 2015 , 290, 2455-2478	2.6	18
48	Coordination within the remote sensing payload on the Solar Orbiter mission. <i>Astronomy and Astrophysics</i> , 2020 , 642, A6	5.1	18
47	Understanding the origins of the heliosphere: integrating observations and measurements from Parker Solar Probe, Solar Orbiter, and other space- and ground-based observatories. <i>Astronomy and Astrophysics</i> , 2020 , 642, A4	5.1	18

46	Solar energetic particle warnings from a coronagraph. <i>Space Weather</i> , 2017 , 15, 240-257	3.7	17
45	The distribution of interplanetary dust between 0.96 and 1.04 au as inferred from impacts on the STEREO spacecraft observed by the heliospheric imagers?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 420, 1355-1366	4.3	17
44	Three-dimensional coronal density structure: 1. Model. <i>Journal of Geophysical Research</i> , 2003 , 108,		17
43	Earthward directed CMEs seen in large-scale coronal magnetic field changes, SOHO LASCO coronagraph and solar wind. <i>Journal of Geophysical Research</i> , 2001 , 106, 25103-25120		17
42	The correspondence of EUV and white light observations of coronal mass ejections with SOHO EIT and LASCO. <i>Geophysical Monograph Series</i> , 1999 , 31-46	1.1	16
41	Understanding shock dynamics in the inner heliosphere with modeling and Type II radio data: The 2010-04-03 event. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		15
40	The Solar Sources of Geoeffective Structures. <i>Geophysical Monograph Series</i> , 2013 , 123-141	1.1	15
39	Electron-Temperature Maps of the Low Solar Corona: ISCORE Results from the Total Solar Eclipse of 29 March 2006 in Libya. <i>Solar Physics</i> , 2009 , 260, 347-361	2.6	15
38	The STEREO Mission: An Introduction 2008 , 5-16		15
37	A tool to improve space weather forecasts: Kilometric radio emissions from Wind/WAVES. <i>Space Weather</i> , 2007 , 5, n/a-n/a	3.7	15
36	Ultraviolet and Optical Observations of a Coronal Transient with SOHO. <i>Astrophysical Journal</i> , 1999 , 510, 1053-1063	4.7	14
35	Did geomagnetic activity challenge electric power reliability during solar cycle 23? Evidence from the PJM regional transmission organization in North America. <i>Space Weather</i> , 2012 , 10, n/a-n/a	3.7	13
34	STEREO Ground Segment, Science Operations, and Data Archive. <i>Space Science Reviews</i> , 2008 , 136, 605-626	2.6	13
33	SOHO ground segment, science operations, and data products. <i>Solar Physics</i> , 1995 , 162, 39-59	2.6	13
32	An anatomy of space weather's electricity market impact: Case of the PJM power grid and the performance of its 500 kV transformers. <i>Space Weather</i> , 2010 , 8, n/a-n/a	3.7	12
31	A relation between dynamics of coronal mass ejections and production of solar energetic particles. <i>Astronomy and Astrophysics</i> , 2001 , 370, 1064-1070	5.1	12
30	Is There a CME Rate Floor? CME and Magnetic Flux Values for the Last Four Solar Cycle Minima. <i>Astrophysical Journal</i> , 2017 , 851, 142	4.7	10
29	Electron Temperatures and Flow Speeds of the Low Solar Corona: MACS Results from the Total Solar Eclipse of 29 March 2006 in Libya. <i>Solar Physics</i> , 2011 , 270, 235-251	2.6	10

28	CME flux rope and shock identifications and locations: Comparison of white light data, Graduated Cylindrical Shell model, and MHD simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 1886-1906	2.6	9
27	Evaluating the Uncertainties in the Electron Temperature and Radial Speed Measurements Using White Light Corona Eclipse Observations. <i>Solar Physics</i> , 2014 , 289, 2021-2039	2.6	8
26	The main pillar: Assessment of space weather observational asset performance supporting nowcasting, forecasting, and research to operations. <i>Space Weather</i> , 2014 , 12, 257-276	3.7	8
25	MLSO Mark III K-Coronameter Observations of the CME Rate from 1989 – 1996. <i>Solar Physics</i> , 2015 , 290, 2951-2962	2.6	8
24	Understanding shock dynamics in the inner heliosphere with modeling and type II radio data: A statistical study. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 4711-4723	2.6	8
23	Energy dependence of SEP electron and proton onset times. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 6168-6183	2.6	8
22	An unusually fast interplanetary coronal mass ejection observed by Ulysses at 5 AU on 15 November 2003. <i>Journal of Geophysical Research</i> , 2005 , 110,		7
21	On the Expansion Speed of Coronal Mass Ejections: Implications for Self-Similar Evolution. <i>Solar Physics</i> , 2020 , 295, 1	2.6	7
20	Evaluating Uncertainties in Coronal Electron Temperature and Radial Speed Measurements Using a Simulation of the Bastille Day Eruption. <i>Solar Physics</i> , 2018 , 293, 1	2.6	6
19	The Effects of Streamers on the Shape of the K-Coronal Spectrum. <i>Solar Physics</i> , 2004 , 225, 249-265	2.6	6
18	Fast and Wide CMEs without Observed >20 MeV Protons. <i>Astrophysical Journal</i> , 2020 , 889, 92	4.7	5
17	STEREO SECCHI COR1-A/B Intercalibration at 180° Separation. <i>Solar Physics</i> , 2011 , 272, 215-225	2.6	5
16	Correction to “The interplanetary events of January–May, 1997 as inferred from energetic particle data, and their relationship with solar events” <i>Geophysical Research Letters</i> , 1999 , 26, 2149-2150	4.9	5
15	Relationships between coronal and interplanetary structures inferred from energetic particle observations 1999 ,		5
14	Modeling and prediction of fast CME/shocks associated with type II bursts. <i>Proceedings of the International Astronomical Union</i> , 2008 , 4, 489-491	0.1	4
13	The Challenge Posed by Space Weather to High-Voltage Electricity Flows: Evidence From Ontario, Canada, and New York State, USA. <i>Space Weather</i> , 2019 , 17, 1720-1747	3.7	3
12	The Challenge Posed by Geomagnetic Activity to Electric Power Reliability: Evidence From England and Wales. <i>Space Weather</i> , 2017 , 15, 1413-1430	3.7	2
11	The Impact of Coronagraphs. <i>Eos</i> , 2014 , 95, 369-370	1.5	2

10	Detection of fast nanoparticles in the solar wind 2010 ,		2
9	Reply to comment by John G. Kappenman on Space weather and the electricity market: An initial assessment <i>Space Weather</i> , 2006 , 4, n/a-n/a	3-7	2
8	The Challenge Posed by Space Weather to Electric Power Reliability. <i>Geophysical Monograph Series</i> , 2019 , 205-217	1.1	1
7	An Attempt to Detect Coronal Mass Ejections in Lyman- β Using SOHO Swan. <i>Solar Physics</i> , 2007 , 241, 113-125	2.6	1
6	The Coronal Mass Ejection Visibility Function of Modern Coronagraphs. <i>Astrophysical Journal</i> , 2020 , 900, 161	4-7	1
5	Observations of the 24 September 1997 Coronal Flare Waves 2001 , 161-180		1
4	A Multi-Purpose Heliophysics L4 Mission. <i>Space Weather</i> , 2021 , 19, e2021SW002777	3-7	1
3	STEREO Space Weather and the Space Weather Beacon 2008 , 45-65		
2	The Relationship of Green-Line Transients to White-Light Coronal Mass Ejections 1997 , 699-718		
1	EIT and LASCO Observations of the Initiation of a Coronal Mass Ejection 1997 , 601-612		