

Russell A Howard

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1929822/russell-a-howard-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

228
papers

23,053
citations

74
h-index

149
g-index

240
ext. papers

25,044
ext. citations

5.2
avg. IF

6.27
L-index

#	Paper	IF	Citations
228	The Large Angle Spectroscopic Coronagraph (LASCO). <i>Solar Physics</i> , 1995 , 162, 357-402	2.6	2016
227	EIT: Extreme-ultraviolet Imaging Telescope for the SOHO mission. <i>Solar Physics</i> , 1995 , 162, 291-312	2.6	1457
226	Sun Earth Connection Coronal and Heliospheric Investigation (SECCHI). <i>Space Science Reviews</i> , 2008 , 136, 67-115	7.5	1171
225	A catalog of white light coronal mass ejections observed by the SOHO spacecraft. <i>Journal of Geophysical Research</i> , 2004 , 109,		741
224	On the Temporal Relationship between Coronal Mass Ejections and Flares. <i>Astrophysical Journal</i> , 2001 , 559, 452-462	4.7	527
223	The Solar Probe Plus Mission: Humanity's First Visit to Our Star. <i>Space Science Reviews</i> , 2016 , 204, 7-48	7.5	488
222	Measurements of Flow Speeds in the Corona Between 2 and 30R _s . <i>Astrophysical Journal</i> , 1997 , 484, 472-478	4.7	448
221	Continuous tracking of coronal outflows: Two kinds of coronal mass ejections. <i>Journal of Geophysical Research</i> , 1999 , 104, 24739-24767		423
220	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
219	The SOHO/LASCO CME Catalog. <i>Earth, Moon and Planets</i> , 2009 , 104, 295-313	0.6	371
218	Coronal mass ejections: 1979-1981. <i>Journal of Geophysical Research</i> , 1985 , 90, 8173		361
217	EUVI: the STEREO-SECCHI extreme ultraviolet imager 2004 , 5171, 111		347
216	Forward Modeling of Coronal Mass Ejections Using STEREO/SECCHI Data. <i>Solar Physics</i> , 2009 , 256, 111-130		335
215	The observation of a coronal transient directed at earth. <i>Astrophysical Journal</i> , 1982 , 263, L101	4.7	323
214	Modeling of Flux Rope Coronal Mass Ejections. <i>Astrophysical Journal</i> , 2006 , 652, 763-773	4.7	319
213	Coronal mass ejections and interplanetary shocks. <i>Journal of Geophysical Research</i> , 1985 , 90, 163-175		312
212	Predicting the 1-AU arrival times of coronal mass ejections. <i>Journal of Geophysical Research</i> , 2001 , 106, 29207-29217		310

211	The FIELDS Instrument Suite for Solar Probe Plus: Measuring the Coronal Plasma and Magnetic Field, Plasma Waves and Turbulence, and Radio Signatures of Solar Transients. <i>Space Science Reviews</i> , 2016 , 204, 49-82	7.5	303
210	The solar cycle variation of coronal mass ejections and the solar wind mass flux. <i>Journal of Geophysical Research</i> , 1994 , 99, 4201		297
209	[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
208	Eit Observations of the Extreme Ultraviolet Sun. <i>Solar Physics</i> , 1997 , 175, 571-599	2.6	277
207	The Heliospheric Imagers Onboard the STEREO Mission. <i>Solar Physics</i> , 2009 , 254, 387-445	2.6	261
206	Radio Signatures of Coronal Mass Ejection Interaction: Coronal Mass Ejection Cannibalism?. <i>Astrophysical Journal</i> , 2001 , 548, L91-L94	4.7	254
205	Prominence Eruptions and Coronal Mass Ejection: A Statistical Study Using Microwave Observations. <i>Astrophysical Journal</i> , 2003 , 586, 562-578	4.7	253
204	Large-Angle Spectrometric Coronagraph Measurements of the Energetics of Coronal Mass Ejections. <i>Astrophysical Journal</i> , 2000 , 534, 456-467	4.7	220
203	Intensity variation of large solar energetic particle events associated with coronal mass ejections. <i>Journal of Geophysical Research</i> , 2004 , 109,		217
202	Associations between coronal mass ejections and solar energetic proton events. <i>Journal of Geophysical Research</i> , 1984 , 89, 9683		209
201	Origin of Streamer Material in the Outer Corona. <i>Astrophysical Journal</i> , 1998 , 498, L165-L168	4.7	207
200	A magnetic cloud and a coronal mass ejection. <i>Geophysical Research Letters</i> , 1982 , 9, 1317-1320	4.9	201
199	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
198	Interacting Coronal Mass Ejections and Solar Energetic Particles. <i>Astrophysical Journal</i> , 2002 , 572, L103-L107	4.7	197
197	A Study of the Kinematic Evolution of Coronal Mass Ejections. <i>Astrophysical Journal</i> , 2004 , 604, 420-432	4.7	195
196	Energetic interplanetary shocks, radio emission, and coronal mass ejections. <i>Journal of Geophysical Research</i> , 1987 , 92, 9869		187
195	LASCO and EIT Observations of Helical Structure in Coronal Mass Ejections. <i>Astrophysical Journal</i> , 1999 , 516, 465-474	4.7	184
194	On the origin of solar metric type II bursts. <i>Solar Physics</i> , 1999 , 187, 89-114	2.6	180

193	Direct Detection of a Coronal Mass Ejection Associated Shock in Large Angle and Spectrometric Coronagraph Experiment White-Light Images. <i>Astrophysical Journal</i> , 2003 , 598, 1392-1402	4.7	179
192	The Solar Orbiter mission. <i>Astronomy and Astrophysics</i> , 2020 , 642, A1	5.1	173
191	Characteristics of coronal mass ejections associated with long-wavelength type II radio bursts. <i>Journal of Geophysical Research</i> , 2001 , 106, 29219-29229		171
190	COMPREHENSIVE ANALYSIS OF CORONAL MASS EJECTION MASS AND ENERGY PROPERTIES OVER A FULL SOLAR CYCLE. <i>Astrophysical Journal</i> , 2010 , 722, 1522-1538	4.7	170
189	Associations between coronal mass ejections and soft X-ray events. <i>Astrophysical Journal</i> , 1983 , 272, 349	4.7	170
188	Different Power-Law Indices in the Frequency Distributions of Flares with and without Coronal Mass Ejections. <i>Astrophysical Journal</i> , 2006 , 650, L143-L146	4.7	163
187	Eit and LASCO Observations of the Initiation of a Coronal Mass Ejection. <i>Solar Physics</i> , 1997 , 175, 601-612	2.6	162
186	Identification of Solar Sources of Major Geomagnetic Storms between 1996 and 2000. <i>Astrophysical Journal</i> , 2003 , 582, 520-533	4.7	161
185	The dynamical nature of coronal streamers. <i>Journal of Geophysical Research</i> , 2000 , 105, 25133-25142		161
184	How Many CMEs Have Flux Ropes? Deciphering the Signatures of Shocks, Flux Ropes, and Prominences in Coronagraph Observations of CMEs. <i>Solar Physics</i> , 2012 , 284, 179	2.6	159
183	The Proper Treatment of Coronal Mass Ejection Brightness: A New Methodology and Implications for Observations. <i>Astrophysical Journal</i> , 2006 , 642, 1216-1221	4.7	154
182	Observations of Correlated White-Light and Extreme-Ultraviolet Jets from Polar Coronal Holes. <i>Astrophysical Journal</i> , 1998 , 508, 899-907	4.7	137
181	Coronal Mass Ejections and Solar Polarity Reversal. <i>Astrophysical Journal</i> , 2003 , 598, L63-L66	4.7	129
180	EUV WAVE REFLECTION FROM A CORONAL HOLE. <i>Astrophysical Journal</i> , 2009 , 691, L123-L127	4.7	125
179	Relation Between Type II Bursts and CMEs Inferred from STEREO Observations. <i>Solar Physics</i> , 2009 , 259, 227-254	2.6	124
178	Coronal mass ejections and other extreme characteristics of the 2003 October/November solar eruptions. <i>Journal of Geophysical Research</i> , 2005 , 110,		124
177	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
176	Heliospheric Images of the Solar Wind at Earth. <i>Astrophysical Journal</i> , 2008 , 675, 853-862	4.7	116

175	Fine structure and perturbation analysis of the a3II state of CO. <i>Journal of Molecular Spectroscopy</i> , 1972 , 44, 347-382	1.3	115
174	An interplanetary shock traced by planetary auroral storms from the Sun to Saturn. <i>Nature</i> , 2004 , 432, 78-81	50.4	114
173	Visibility of coronal mass ejections as a function of flare location and intensity. <i>Journal of Geophysical Research</i> , 2005 , 110,		113
172	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	4.7	109
171	Associations between coronal mass ejections and metric type II bursts. <i>Astrophysical Journal</i> , 1984 , 279, 839	4.7	103
170	Coronal mass ejections, type II radio bursts, and solar energetic particle events in the SOHO era. <i>Annales Geophysicae</i> , 2008 , 26, 3033-3047	2	100
169	Type II radio bursts and energetic solar eruptions. <i>Journal of Geophysical Research</i> , 2005 , 110,		99
168	Influence of coronal mass ejection interaction on propagation of interplanetary shocks. <i>Journal of Geophysical Research</i> , 2004 , 109,		98
167	On the 3-D reconstruction of Coronal Mass Ejections using coronagraph data. <i>Annales Geophysicae</i> , 2010 , 28, 203-215	2	96
166	The Wide-Field Imager for Solar Probe Plus (WISPR). <i>Space Science Reviews</i> , 2016 , 204, 83-130	7.5	90
165	Origin and Evolution of Coronal Streamer Structure During the 1996 Minimum Activity Phase. <i>Astrophysical Journal</i> , 1997 , 485, 875-889	4.7	90
164	Deriving the Electron Density of the Solar Corona from the Inversion of Total Brightness Measurements. <i>Astrophysical Journal</i> , 2001 , 548, 1081-1086	4.7	89
163	Magnetic Geometry and Dynamics of the Fast Coronal Mass Ejection of 1997 September 9. <i>Astrophysical Journal</i> , 2000 , 533, 481-500	4.7	88
162	First Imaging of Coronal Mass Ejections in the Heliosphere Viewed from Outside the Sun [Earth Line. <i>Solar Physics</i> , 2008 , 247, 171-193	2.6	85
161	Constraints on Coronal Mass Ejection Dynamics from Simultaneous Radio and White-Light Observations. <i>Astrophysical Journal</i> , 2003 , 590, 533-546	4.7	84
160	Solar source of the largest geomagnetic storm of cycle 23. <i>Geophysical Research Letters</i> , 2005 , 32, n/a-n/4.9		83
159	Photometry of Mercury from SOHO/LASCO and Earth The Phase Function from 2 to 170°. <i>Icarus</i> , 2002 , 155, 253-264	3.8	83
158	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

157	Initial observations with the SOLWIND coronagraph. <i>Astrophysical Journal</i> , 1980 , 237, L99	4.7	79
156	An empirical model to predict the 1-AU arrival of interplanetary shocks. <i>Advances in Space Research</i> , 2005 , 36, 2289-2294	2.4	78
155	INTERPLANETARY SHOCKS LACKING TYPE II RADIO BURSTS. <i>Astrophysical Journal</i> , 2010 , 710, 1111-1126	4.7	76
154	Stereoscopic Analysis of the 19 May 2007 Erupting Filament. <i>Solar Physics</i> , 2009 , 256, 57-72	2.6	73
153	Erupting Solar Magnetic Flux Ropes: Theory and Observation. <i>Astrophysical Journal</i> , 2001 , 562, 1045-1057	4.7	73
152	On the relationship between coronal mass ejections and magnetic clouds. <i>Geophysical Research Letters</i> , 1998 , 25, 2485-2488	4.9	73
151	Doppler scintillation observations of interplanetary shocks within 0.3 AU. <i>Journal of Geophysical Research</i> , 1985 , 90, 154-162		73
150	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
149	AN EMPIRICAL RECONSTRUCTION OF THE 2008 APRIL 26 CORONAL MASS EJECTION. <i>Astrophysical Journal</i> , 2009 , 702, 901-910	4.7	70
148	Sungazing Comets Discovered with the SOHO/LASCO Coronagraphs 1996-1998. <i>Icarus</i> , 2002 , 157, 323-348	3.8	70
147	Large solar energetic particle events of cycle 23: A global view. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	68
146	Radio-Quiet Fast and Wide Coronal Mass Ejections. <i>Astrophysical Journal</i> , 2008 , 674, 560-569	4.7	65
145	Observations of coronal disturbances from 1 to 9 R _☉ . <i>Solar Physics</i> , 1974 , 36, 219-231	2.6	64
144	A Fresh View of the Extreme-Ultraviolet Corona from the Application of a New Image-Processing Technique. <i>Astrophysical Journal</i> , 2008 , 674, 1201-1206	4.7	63
143	A two-Type Classification of Lasco Coronal Mass Ejection. <i>Space Science Reviews</i> , 2001 , 95, 147-163	7.5	63
142	Intermittent release of transients in the slow solar wind: 1. Remote sensing observations. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		62
141	COR1 inner coronagraph for STEREO-SECCHI 2003 ,		62
140	The Highly Structured Outer Solar Corona. <i>Astrophysical Journal</i> , 2018 , 862, 18	4.7	61

139	A solar storm observed from the Sun to Venus using the STEREO, Venus Express, and MESSENGER spacecraft. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		61
138	Coronagraph observations of inflows during high solar activity. <i>Geophysical Research Letters</i> , 1999 , 26, 1203-1206	4.9	60
137	Spatial Relationship between Solar Flares and Coronal Mass Ejections. <i>Astrophysical Journal</i> , 2008 , 673, 1174-1180	4.7	59
136	Coronal transients near sunspot maximum. <i>Solar Physics</i> , 1981 , 69, 169-175	2.6	59
135	Solar Wind Sources in the Late Declining Phase of Cycle 23: Effects of the Weak Solar Polar Field on High Speed Streams. <i>Solar Physics</i> , 2009 , 256, 285-305	2.6	57
134	First Stereoscopic Coronal Loop Reconstructions from STEREO SECCHI Images. <i>Astrophysical Journal</i> , 2007 , 671, L205-L208	4.7	56
133	SECCHI Observations of the Sun's Garden-Hose Density Spiral. <i>Astrophysical Journal</i> , 2008 , 674, L109-L112	4.7	55
132	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
131	The first super geomagnetic storm of solar cycle 24: "The St. Patrick's day event (17 March 2015)" <i>Earth, Planets and Space</i> , 2016 , 68,	2.9	51
130	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	2.6	51
129	Interplanetary radio emission due to interaction between two coronal mass ejections. <i>Geophysical Research Letters</i> , 2002 , 29, 106-1-106-4	4.9	51
128	Observation of sectored structure in the outer solar corona: Correlation with interplanetary magnetic field. <i>Solar Physics</i> , 1974 , 37, 469-475	2.6	51
127	EMPIRICAL RECONSTRUCTION AND NUMERICAL MODELING OF THE FIRST GEOEFFECTIVE CORONAL MASS EJECTION OF SOLAR CYCLE 24. <i>Astrophysical Journal</i> , 2011 , 729, 70	4.7	49
126	Calibration of the Soho/Lasco C3 White Light Coronagraph. <i>Solar Physics</i> , 2006 , 233, 331-372	2.6	49
125	Multi-Wavelength Observations of CMEs and Associated Phenomena. <i>Space Science Reviews</i> , 2006 , 123, 341-382	7.5	48
124	The Solar Cycle Dependence of Coronal Mass Ejections. <i>Astrophysics and Space Science Library</i> , 1986 , 107-111	0.3	47
123	RECONSTRUCTING THE MORPHOLOGY OF AN EVOLVING CORONAL MASS EJECTION. <i>Astrophysical Journal</i> , 2010 , 715, 1524-1532	4.7	47
122	A CORONAL HOLE'S EFFECTS ON CORONAL MASS EJECTION SHOCK MORPHOLOGY IN THE INNER HELIOSPHERE. <i>Astrophysical Journal</i> , 2012 , 755, 43	4.7	46

121	A STEREO Survey of Magnetic Cloud Coronal Mass Ejections Observed at Earth in 2008-2012. <i>Astrophysical Journal, Supplement Series</i> , 2017 , 229, 29	8	45
120	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
119	Near-Sun observations of an F-corona decrease and K-corona fine structure. <i>Nature</i> , 2019 , 576, 232-236	50.4	45
118	First Direct Observation of the Interaction between a Comet and a Coronal Mass Ejection Leading to a Complete Plasma Tail Disconnection. <i>Astrophysical Journal</i> , 2007 , 668, L79-L82	4.7	44
117	Two Years of the STEREO Heliospheric Imagers. <i>Solar Physics</i> , 2009 , 256, 219-237	2.6	42
116	Mhd Interpretation of LASCO Observations of a Coronal Mass Ejection as a Disconnected Magnetic Structure. <i>Solar Physics</i> , 1997 , 175, 719-735	2.6	42
115	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	4.7	42
114	White-light and radio sounding observations of coronal transients. <i>Solar Physics</i> , 1985 , 98, 341-368	2.6	42
113	Association of Extreme-Ultraviolet Imaging Telescope (EIT) Polar Plumes with Mixed-Polarity Magnetic Network. <i>Astrophysical Journal</i> , 1997 , 484, L75-L78	4.7	39
112	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
111	Observations of coronal structure during sunspot maximum. <i>Space Science Reviews</i> , 1982 , 33, 219-231	7.5	39
110	Reconstructing the 3D Morphology of the 17 May 2008 CME. <i>Solar Physics</i> , 2009 , 259, 163-178	2.6	38
109	Observations of a comet on collision course with the sun. <i>Science</i> , 1982 , 215, 1097-102	33.3	38
108	The Green Line Corona and Its Relation to the Photospheric Magnetic Field. <i>Astrophysical Journal</i> , 1997 , 485, 419-429	4.7	38
107	Theoretical modeling for the stereo mission. <i>Space Science Reviews</i> , 2008 , 136, 565-604	7.5	36
106	Helios spacecraft and Earth perspective observations of three looplike solar mass ejection transients. <i>Journal of Geophysical Research</i> , 1985 , 90, 5075		35
105	COMPREHENSIVE OBSERVATIONS OF A SOLAR MINIMUM CORONAL MASS EJECTION WITH THE SOLAR TERRESTRIAL RELATIONS OBSERVATORY. <i>Astrophysical Journal</i> , 2009 , 694, 707-717	4.7	34
104	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

103	Streamer disconnection events observed with the LASCO coronagraph. <i>Geophysical Research Letters</i> , 1999 , 26, 1349-1352	4.9	33
102	Relating Streamer Flows to Density and Magnetic Structures at the Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 37	8	32
101	Electron Density Modeling of a Streamer Using LASCO Data of 2004 January and February. <i>Astrophysical Journal</i> , 2006 , 642, 523-532	4.7	32
100	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		32
99	The Relationship of Green-Line Transients to White-Light Coronal Mass Ejections. <i>Solar Physics</i> , 1997 , 175, 699-718	2.6	31
98	The relationship of coronal mass ejections to streamers. <i>Journal of Geophysical Research</i> , 1999 , 104, 22321-22330		30
97	A CME mass distribution derived from SOLWIND coronagraph observations. <i>Solar Physics</i> , 1993 , 148, 359-370	2.6	30
96	The Solar Orbiter Science Activity Plan. <i>Astronomy and Astrophysics</i> , 2020 , 642, A3	5.1	30
95	Venus phase function and forward scattering from H ₂ SO ₄ . <i>Icarus</i> , 2006 , 182, 10-22	3.8	29
94	Kinematic Measurements of Polar Jets Observed by the Large-Angle Spectrometric Coronagraph. <i>Astrophysical Journal</i> , 1999 , 523, 444-449	4.7	29
93	The GLE-associated flare of 21 August, 1979. <i>Solar Physics</i> , 1983 , 89, 181-193	2.6	28
92	Three-Dimensional Properties of Coronal Mass Ejections from STEREO/SECCHI Observations. <i>Solar Physics</i> , 2012 , 281, 167	2.6	27
91	Satellite Observations of the Outer Corona Near Sunspot Maximum 1980 , 439-442		27
90	Coronagraphic observations of two new sungrazing comets. <i>Nature</i> , 1982 , 300, 239-242	50.4	26
89	Models and data analysis tools for the Solar Orbiter mission. <i>Astronomy and Astrophysics</i> , 2020 , 642, A2	5.1	26
88	IMAGING PROMINENCE ERUPTIONS OUT TO 1 AU. <i>Astrophysical Journal</i> , 2016 , 816, 67	4.7	25
87	STEREOSCOPIC POLAR PLUME RECONSTRUCTIONS FROM STEREO/SECCHI IMAGES. <i>Astrophysical Journal</i> , 2009 , 700, 292-301	4.7	24
86	Photometric Calibration of the Lasco-C3 Coronagraph Using Stars. <i>Solar Physics</i> , 2006 , 233, 155-169	2.6	23

85	Direct evidence of type III electron streams propagating in coronal streamers. <i>Astrophysical Journal</i> , 1983 , 269, L67	4.7	22
84	Sun-Earth connection coronal and heliospheric investigation (SECCHI) 2000 ,		21
83	The Solar Orbiter Heliospheric Imager (SoloHI). <i>Astronomy and Astrophysics</i> , 2020 , 642, A13	5.1	21
82	NASA Solar Terrestrial Relations Observatory (STEREO) mission heliospheric imager 2000 , 4139, 284		20
81	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
80	Large-scale structure of the sun's corona from radio observations using the Clark Lake Radioheliograph. <i>Solar Physics</i> , 1987 , 108, 113-129	2.6	20
79	Characteristics of coronal mass ejections associated with solar frontside and backside metric type II bursts. <i>Journal of Geophysical Research</i> , 1985 , 90, 177-182		19
78	Coordination within the remote sensing payload on the Solar Orbiter mission. <i>Astronomy and Astrophysics</i> , 2020 , 642, A6	5.1	18
77	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
76	THE THREE-DIMENSIONAL MORPHOLOGY OF A COROTATING INTERACTION REGION IN THE INNER HELIOSPHERE. <i>Astrophysical Journal Letters</i> , 2010 , 708, L89-L94	7.9	17
75	In Situ Observations of Solar Wind Stream Interface Evolution. <i>Solar Physics</i> , 2009 , 259, 323-344	2.6	17
74	Properties of metre-wavelength solar bursts associated with coronal mass ejections. <i>Solar Physics</i> , 1986 , 105, 149-171	2.6	17
73	The great solar eruption of May 24, 1979. <i>Eos</i> , 1981 , 62, 153	1.5	17
72	Analysis of the comparative responses of SMEI and LASCO 2007 ,		16
71	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
70	Rotation-Averaged Rates of Coronal Mass Ejections and Dynamics of Polar Crown Filaments. <i>International Astronomical Union Colloquium</i> , 1994 , 144, 83-89		16
69	Evolution of CME Mass in the Corona. <i>Solar Physics</i> , 2018 , 293, 1	2.6	15
68	Numerical simulation of multiple CME-driven shocks in the month of 2011 September. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 1839-1856	2.6	15

67	The observation of a high-latitude coronal transient. <i>Astrophysical Journal</i> , 1980 , 238, L161	4-7	15
66	Characterization of the White-light Brightness of the F-corona between 5° and 24° Elongation. <i>Astrophysical Journal</i> , 2018 , 862, 168	4-7	15
65	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	4-7	14
64	WISPR Imaging of a Pristine CME. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 25	8	13
63	The solar and heliospheric imager (SoloHI) instrument for the solar orbiter mission 2013 ,		13
62	Characteristics of flares producing metric type II bursts and coronal mass ejections. <i>Solar Physics</i> , 1984 , 93, 133-141	2.6	13
61	Simultaneous radio scattering and white light observations of a coronal transient. <i>Nature</i> , 1982 , 300, 157-159	50.4	13
60	Coronal mass ejection associated with the stationary post-flare arch of 21 st May 1980. <i>Solar Physics</i> , 1986 , 103, 399-408	2.6	12
59	Evidence for a Circumsolar Dust Ring Near Mercury's Orbit. <i>Astrophysical Journal</i> , 2018 , 868, 74	4-7	12
58	Giant solar arches and coronal mass ejections in November 1980. <i>Solar Physics</i> , 1989 , 122, 131-143	2.6	11
57	A white-light/Fe X/He coronal transient observation to 10 solar RadII. <i>Solar Physics</i> , 1983 , 83, 153-166	2.6	11
56	Extension of the Polar Coronal Hole Boundary into Interplanetary space. <i>Astrophysical Journal</i> , 1999 , 513, 961-968	4-7	11
55	Update of the Photometric Calibration of the LASCO-C2 Coronagraph Using Stars. <i>Solar Physics</i> , 2015 , 290, 997-1009	2.6	10
54	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
53	The Impact of Geometry on Observations of CME Brightness and Propagation. <i>Solar Physics</i> , 2009 , 259, 179-197	2.6	10
52	The Solar Mass Ejection of 8 May 1979 1980 , 387-391		10
51	Modeling the Early Evolution of a Slow Coronal Mass Ejection Imaged by the Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 72	8	9
50	Parker Solar Probe Observations of a Dust Trail in the Orbit of (3200) Phaethon. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 64	8	9

49	Morphological Reconstruction of a Small Transient Observed by Parker Solar Probe on 2018 November 5. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 28	8	9
48	Straylight-Rejection Performance of the STEREO HI Instruments. <i>Solar Physics</i> , 2011 , 271, 197-218	2.6	9
47	Design and tests for the heliospheric imager of the STEREO mission 2003 ,		9
46	The Evolution of the Surface of Symmetry of the Interplanetary Dust from 24° to 5° Elongation. <i>Astrophysical Journal</i> , 2017 , 848, 57	4.7	8
45	Detailed Imaging of Coronal Rays with the Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 60	8	8
44	Design and modelisation of ASPIICS optics 2015 ,		8
43	Effects of the Langer Transformation on the Calculation of Internuclear Potential Curves. <i>Journal of Chemical Physics</i> , 1971 , 54, 4252-4255	3.9	8
42	Connecting Coronal Mass Ejections and Magnetic Clouds: A Case Study Using an Event from 22 June 2009. <i>Solar Physics</i> , 2012 , 281, 369	2.6	7
41	Search for Brightness Variations in FexivCoronagraph Observations of the Quiescent Solar Corona. <i>Astrophysical Journal</i> , 1998 , 505, 432-442	4.7	7
40	A search for forerunner activity associated with coronal mass ejections. <i>Journal of Geophysical Research</i> , 1987 , 92, 7227		7
39	CME Interaction and the Intensity of Solar Energetic Particle Events. <i>Proceedings of the International Astronomical Union</i> , 2004 , 2004, 367-373	0.1	6
38	Development and test of an active pixel sensor detector for heliospheric imager on solar orbiter and solar probe plus 2013 ,		5
37	Determination of CME Trajectories by Stereoscopic Analysis of STEREO/SECCHI Data 2010 ,		5
36	The solar corona on 31 July, 1981. <i>Solar Physics</i> , 1983 , 83, 233-242	2.6	5
35	Seeing the corona with the solar probe plus mission: the wide-field imager for solar probe+ (WISPR) 2013 ,		4
34	MAGRITTE: an instrument suite for the solar atmospheric imaging assembly (AIA) aboard the Solar Dynamics Observatory 2004 ,		4
33	Design of the Heliospheric Imager for the STEREO mission 2001 , 4498, 63		4
32	PSP/WISPR observations of dust density depletion near the Sun. <i>Astronomy and Astrophysics</i> , 2021 , 650, A28	5.1	4

31	Comparing extrapolations of the coronal magnetic field structure at 2.5R _☉ with multi-viewpoint coronagraphic observations. <i>Astronomy and Astrophysics</i> , 2019 , 627, A9	5.1	4
30	Measuring the Flattening of the Outer F-corona Using STEREO-A/HI-1 Images. <i>Astrophysical Journal</i> , 2018 , 864, 29	4.7	4
29	The LASCO Coronal Brightness Index. <i>Solar Physics</i> , 2020 , 295, 1	2.6	3
28	STEREO: a solar terrestrial event observer mission concept 1996 ,		3
27	The Extreme Ultraviolet Imaging Telescope On Board SOHO 1989 ,		3
26	The frequency of long-duration solar X-ray events. <i>Solar Physics</i> , 1985 , 97, 375-379	2.6	3
25	The equatorial latitude of auroral activity during 1972–1977. <i>Solar Physics</i> , 1980 , 67, 189-206	2.6	3
24	Trajectory Determination for Coronal Ejecta Observed by WISPR/Parker Solar Probe. <i>Solar Physics</i> , 2020 , 295, 1	2.6	3
23	Sun Earth Connection Coronal and Heliospheric Investigation (SECCHI) 2008 , 67-115		3
22	Tomography of the Solar Corona with the Wide-Field Imager for the Parker Solar Probe. <i>Solar Physics</i> , 2019 , 294, 1	2.6	2
21	Simulating White-Light Images of Coronal Structures for Parker Solar Probe/WISPR: Study of the Total Brightness Profiles. <i>Solar Physics</i> , 2020 , 295, 1	2.6	2
20	Performance of back-illuminated Tektronix CCDs in the extreme ultraviolet 1993 , 2006, 252		2
19	Coronal Mass Ejections and Coronal Structures. <i>Astrophysics and Space Science Library</i> , 1989 , 493-596	0.3	2
18	EIT Observations of the Extreme Ultraviolet Sun 1997 , 571-599		2
17	In-flight Calibration and Data Reduction for the WISPR Instrument On Board the PSP Mission. <i>Solar Physics</i> , 2021 , 296, 1	2.6	2
16	LASCO Observations Of The K-Corona From Solar Minimum To Solar Maximum And Beyond. <i>AIP Conference Proceedings</i> , 2003 ,	0	1
15	Study of Dynamical Properties of Coronal Structures in the Polar Regions. <i>Space Science Reviews</i> , 1999 , 87, 219-222	7.5	1
14	Enhancing the Spatial Resolution of Solar Coronagraph Observations Using Dynamic Imaging. <i>Astrophysical Journal</i> , 1996 , 471, 1058-1066	4.7	1

- 13 Parker Solar Probe Imaging of the Night Side of Venus. *Geophysical Research Letters*, **2022**, 49, 4.9 1
- 12 Stray light analysis and testing of the SoloHI (solar orbiter heliospheric imager) and WISPR (wide field imager for solar probe) heliospheric imagers **2018**, 1
- 11 Pristine PSP/WISPR Observations of the Circumsolar Dust Ring near Venus's Orbit. *Astrophysical Journal*, **2021**, 910, 157 4.7 1
- 10 Theoretical Modeling for the STEREO Mission **2008**, 565-604 1
- 9 Recent white-light coronagraphs at the Naval Research Laboratory. *Applied Optics*, **2015**, 54, F298-302 0.2
- 8 Enhancing the spatial resolution of solar coronagraph images using dynamic imaging **1996**, 2804, 175
- 7 Multi-Wavelength Observations of CMEs and Associated Phenomena. *Space Sciences Series of ISSI*, **2006**, 341-382 0.1
- 6 The Relationship of Green-Line Transients to White-Light Coronal Mass Ejections **1997**, 699-718
- 5 First View of the Extended Green-Line Emission Corona at Solar Activity Minimum Using the LASCO-C1 Coronagraph on SOHO **1997**, 667-684
- 4 EIT and LASCO Observations of the Initiation of a Coronal Mass Ejection **1997**, 601-612
- 3 MHD Interpretation of LASCO Observations of a Coronal Mass Ejection as a Disconnected Magnetic Structure **1997**, 719-735
- 2 LASCO Observations of Disconnected Magnetic Structures Out to Beyond 28 Solar Radii During Coronal Mass Ejections **1997**, 685-698
- 1 Observations of Coronal Structure during Sunspot Maximum **1982**, 219-231