O C St Cyr

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	A Multi-Purpose Heliophysics L4 Mission. *Space Weather*, **2021**, 19, e2021SW002777	3.7	1
98	Fast and Wide CMEs without Observed >20 MeV Protons. *Astrophysical Journal*, **2020**, 889, 92	4.7	5
97	The Coronal Mass Ejection Visibility Function of Modern Coronagraphs. *Astrophysical Journal*, **2020**, 900, 161	4.7	1
96	The Solar Orbiter Heliospheric Imager (SoloHI). *Astronomy and Astrophysics*, **2020**, 642, A13	5.1	21
95	Models and data analysis tools for the Solar Orbiter mission. *Astronomy and Astrophysics*, **2020**, 642, A2	5.1	26
94	Coordination within the remote sensing payload on the Solar Orbiter mission. *Astronomy and Astrophysics*, **2020**, 642, A6	5.1	18
93	The Solar Orbiter Science Activity Plan. *Astronomy and Astrophysics*, **2020**, 642, A3	5.1	30
92	Understanding the origins of the heliosphere: integrating observations and measurements from Parker Solar Probe, Solar Orbiter, and other space- and ground-based observatories. *Astronomy and Astrophysics*, **2020**, 642, A4	5.1	18
91	The Solar Orbiter mission. *Astronomy and Astrophysics*, **2020**, 642, A1	5.1	173
90	On the Expansion Speed of Coronal Mass Ejections: Implications for Self-Similar Evolution. *Solar Physics*, **2020**, 295, 1	2.6	7
89	The Challenge Posed by Space Weather to Electric Power Reliability. *Geophysical Monograph Series*, **2019**, 205-217	1.1	1
88	The Challenge Posed by Space Weather to High-Voltage Electricity Flows: Evidence From Ontario, Canada, and New York State, USA. *Space Weather*, **2019**, 17, 1720-1747	3.7	3
87	Evaluating Uncertainties in Coronal Electron Temperature and Radial Speed Measurements Using a Simulation of the Bastille Day Eruption. *Solar Physics*, **2018**, 293, 1	2.6	6
86	Solar energetic particle warnings from a coronagraph. *Space Weather*, **2017**, 15, 240-257	3.7	17
85	The Challenge Posed by Geomagnetic Activity to Electric Power Reliability: Evidence From England and Wales. *Space Weather*, **2017**, 15, 1413-1430	3.7	2
84	Is There a CME Rate Floor? CME and Magnetic Flux Values for the Last Four Solar Cycle Minima. *Astrophysical Journal*, **2017**, 851, 142	4.7	10
83	CME flux rope and shock identifications and locations: Comparison of white light data, Graduated Cylindrical Shell model, and MHD simulations. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 1886-1906	2.6	9

82	Energy dependence of SEP electron and proton onset times. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 6168-6183	2.6	8
81	Low-Frequency Type-II Radio Detections and Coronagraph Data Employed to Describe and Forecast the Propagation of 71 CMEs/Shocks. *Solar Physics*, **2015**, 290, 2455-2478	2.6	18
80	MLSO Mark III K-Coronameter Observations of the CME Rate from 1989 1996. *Solar Physics*, **2015**, 290, 2951-2962	2.6	8
79	Evaluating the Uncertainties in the Electron Temperature and Radial Speed Measurements Using White Light Corona Eclipse Observations. *Solar Physics*, **2014**, 289, 2021-2039	2.6	8
78	The Impact of Coronagraphs. *Eos*, **2014**, 95, 369-370	1.5	2
77	The main pillar: Assessment of space weather observational asset performance supporting nowcasting, forecasting, and research to operations. *Space Weather*, **2014**, 12, 257-276	3.7	8
76	Solar Orbiter. *Solar Physics*, **2013**, 285, 25-70	2.6	316
75	Near-Sun Flux-Rope Structure of CMEs. *Solar Physics*, **2013**, 284, 47-58	2.6	35
74	Understanding shock dynamics in the inner heliosphere with modeling and type II radio data: A statistical study. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 4711-4723	2.6	8
73	The Solar Sources of Geoeffective Structures. *Geophysical Monograph Series*, **2013**, 123-141	1.1	15
72	Understanding shock dynamics in the inner heliosphere with modeling and Type II radio data: The 2010-04-03 event. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		15
71	Did geomagnetic activity challenge electric power reliability during solar cycle 23? Evidence from the PJM regional transmission organization in North America. *Space Weather*, **2012**, 10, n/a-n/a	3.7	13
70	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?. *Monthly Notices of the Royal Astronomical Society*, **2012**, 420, 1355-1366	4.3	17
69	INTERPRETING THE PROPERTIES OF SOLAR ENERGETIC PARTICLE EVENTS BY USING COMBINED IMAGING AND MODELING OF INTERPLANETARY SHOCKS. *Astrophysical Journal*, **2011**, 735, 7	4.7	82
68	Electron Temperatures and Flow Speeds of the Low Solar Corona: MACS Results from the Total Solar Eclipse of 29 March 2006 in Libya. *Solar Physics*, **2011**, 270, 235-251	2.6	10
67	STEREO SECCHI COR1-A/B Intercalibration at 180 Separation. *Solar Physics*, **2011**, 272, 215-225	2.6	5
66	Detection of fast nanoparticles in the solar wind **2010**,		2
65	An anatomy of space weather's electricity market impact: Case of the PJM power grid and the performance of its 500 kV transformers. *Space Weather*, **2010**, 8, n/a-n/a	3.7	12

64	Background Subtraction for the SECCHI/COR1 Telescope Aboard STEREO. *Solar Physics*, **2010**, 262, 213-231	2.36	21
63	Dust Detection by the Wave Instrument on STEREO: Nanoparticles Picked up by the Solar Wind?. *Solar Physics*, **2009**, 256, 463-474	2.6	120
62	STEREO SECCHI and S/WAVES Observations of Spacecraft Debris Caused by Micron-Size Interplanetary Dust Impacts. *Solar Physics*, **2009**, 256, 475-488	2.6	33
61	On the Origin, 3D Structure and Dynamic Evolution of CMEs Near Solar Minimum. *Solar Physics*, **2009**, 259, 143-161	2.6	24
60	Electron-Temperature Maps of the Low Solar Corona: ISCORE Results from the Total Solar Eclipse of 29 March 2006 in Libya. *Solar Physics*, **2009**, 260, 347-361	2.6	15
59	Solar activity and economic fundamentals: Evidence from 12 geographically disparate power grids. *Space Weather*, **2008**, 6, n/a-n/a	3.7	27
58	Conservation of open solar magnetic flux and the floor in the heliospheric magnetic field. *Geophysical Research Letters*, **2008**, 35,	4.9	54
57	The STEREO Mission: An Introduction **2008**, 5-16		15
56	Modeling and prediction of fast CME/shocks associated with type II bursts. *Proceedings of the International Astronomical Union*, **2008**, 4, 489-491	0.1	4
55	SECCHI Observations of the Sun's Garden-Hose Density Spiral. *Astrophysical Journal*, **2008**, 674, L109-L112	4.7	55
54	A Quick Method for Estimating the Propagation Direction of Coronal Mass Ejections Using STEREO-COR1 Images. *Solar Physics*, **2008**, 252, 385-396	2.6	55
53	STEREO Space Weather and the Space Weather Beacon. *Space Science Reviews*, **2008**, 136, 45-65	7.5	26
52	STEREO Ground Segment, Science Operations, and Data Archive. *Space Science Reviews*, **2008**, 136, 605-626	7.5	13
51	The STEREO Mission: An Introduction. *Space Science Reviews*, **2008**, 136, 5-16	7.5	997
50	Sun Earth Connection Coronal and Heliospheric Investigation (SECCHI). *Space Science Reviews*, **2008** , 136, 67-115	7.5	1171
49	Heliospheric Images of the Solar Wind at Earth. *Astrophysical Journal*, **2008**, 675, 853-862	4.7	116
48	STEREO Space Weather and the Space Weather Beacon **2008**, 45-65		
47	A tool to improve space weather forecasts: Kilometric radio emissions from Wind/WAVES. *Space Weather*, **2007**, 5, n/a-n/a	3.7	15

46	An Attempt to Detect Coronal Mass Ejections in Lyman-α Using SOHO Swan. *Solar Physics*, **2007**, 241, 113-125	2.6	1
45	Reply to comment by John G. Kappenman on "Space weather and the electricity market: An initial assessment" *Space Weather*, **2006**, 4, n/a-n/a	3.7	2
44	Improved input to the empirical coronal mass ejection (CME) driven shock arrival model from CME cone models. *Space Weather*, **2006**, 4, n/a-n/a	3.7	22
43	Flux-Rope Coronal Mass Ejection Geometry and Its Relation to Observed Morphology. *Astrophysical Journal*, **2006**, 652, 1740-1746	4.7	41
42	An unusually fast interplanetary coronal mass ejection observed by Ulysses at 5 AU on 15 November 2003. *Journal of Geophysical Research*, **2005**, 110,		7
41	Multialtitude Observations of a Coronal Jet during the Third Whole Sun Month Campaign. *Astrophysical Journal*, **2005**, 623, 519-539	4.7	26
40	The Effects of Streamers on the Shape of the K-Coronal Spectrum. *Solar Physics*, **2004**, 225, 249-265	2.6	6
39	A catalog of white light coronal mass ejections observed by the SOHO spacecraft. *Journal of Geophysical Research*, **2004**, 109,		741
38	Space weather and the electricity market: An initial assessment. *Space Weather*, **2004**, 2, n/a-n/a	3.7	19
37	Constraints on Coronal Mass Ejection Dynamics from Simultaneous Radio and White-Light Observations. *Astrophysical Journal*, **2003**, 590, 533-546	4.7	84
36	Three-dimensional coronal density structure: 1. Model. *Journal of Geophysical Research*, **2003**, 108,		17
35	Successive CMEs and complex ejecta. *Journal of Geophysical Research*, **2002**, 107, SSH 1-1		148
34	Earthward directed CMEs seen in large-scale coronal magnetic field changes, SOHO LASCO coronagraph and solar wind. *Journal of Geophysical Research*, **2001**, 106, 25103-25120		17
33	Observations of the 24 September 1997 Coronal Flare Waves **2001**, 161-180		1
32	A relation between dynamics of coronal mass ejections and production of solar energetic particles. *Astronomy and Astrophysics*, **2001**, 370, 1064-1070	5.1	12
31	Interplanetary acceleration of coronal mass ejections. *Geophysical Research Letters*, **2000**, 27, 145-148	4.9	362
30	Relationship of halo coronal mass ejections, magnetic clouds, and magnetic storms. *Journal of Geophysical Research*, **2000**, 105, 7491-7508		259
29	Properties of coronal mass ejections: SOHO LASCO observations from January 1996 to June 1998. *Journal of Geophysical Research*, **2000**, 105, 18169-18185		386

28	Coronal mass ejections, interplanetary ejecta and geomagnetic storms. *Geophysical Research Letters*, **2000**, 27, 3591-3594	4.9	142
27	The correspondence of EUV and white light observations of coronal mass ejections with SOHO EIT and LASCO. *Geophysical Monograph Series*, **1999**, 31-46	1.1	16
26	Combined Ulysses solar wind and SOHO coronal observations of several west limb coronal mass ejections. *Journal of Geophysical Research*, **1999**, 104, 6679-6689		20
25	Coronagraph observations of inflows during high solar activity. *Geophysical Research Letters*, **1999**, 26, 1203-1206	4.9	60
24	Correction to The interplanetary events of JanuaryMay, 1997 as inferred from energetic particle data, and their relationship with solar events*Geophysical Research Letters*, **1999**, 26, 2149-2150	4.9	5
23	A comparison of ground-based and spacecraft observations of coronal mass ejections from 19801989. *Journal of Geophysical Research*, **1999**, 104, 12493-12506		135
22	[ITAL]SOHO[/ITAL]/EIT Observations of the 1997 April 7 Coronal Transient: Possible Evidence of Coronal Moreton Waves. *Astrophysical Journal*, **1999**, 517, L151-L154	4.7	294
21	Relationships between coronal and interplanetary structures inferred from energetic particle observations **1999**,		5
20	Ultraviolet and Optical Observations of a Coronal Transient withSOHO. *Astrophysical Journal*, **1999**, 510, 1053-1063	4.7	14
19	The solar origin of the January 1997 coronal mass ejection, magnetic cloud and geomagnetic storm. *Geophysical Research Letters*, **1998**, 25, 2469-2472	4.9	58
18	The interplanetary events of JanuaryMay, 1997 as inferred from energetic particle data, and their relationship with solar events. *Geophysical Research Letters*, **1998**, 25, 2517-2520	4.9	25
17	Geomagnetic storms caused by coronal mass ejections (CMEs): March 1996 through June 1997. *Geophysical Research Letters*, **1998**, 25, 3019-3022	4.9	119
16	Type II radio emissions in the frequency range from 114 MHz associated with the April 7, 1997 solar event. *Geophysical Research Letters*, **1998**, 25, 2501-2504	4.9	45
15	X-ray coronal changes during Halo CMEs. *Geophysical Research Letters*, **1998**, 25, 2481-2484	4.9	125
14	LASCO observations of an Earth-directed coronal mass ejection on May 12, 1997. *Geophysical Research Letters*, **1998**, 25, 2477-2480	4.9	80
13	SOHO/EIT observations of an Earth-directed coronal mass ejection on May 12, 1997. *Geophysical Research Letters*, **1998**, 25, 2465-2468	4.9	468
12	Observations of Correlated White-Light and Extreme-Ultraviolet Jets from Polar Coronal Holes. *Astrophysical Journal*, **1998**, 508, 899-907	4.7	137
11	Measurements of Flow Speeds in the Corona Between 2 and 30R?. *Astrophysical Journal*, **1997**, 484, 472-478	4.7	448

10	Eit and LASCO Observations of the Initiation of a Coronal Mass Ejection. *Solar Physics*, **1997**, 175, 601-612	2.6	162
9	First View of the Extended Green-Line Emission Corona At Solar Activity Minimum Using the Lasco-C1 Coronagraph on Soho. *Solar Physics*, **1997**, 175, 667-684	2.6	72
8	The Relationship of Green-Line Transients to White-Light Coronal Mass Ejections. *Solar Physics*, **1997**, 175, 699-718	2.6	31
7	Lasco Observations of Disconnected Magnetic Structures Out to Beyond 28 Solar Radii During Coronal Mass Ejections. *Solar Physics*, **1997**, 175, 685-698	2.6	39
6	Evidence of an Erupting Magnetic Flux Rope: LASCO Coronal Mass Ejection of 1997 April 13. *Astrophysical Journal*, **1997**, 490, L191-L194	4.7	201
5	The Relationship of Green-Line Transients to White-Light Coronal Mass Ejections **1997**, 699-718		
4	EIT and LASCO Observations of the Initiation of a Coronal Mass Ejection **1997**, 601-612		
3	SOHO ground segment, science operations, and data products. *Solar Physics*, **1995**, 162, 39-59	2.6	13
2	Speeds of coronal mass ejections: SMM observations from 1980 and 1984-1989. *Journal of Geophysical Research*, **1994**, 99, 6543		129
1	Activity associated with coronal mass ejections at solar minimum: SMM observations from 1984 1986. *Solar Physics*, **1991**, 136, 379-394	2.6	84