

# Russell A Howard

## List of Publications by Year in descending order

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235  
papers

27,735  
citations

6254

80  
h-index

5679

162  
g-index

240  
all docs

240  
docs citations

240  
times ranked

4458  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Large Angle Spectroscopic Coronagraph (LASCO). Solar Physics, 1995, 162, 357-402.	2.5	2,320
2	EIT: Extreme-ultraviolet Imaging Telescope for the SOHO mission. Solar Physics, 1995, 162, 291-312.	2.5	1,604
3	Sun Earth Connection Coronal and Heliospheric Investigation (SECCHI). Space Science Reviews, 2008, 136, 67.	8.1	1,422
4	A catalog of white light coronal mass ejections observed by the SOHO spacecraft. Journal of Geophysical Research, 2004, 109, .	3.3	870
5	The Solar Probe Plus Mission: Humanity's First Visit to Our Star. Space Science Reviews, 2016, 204, 7-48.	8.1	821
6	On the Temporal Relationship between Coronal Mass Ejections and Flares. Astrophysical Journal, 2001, 559, 452-462.	4.5	589
7	The FIELDS Instrument Suite for Solar Probe Plus. Space Science Reviews, 2016, 204, 49-82.	8.1	521
8	The Solar Orbiter mission. Astronomy and Astrophysics, 2020, 642, A1.	5.1	514
9	Measurements of Flow Speeds in the Corona Between 2 and 30R%. Astrophysical Journal, 1997, 484, 472-478.	4.5	512
10	Continuous tracking of coronal outflows: Two kinds of coronal mass ejections. Journal of Geophysical Research, 1999, 104, 24739-24767.	3.3	492
11	The SOHO/LASCO CME Catalog. Earth, Moon and Planets, 2009, 104, 295-313.	0.6	451
12	Properties of coronal mass ejections: SOHO LASCO observations from January 1996 to June 1998. Journal of Geophysical Research, 2000, 105, 18169-18185.	3.3	440
13	Forward Modeling of Coronal Mass Ejections Using STEREO/SECCHI Data. Solar Physics, 2009, 256, 111-130.	2.5	419
14	Coronal mass ejections: 1979-1981. Journal of Geophysical Research, 1985, 90, 8173-8191.	3.3	408
15	EUVI: the STEREO-SECCHI extreme ultraviolet imager. , 2004, 5171, 111.		408
16	Modeling of Flux Rope Coronal Mass Ejections. Astrophysical Journal, 2006, 652, 763-773.	4.5	403
17	Predicting the 1-AU arrival times of coronal mass ejections. Journal of Geophysical Research, 2001, 106, 29207-29217.	3.3	368
18	Coronal mass ejections and interplanetary shocks. Journal of Geophysical Research, 1985, 90, 163-175.	3.3	360

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19	The observation of a coronal transient directed at earth. <i>Astrophysical Journal</i> , 1982, 263, L101.	4.5	349
20	The solar cycle variation of coronal mass ejections and the solar wind mass flux. <i>Journal of Geophysical Research</i> , 1994, 99, 4201.	3.3	340
21	[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.	4.5	315
22	Eit Observations of the Extreme Ultraviolet Sun. <i>Solar Physics</i> , 1997, 175, 571-599.	2.5	313
23	The Heliospheric Imagers Onboard the STEREO Mission. <i>Solar Physics</i> , 2009, 254, 387-445.	2.5	312
24	Prominence Eruptions and Coronal Mass Ejection: A Statistical Study Using Microwave Observations. <i>Astrophysical Journal</i> , 2003, 586, 562-578.	4.5	292
25	Radio Signatures of Coronal Mass Ejection Interaction: Coronal Mass Ejection Cannibalism?. <i>Astrophysical Journal</i> , 2001, 548, L91-L94.	4.5	281
26	Intensity variation of large solar energetic particle events associated with coronal mass ejections. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	248
27	Associations between coronal mass ejections and solar energetic proton events. <i>Journal of Geophysical Research</i> , 1984, 89, 9683-9693.	3.3	247
28	Large- $\theta$ Spectrometric Coronagraph Measurements of the Energetics of Coronal Mass Ejections. <i>Astrophysical Journal</i> , 2000, 534, 456-467.	4.5	240
29	Origin of Streamer Material in the Outer Corona. <i>Astrophysical Journal</i> , 1998, 498, L165-L168.	4.5	237
30	A magnetic cloud and a coronal mass ejection. <i>Geophysical Research Letters</i> , 1982, 9, 1317-1320.	4.0	236
31	A Study of the Kinematic Evolution of Coronal Mass Ejections. <i>Astrophysical Journal</i> , 2004, 604, 420-432.	4.5	224
32	Interacting Coronal Mass Ejections and Solar Energetic Particles. <i>Astrophysical Journal</i> , 2002, 572, L103-L107.	4.5	221
33	Evidence of an Erupting Magnetic Flux Rope: LASCO Coronal Mass Ejection of 1997 April 13. <i>Astrophysical Journal</i> , 1997, 490, L191-L194.	4.5	221
34	Energetic interplanetary shocks, radio emission, and coronal mass ejections. <i>Journal of Geophysical Research</i> , 1987, 92, 9869-9874.	3.3	207
35	COMPREHENSIVE ANALYSIS OF CORONAL MASS EJECTION MASS AND ENERGY PROPERTIES OVER A FULL SOLAR CYCLE. <i>Astrophysical Journal</i> , 2010, 722, 1522-1538.	4.5	205
36	Identification of Solar Sources of Major Geomagnetic Storms between 1996 and 2000. <i>Astrophysical Journal</i> , 2003, 582, 520-533.	4.5	202

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37	How Many CMEs Have Flux Ropes? Deciphering the Signatures of Shocks, Flux Ropes, and Prominences in Coronagraph Observations of CMEs. <i>Solar Physics</i> , 2013, 284, 179.	2.5	201
38	LASCO and EIT Observations of Helical Structure in Coronal Mass Ejections. <i>Astrophysical Journal</i> , 1999, 516, 465-474.	4.5	200
39	Characteristics of coronal mass ejections associated with long-wavelength type II radio bursts. <i>Journal of Geophysical Research</i> , 2001, 106, 29219-29229.	3.3	198
40	Different Power-Law Indices in the Frequency Distributions of Flares with and without Coronal Mass Ejections. <i>Astrophysical Journal</i> , 2006, 650, L143-L146.	4.5	198
41	Direct Detection of a Coronal Mass Ejectionâ€Associated Shock in Large Angle and Spectrometric Coronagraph Experiment Whiteâ€Light Images. <i>Astrophysical Journal</i> , 2003, 598, 1392-1402.	4.5	197
42	On the origin of solar metric type II bursts. <i>Solar Physics</i> , 1999, 187, 89-114.	2.5	195
43	Associations between coronal mass ejections and soft X-ray events. <i>Astrophysical Journal</i> , 1983, 272, 349.	4.5	193
44	The dynamical nature of coronal streamers. <i>Journal of Geophysical Research</i> , 2000, 105, 25133-25142.	3.3	184
45	The Proper Treatment of Coronal Mass Ejection Brightness: A New Methodology and Implications for Observations. <i>Astrophysical Journal</i> , 2006, 642, 1216-1221.	4.5	178
46	Eit and LASCO Observations of the Initiation of a Coronal Mass Ejection. <i>Solar Physics</i> , 1997, 175, 601-612.	2.5	176
47	Observations of Correlated Whiteâ€Light and Extremeâ€Ultraviolet Jets from Polar Coronal Holes. <i>Astrophysical Journal</i> , 1998, 508, 899-907.	4.5	164
48	Coronal mass ejections and other extreme characteristics of the 2003 October-November solar eruptions. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	153
49	Coronal Mass Ejections and Solar Polarity Reversal. <i>Astrophysical Journal</i> , 2003, 598, L63-L66.	4.5	145
50	Geomagnetic storms caused by coronal mass ejections (CMEs): March 1996 through June 1997. <i>Geophysical Research Letters</i> , 1998, 25, 3019-3022.	4.0	144
51	The Wide-Field Imager for Solar Probe Plus (WISPR). <i>Space Science Reviews</i> , 2016, 204, 83-130.	8.1	140
52	EUV WAVE REFLECTION FROM A CORONAL HOLE. <i>Astrophysical Journal</i> , 2009, 691, L123-L127.	4.5	137
53	Relation Between Type II Bursts and CMEs Inferred from STEREO Observations. <i>Solar Physics</i> , 2009, 259, 227-254.	2.5	136
54	Visibility of coronal mass ejections as a function of flare location and intensity. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	131

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55	Heliospheric Images of the Solar Wind at Earth. <i>Astrophysical Journal</i> , 2008, 675, 853-862.	4.5	127
56	Comparison of Two Coronal Mass Ejections Observed by EIT and LASCO with a Model of an Erupting Magnetic Flux Rope. <i>Astrophysical Journal</i> , 1999, 512, 484-495.	4.5	126
57	An interplanetary shock traced by planetary auroral storms from the Sun to Saturn. <i>Nature</i> , 2004, 432, 78-81.	27.8	123
58	Fine structure and perturbation analysis of the a3II state of CO. <i>Journal of Molecular Spectroscopy</i> , 1972, 44, 347-382.	1.2	122
59	Associations between coronal mass ejections and metric type II bursts. <i>Astrophysical Journal</i> , 1984, 279, 839.	4.5	121
60	Type II radio bursts and energetic solar eruptions. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	120
61	Coronal mass ejections, type II radio bursts, and solar energetic particle events in the SOHO era. <i>Annales Geophysicae</i> , 2008, 26, 3033-3047.	1.6	119
62	On the 3-D reconstruction of Coronal Mass Ejections using coronagraph data. <i>Annales Geophysicae</i> , 2010, 28, 203-215.	1.6	119
63	Influence of coronal mass ejection interaction on propagation of interplanetary shocks. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	113
64	Origin and Evolution of Coronal Streamer Structure During the 1996 Minimum Activity Phase. <i>Astrophysical Journal</i> , 1997, 485, 875-889.	4.5	106
65	Deriving the Electron Density of the Solar Corona from the Inversion of Total Brightness Measurements. <i>Astrophysical Journal</i> , 2001, 548, 1081-1086.	4.5	106
66	Solar source of the largest geomagnetic storm of cycle 23. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	4.0	103
67	The Highly Structured Outer Solar Corona. <i>Astrophysical Journal</i> , 2018, 862, 18.	4.5	101
68	Magnetic Geometry and Dynamics of the Fast Coronal Mass Ejection of 1997 September 9. <i>Astrophysical Journal</i> , 2000, 533, 481-500.	4.5	94
69	INTERPLANETARY SHOCKS LACKING TYPE II RADIO BURSTS. <i>Astrophysical Journal</i> , 2010, 710, 1111-1126.	4.5	94
70	First Imaging of Coronal Mass Ejections in the Heliosphere Viewed from Outside the Sun's Earth Line. <i>Solar Physics</i> , 2008, 247, 171-193.	2.5	92
71	Initial observations with the SOLWIND coronagraph. <i>Astrophysical Journal</i> , 1980, 237, L99.	4.5	91
72	Constraints on Coronal Mass Ejection Dynamics from Simultaneous Radio and White-Light Observations. <i>Astrophysical Journal</i> , 2003, 590, 533-546.	4.5	90

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73	Photometry of Mercury from SOHO/LASCO and Earth The Phase Function from 2 to 170°. Icarus, 2002, 155, 253-264.	2.5	89
74	An empirical model to predict the 1-AU arrival of interplanetary shocks. Advances in Space Research, 2005, 36, 2289-2294.	2.6	89
75	LASCO observations of an Earth-directed coronal mass ejection on May 12, 1997. Geophysical Research Letters, 1998, 25, 2477-2480.	4.0	88
76	Title is missing!. Solar Physics, 1997, 175, 667-684.	2.5	87
77	Doppler scintillation observations of interplanetary shocks within 0.3 AU. Journal of Geophysical Research, 1985, 90, 154-162.	3.3	85
78	Near-Sun observations of an F-corona decrease and K-corona fine structure. Nature, 2019, 576, 232-236.	27.8	84
79	Large solar energetic particle events of cycle 23: A global view. Geophysical Research Letters, 2003, 30, .	4.0	83
80	On the relationship between coronal mass ejections and magnetic clouds. Geophysical Research Letters, 1998, 25, 2485-2488.	4.0	82
81	Stereoscopic Analysis of the 19 May 2007 Erupting Filament. Solar Physics, 2009, 256, 57-72.	2.5	82
82	Sungrazing Comets Discovered with the SOHO/LASCO Coronagraphs 1996-1998. Icarus, 2002, 157, 323-348.	2.5	80
83	Intermittent release of transients in the slow solar wind: 1. Remote sensing observations. Journal of Geophysical Research, 2010, 115, .	3.3	80
84	The first super geomagnetic storm of solar cycle 24: "The St. Patrick's day event (17 March 2015)". Earth, Planets and Space, 2016, 68, .	2.5	80
85	Erupting Solar Magnetic Flux Ropes: Theory and Observation. Astrophysical Journal, 2001, 562, 1045-1057.	4.5	79
86	AN EMPIRICAL RECONSTRUCTION OF THE 2008 APRIL 26 CORONAL MASS EJECTION. Astrophysical Journal, 2009, 702, 901-910.	4.5	78
87	COR1 inner coronagraph for STEREO-SECCHI. , 2003, , .		75
88	A Fresh View of the Extreme-Ultraviolet Corona from the Application of a New Image Processing Technique. Astrophysical Journal, 2008, 674, 1201-1206.	4.5	74
89	Radio-Quiet Fast and Wide Coronal Mass Ejections. Astrophysical Journal, 2008, 674, 560-569.	4.5	73
90	A Quick Method for Estimating the Propagation Direction of Coronal Mass Ejections Using STEREO-COR1 Images. Solar Physics, 2008, 252, 385-396.	2.5	72

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91	Coronagraph observations of inflows during high solar activity. Geophysical Research Letters, 1999, 26, 1203-1206.	4.0	71
92	A two-Type Classification of Lasco Coronal Mass Ejection. Space Science Reviews, 2001, 95, 147-163.	8.1	71
93	Coronal transients near sunspot maximum. Solar Physics, 1981, 69, 169-175.	2.5	70
94	Observations of coronal disturbances from 1 to 9 R <sub>s</sub> . Solar Physics, 1974, 36, 219-231.	2.5	69
95	Spatial Relationship between Solar Flares and Coronal Mass Ejections. Astrophysical Journal, 2008, 673, 1174-1180.	4.5	68
96	The Solar Orbiter Science Activity Plan. Astronomy and Astrophysics, 2020, 642, A3.	5.1	67
97	First Stereoscopic Coronal Loop Reconstructions from STEREO SECCHI Images. Astrophysical Journal, 2007, 671, L205-L208.	4.5	66
98	Solar Wind Sources in the Late Declining Phase of Cycle 23: Effects of the Weak Solar Polar Field on High-Speed Streams. Solar Physics, 2009, 256, 285-305.	2.5	65
99	A solar storm observed from the Sun to Venus using the STEREO, Venus Express, and MESSENGER spacecraft. Journal of Geophysical Research, 2009, 114, .	3.3	65
100	SECCHI Observations of the Sun's Garden-Hose Density Spiral. Astrophysical Journal, 2008, 674, L109-L112.	4.5	61
101	A STEREO Survey of Magnetic Cloud Coronal Mass Ejections Observed at Earth in 2008–2012. Astrophysical Journal, Supplement Series, 2017, 229, 29.	7.7	60
102	Interplanetary radio emission due to interaction between two coronal mass ejections. Geophysical Research Letters, 2002, 29, 106-1-106-4.	4.0	59
103	Study of CME Propagation in the Inner Heliosphere: SOHO LASCO, SMEI and STEREO HI Observations of the January 2007 Events. Solar Physics, 2009, 256, 239-267.	2.5	58
104	Observation of sectored structure in the outer solar corona: Correlation with interplanetary magnetic field. Solar Physics, 1974, 37, 469-475.	2.5	57
105	Calibration of the Soho/Lasco C3 White Light Coronagraph. Solar Physics, 2006, 233, 331-372.	2.5	55
106	First Direct Observation of the Interaction between a Comet and a Coronal Mass Ejection Leading to a Complete Plasma Tail Disconnection. Astrophysical Journal, 2007, 668, L79-L82.	4.5	55
107	EMPIRICAL RECONSTRUCTION AND NUMERICAL MODELING OF THE FIRST GEOEFFECTIVE CORONAL MASS EJECTION OF SOLAR CYCLE 24. Astrophysical Journal, 2011, 729, 70.	4.5	54
108	Models and data analysis tools for the Solar Orbiter mission. Astronomy and Astrophysics, 2020, 642, A2.	5.1	53

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109	The Green Line Corona and Its Relation to the Photospheric Magnetic Field. <i>Astrophysical Journal</i> , 1997, 485, 419-429.	4.5	53
110	Multi-Wavelength Observations of CMEs and Associated Phenomena. <i>Space Science Reviews</i> , 2006, 123, 341-382.	8.1	52
111	A CORONAL HOLE'S EFFECTS ON CORONAL MASS EJECTION SHOCK MORPHOLOGY IN THE INNER HELIOSPHERE. <i>Astrophysical Journal</i> , 2012, 755, 43.	4.5	52
112	Relating Streamer Flows to Density and Magnetic Structures at the Parker Solar Probe. <i>Astrophysical Journal</i> , Supplement Series, 2020, 246, 37.	7.7	52
113	The Solar Cycle Dependence of Coronal Mass Ejections. <i>Astrophysics and Space Science Library</i> , 1986, , 107-111.	2.7	51
114	RECONSTRUCTING THE MORPHOLOGY OF AN EVOLVING CORONAL MASS EJECTION. <i>Astrophysical Journal</i> , 2010, 715, 1524-1532.	4.5	50
115	Type II radio emissions in the frequency range from 1-14 MHz associated with the April 7, 1997 solar event. <i>Geophysical Research Letters</i> , 1998, 25, 2501-2504.	4.0	49
116	White-light and radio sounding observations of coronal transients. <i>Solar Physics</i> , 1985, 98, 341-368.	2.5	48
117	Association of Extreme-Ultraviolet Imaging Telescope (EIT) Polar Plumes with Mixed-Polarity Magnetic Network. <i>Astrophysical Journal</i> , 1997, 484, L75-L78.	4.5	48
118	Discovery of the Atomic Iron Tail of Comet M c Naught Using the Heliospheric Imager on STEREO. <i>Astrophysical Journal</i> , 2007, 661, L93-L96.	4.5	48
119	The Solar Orbiter Heliospheric Imager (SoloHI). <i>Astronomy and Astrophysics</i> , 2020, 642, A13.	5.1	48
120	Observations of coronal structure during sunspot maximum. <i>Space Science Reviews</i> , 1982, 33, 219-231.	8.1	47
121	Two Years of the STEREO Heliospheric Imagers. <i>Solar Physics</i> , 2009, 256, 219-237.	2.5	47
122	Electron Density Modeling of a Streamer Using LASCO Data of 2004 January and February. <i>Astrophysical Journal</i> , 2006, 642, 523-532.	4.5	44
123	Observations of a Comet on Collision Course with the Sun. <i>Science</i> , 1982, 215, 1097-1102.	12.6	42
124	Title is missing!. <i>Solar Physics</i> , 1997, 175, 719-735.	2.5	42
125	Reconstructing the 3D Morphology of the 17 May 2008 CME. <i>Solar Physics</i> , 2009, 259, 163-178.	2.5	42
126	Streamer disconnection events observed with the LASCO coronagraph. <i>Geophysical Research Letters</i> , 1999, 26, 1349-1352.	4.0	41



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127	Helios spacecraft and Earth perspective observations of three looplike solar mass ejection transients. <i>Journal of Geophysical Research</i> , 1985, 90, 5075-5081.	3.3	40
128	Theoretical modeling for the stereo mission. <i>Space Science Reviews</i> , 2008, 136, 565-604.	8.1	40
129	Title is missing!. <i>Solar Physics</i> , 1997, 175, 685-698.	2.5	39
130	COMPREHENSIVE OBSERVATIONS OF A SOLAR MINIMUM CORONAL MASS EJECTION WITH THE SOLAR TERRESTRIAL RELATIONS OBSERVATORY. <i>Astrophysical Journal</i> , 2009, 694, 707-717.	4.5	38
131	A CME mass distribution derived from SOLWIND coronagraph observations. <i>Solar Physics</i> , 1993, 148, 359-370.	2.5	37
132	Determination of three-dimensional structure of coronal streamers and relationship to the solar magnetic field. <i>Journal of Geophysical Research</i> , 2001, 106, 15903-15915.	3.3	36
133	Venus phase function and forward scattering from H <sub>2</sub> SO <sub>4</sub> . <i>Icarus</i> , 2006, 182, 10-22.	2.5	36
134	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	35
135	STEREO SECCHI and S/WAVES Observations of Spacecraft Debris Caused by Micron-Size Interplanetary Dust Impacts. <i>Solar Physics</i> , 2009, 256, 475-488.	2.5	34
136	The Relationship of Green-Line Transients to White-Light Coronal Mass Ejections. <i>Solar Physics</i> , 1997, 175, 699-718.	2.5	32
137	The relationship of coronal mass ejections to streamers. <i>Journal of Geophysical Research</i> , 1999, 104, 22321-22330.	3.3	32
138	Kinematic Measurements of Polar Jets Observed by the Large-Angle Spectrometric Coronagraph. <i>Astrophysical Journal</i> , 1999, 523, 444-449.	4.5	32
139	<title>Sun-Earth connection coronal and heliospheric investigation (SECCHI)</title>. , 2000, , .		32
140	Coronagraphic observations of two new sungrazing comets. <i>Nature</i> , 1982, 300, 239-242.	27.8	31
141	IMAGING PROMINENCE ERUPTIONS OUT TO 1 AU. <i>Astrophysical Journal</i> , 2016, 816, 67.	4.5	31
142	WISPR Imaging of a Pristine CME. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 25.	7.7	31
143	Three-Dimensional Properties of Coronal Mass Ejections from STEREO/SECCHI Observations. <i>Solar Physics</i> , 2012, 281, 167.	2.5	30
144	The GLE-associated flare of 21 August, 1979. <i>Solar Physics</i> , 1983, 89, 181-193.	2.5	29

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145	<title>NASA Solar Terrestrial Relations Observatory (STEREO) mission heliospheric imager</title> . , 2000, 4139, 284.		29
146	Satellite Observations of the Outer Corona Near Sunspot Maximum. , 1980, , 439-442.		28
147	Coordination within the remote sensing payload on the Solar Orbiter mission. Astronomy and Astrophysics, 2020, 642, A6.	5.1	27
148	Photometric Calibration of the Lasco-C3 Coronagraph Using Stars. Solar Physics, 2006, 233, 155-169.	2.5	26
149	Direct evidence of type III electron streams propagating in coronal streamers. Astrophysical Journal, 1983, 269, L67.	4.5	26
150	STEREOSCOPIC POLAR PLUME RECONSTRUCTIONS FROM<i>STEREO</i>/SECCHI IMAGES. Astrophysical Journal, 2009, 700, 292-301.	4.5	25
151	Characteristics of flares producing metric type II bursts and coronal mass ejections. Solar Physics, 1984, 93, 133-141.	2.5	23
152	Large-scale structure of the sun's corona from radio observations using the Clark Lake Radioheliograph. Solar Physics, 1987, 108, 113-129.	2.5	23
153	In Situ Observations of Solar Wind Stream Interface Evolution. Solar Physics, 2009, 259, 323-344.	2.5	23
154	Characterization of the White-light Brightness of the F-corona between 5° and 24° Elongation. Astrophysical Journal, 2018, 862, 168.	4.5	23
155	Characteristics of coronal mass ejections associated with solar frontside and backside metric type II bursts. Journal of Geophysical Research, 1985, 90, 177-182.	3.3	22
156	Combined Ulysses solar wind and SOHO coronal observations of several west limb coronal mass ejections. Journal of Geophysical Research, 1999, 104, 6679-6689.	3.3	21
157	Modeling the Early Evolution of a Slow Coronal Mass Ejection Imaged by the Parker Solar Probe. Astrophysical Journal, Supplement Series, 2020, 246, 72.	7.7	21
158	Detailed Imaging of Coronal Rays with the Parker Solar Probe. Astrophysical Journal, Supplement Series, 2020, 246, 60.	7.7	21
159	Evolution of CME Mass in the Corona. Solar Physics, 2018, 293, 1.	2.5	20
160	Properties of metre-wavelength solar bursts associated with coronal mass ejections. Solar Physics, 1986, 105, 149-171.	2.5	19
161	THE THREE-DIMENSIONAL MORPHOLOGY OF A COROTATING INTERACTION REGION IN THE INNER HELIOSPHERE. Astrophysical Journal Letters, 2010, 708, L89-L94.	8.3	19
162	Numerical simulation of multiple CME-driven shocks in the month of 2011 September. Journal of Geophysical Research: Space Physics, 2016, 121, 1839-1856.	2.4	19

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163	The great solar eruption of May 24, 1979. <i>Eos</i> , 1981, 62, 153.	0.1	18
164	Analysis of the comparative responses of SMEI and LASCO. <i>Proceedings of SPIE</i> , 2007, , .	0.8	18
165	Evidence for a Circumsolar Dust Ring Near Mercury's Orbit. <i>Astrophysical Journal</i> , 2018, 868, 74.	4.5	17
166	Parker Solar Probe Observations of a Dust Trail in the Orbit of (3200) Phaethon. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 64.	7.7	17
167	Morphological Reconstruction of a Small Transient Observed by Parker Solar Probe on 2018 November 5. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 28.	7.7	17
168	The observation of a high-latitude coronal transient. <i>Astrophysical Journal</i> , 1980, 238, L161.	4.5	17
169	Simultaneous radio scattering and white light observations of a coronal transient. <i>Nature</i> , 1982, 300, 157-159.	27.8	16
170	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.	0.1	16
171	A Heuristic Approach to Remove the Background Intensity on White-light Solar Images. I. STEREO/HI-1 Heliospheric Images. <i>Astrophysical Journal</i> , 2017, 839, 68.	4.5	16
172	PSP/WISPR observations of dust density depletion near the Sun. <i>Astronomy and Astrophysics</i> , 2021, 650, A28.	5.1	16
173	Rotation-Averaged Rates of Coronal Mass Ejections and Dynamics of Polar Crown Filaments. <i>International Astronomical Union Colloquium</i> , 1994, 144, 83-89.	0.1	16
174	Extension of the Polar Coronal Hole Boundary into Interplanetary space. <i>Astrophysical Journal</i> , 1999, 513, 961-968.	4.5	16
175	The solar and heliospheric imager (SoloHI) instrument for the solar orbiter mission. <i>Proceedings of SPIE</i> , 2013, , .	0.8	14
176	Coronal mass ejection associated with the stationary post-flare arch of 21 <sup>st</sup> May 1980. <i>Solar Physics</i> , 1986, 103, 399-408.	2.5	13
177	Giant solar arches and coronal mass ejections in November 1980. <i>Solar Physics</i> , 1989, 122, 131-143.	2.5	13
178	Update of the Photometric Calibration of the LASCO-C2 Coronagraph Using Stars. <i>Solar Physics</i> , 2015, 290, 997-1009.	2.5	13
179	Design and tests for the heliospheric imager of the STEREO mission. , 2003, , .		12
180	Design and modelisation of ASPIICS optics. <i>Proceedings of SPIE</i> , 2015, , .	0.8	12

#	ARTICLE	IF	CITATIONS
181	Trajectory Determination for Coronal Ejecta Observed by WISPR/Parker Solar Probe. Solar Physics, 2020, 295, 1.	2.5	12
182	Pristine PSP/WISPR Observations of the Circumsolar Dust Ring near Venus's Orbit. Astrophysical Journal, 2021, 910, 157.	4.5	12
183	In-flight Calibration and Data Reduction for the WISPR Instrument On Board the PSP Mission. Solar Physics, 2021, 296, 1.	2.5	12
184	Parker Solar Probe Imaging of the Night Side of Venus. Geophysical Research Letters, 2022, 49, .	4.0	12
185	A white-light/Fe X/H $\beta$ coronal transient observation to 10 solar RadII. Solar Physics, 1983, 83, 153-166.	2.5	11
186	The Evolution of the Surface of Symmetry of the Interplanetary Dust from 24 $\text{\AA}^\circ$ to 5 $\text{\AA}^\circ$ Elongation. Astrophysical Journal, 2017, 848, 57.	4.5	11
187	Is There a CME Rate Floor? CME and Magnetic Flux Values for the Last Four Solar Cycle Minima. Astrophysical Journal, 2017, 851, 142.	4.5	11
188	MHD Interpretation of LASCO Observations of a Coronal Mass Ejection as a Disconnected Magnetic Structure. , 1997, , 719-735.		11
189	The Impact of Geometry on Observations of CME Brightness and Propagation. Solar Physics, 2009, 259, 179-197.	2.5	10
190	The Solar Mass Ejection of 8 May 1979. , 1980, , 387-391.		10
191	Search for Brightness Variations in FexivCoronagraph Observations of the Quiescent Solar Corona. Astrophysical Journal, 1998, 505, 432-442.	4.5	9
192	<title>Design of the Heliospheric Imager for the STEREO mission</title>. , 2001, 4498, 63.		9
193	CME Interaction and the Intensity of Solar Energetic Particle Events. Proceedings of the International Astronomical Union, 2004, 2004, 367-373.	0.0	9
194	Straylight-Rejection Performance of the STEREO HI Instruments. Solar Physics, 2011, 271, 197-218.	2.5	9
195	Effects of the Langer Transformation on the Calculation of Internuclear Potential Curves. Journal of Chemical Physics, 1971, 54, 4252-4255.	3.0	8
196	Connecting Coronal Mass Ejections and Magnetic Clouds: A Case Study Using an Event from 22 June 2009. Solar Physics, 2012, 281, 369.	2.5	8
197	Simulating White-Light Images of Coronal Structures for Parker Solar Probe/WISPR: Study of the Total Brightness Profiles. Solar Physics, 2020, 295, 1.	2.5	8
198	Observations of Coronal Structure during Sunspot Maximum. , 1982, , 219-231.		8

#	ARTICLE	IF	CITATIONS
199	LASCO Observations of Disconnected Magnetic Structures Out to Beyond 28 Solar Radii During Coronal Mass Ejections. , 1997, , 685-698.		8
200	PSP/WISPR Observations of Dust Density Depletion near the Sun. II. New Insights from within the Depletion Zone. Astrophysical Journal, 2022, 932, 75.	4.5	8
201	A search for forerunner activity associated with coronal mass ejections. Journal of Geophysical Research, 1987, 92, 7227-7234.	3.3	7
202	Development and test of an active pixel sensor detector for heliospheric imager on solar orbiter and solar probe plus. Proceedings of SPIE, 2013, , .	0.8	7
203	Comparing extrapolations of the coronal magnetic field structure at 2.5 <i>R<sub>i</sub></i> with multi-viewpoint coronagraphic observations. Astronomy and Astrophysics, 2019, 627, A9.	5.1	7
204	Seeing the corona with the solar probe plus mission: the wide-field imager for solar probe+ (WISPR). Proceedings of SPIE, 2013, , .	0.8	6
205	Measuring the Flattening of the Outer F-corona Using STEREO-A/HI-1 Images. Astrophysical Journal, 2018, 864, 29.	4.5	6
206	The LASCO Coronal Brightness Index. Solar Physics, 2020, 295, 1.	2.5	6
207	The Relationship of Green-Line Transients to White-Light Coronal Mass Ejections. , 1997, , 699-718.		6
208	The solar corona on 31 July, 1981. Solar Physics, 1983, 83, 233-242.	2.5	5
209	Determination of CME Trajectories by Stereoscopic Analysis of STEREO-SECCHI Data. , 2010, , .		5
210	Tomography of the Solar Corona with the Wide-Field Imager for the Parker Solar Probe. Solar Physics, 2019, 294, 1.	2.5	5
211	Sun Earth Connection Coronal and Heliospheric Investigation (SECCHI). , 2008, , 67-115.		5
212	<title>STEREO: a solar terrestrial event observer mission concept</title>. , 1996, , .		4
213	MAGRITTE: an instrument suite for the solar atmospheric imaging assembly (AIA) aboard the Solar Dynamics Observatory. , 2004, , .		4
214	Design and performances of the heliospheric imager for the STEREO mission. , 2005, 5962, 509.		4
215	The equatorial latitude of auroral activity during 1972-1977. Solar Physics, 1980, 67, 189-206.	2.5	3
216	The frequency of long-duration solar X-ray events. Solar Physics, 1985, 97, 375-379.	2.5	3

#	ARTICLE	IF	CITATIONS
217	The Extreme Ultraviolet Imaging Telescope On Board SOHO. , 1989, , .		3
218	<title>Performance of back-illuminated Tektronix CCDs in the extreme ultraviolet</title>. , 1993, 2006, 252.		3
219	Coronal Mass Ejections and Coronal Structures. Astrophysics and Space Science Library, 1989, , 493-596.	2.7	3
220	Advanced spectroscopic and coronagraphic explorer: science payload design concept. , 2003, , .		2
221	EIT Observations of the Extreme Ultraviolet Sun. , 1997, , 571-599.		2
222	Enhancing the Spatial Resolution of Solar Coronagraph Observations Using Dynamic Imaging. Astrophysical Journal, 1996, 471, 1058-1066.	4.5	1
223	<title>Wavelet image compression aboard the LASCO/SOHO coronagraph</title>. , 1998, , .		1
224	Study of Dynamical Properties of Coronal Structures in the Polar Regions. Space Science Reviews, 1999, 87, 219-222.	8.1	1
225	LASCO Observations Of The K-Corona From Solar Minimum To Solar Maximum And Beyond. AIP Conference Proceedings, 2003, , .	0.4	1
226	Theoretical Modeling for the STEREO Mission. , 2008, , 565-604.		1
227	Stray light analysis and testing of the SoloHI (solar orbiter heliospheric imager) and WISPR (wide) Tj ETQq1 1 0.784314 rgBT /Overloc		1
228	<title>Enhancing the spatial resolution of solar coronagraph images using dynamic imaging</title>. , 1996, 2804, 175.		0
229	Comparing the kinematic properties of CMEs observed by LASCO and EIT with models of erupting flux ropes. , 1999, , .		0
230	LASCO observations of the solar polar regions. , 1999, , .		0
231	<title>In-flight performance of the Very high Angular resolution ULtraviolet Telescope sounding rocket payload</title>. , 2000, 4139, 340.		0
232	Recent white-light coronagraphs at the Naval Research Laboratory. Applied Optics, 2015, 54, F298.	2.1	0
233	Multi-Wavelength Observations of CMEs and Associated Phenomena. Space Sciences Series of ISSI, 2006, , 341-382.	0.0	0
234	First View of the Extended Green-Line Emission Corona at Solar Activity Minimum Using the LASCO-C1 Coronagraph on SOHO. , 1997, , 667-684.		0

#	ARTICLE	IF	CITATIONS
235	EIT and LASCO Observations of the Initiation of a Coronal Mass Ejection. , 1997, , 601-612.		0