Richard A Harrison

List of Publications by Year
in descending order

65	5,145	109321 35	118850 62
papers	citations	h-index	g-index

65	65	65	1953
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sun Earth Connection Coronal and Heliospheric Investigation (SECCHI). Space Science Reviews, 2008, 136, 67.	8.1	1,422
2	The Coronal Diagnostic Spectrometer for the solar and heliospheric observatory. Solar Physics, 1995, 162, 233-290.	2.5	502
3	The Heliospheric Imagers Onboard the STEREO Mission. Solar Physics, 2009, 254, 387-445.	2.5	312
4	First imaging of corotating interaction regions using the STEREO spacecraft. Geophysical Research Letters, 2008, 35, .	4.0	165
5	A synoptic view of solar transient evolution in the inner heliosphere using the Heliospheric Imagers on STEREO. Geophysical Research Letters, 2009, 36, .	4.0	164
6	CONNECTING SPEEDS, DIRECTIONS AND ARRIVAL TIMES OF 22 CORONAL MASS EJECTIONS FROM THE SUN TO 1 AU. Astrophysical Journal, 2014, 787, 119.	4.5	145
7	Euv Blinkers: The Significance of Variations in the Extreme Ultraviolet Quiet Sun. Solar Physics, 1997, 175, 467-485.	2.5	140
8	Heliospheric Images of the Solar Wind at Earth. Astrophysical Journal, 2008, 675, 853-862.	4.5	127
9	A SELF-SIMILAR EXPANSION MODEL FOR USE IN SOLAR WIND TRANSIENT PROPAGATION STUDIES. Astrophysical Journal, 2012, 750, 23.	4.5	120
10	Stereoscopic imaging of an Earthâ€impacting solar coronal mass ejection: A major milestone for the STEREO mission. Geophysical Research Letters, 2009, 36, .	4.0	110
11	MULTI-POINT SHOCK AND FLUX ROPE ANALYSIS OF MULTIPLE INTERPLANETARY CORONAL MASS EJECTIONS AROUND 2010 AUGUST 1 IN THE INNER HELIOSPHERE. Astrophysical Journal, 2012, 758, 10.	4.5	109
12	The launch of solar coronal mass ejections: Results from the coronal mass ejection onset program. Journal of Geophysical Research, 1990, 95, 917-937.	3.3	103
13	A Multispacecraft Analysis of a Small-Scale Transient Entrained by Solar Wind Streams. Solar Physics, 2009, 256, 307-326.	2.5	93
14	First Imaging of Coronal Mass Ejections in the Heliosphere Viewed from Outside the Sunâ€‰â€“â€‰Earth Line. Solar Physics, 2008, 247, 171-193.	2.5	92
15	ESTABLISHING A STEREOSCOPIC TECHNIQUE FOR DETERMINING THE KINEMATIC PROPERTIES OF SOLAR WIND TRANSIENTS BASED ON A GENERALIZED SELF-SIMILARLY EXPANDING CIRCULAR GEOMETRY. Astrophysical Journal, 2013, 777, 167.	4.5	88
16	AN ANALYSIS OF THE ORIGIN AND PROPAGATION OF THE MULTIPLE CORONAL MASS EJECTIONS OF 2010 AUGUST 1. Astrophysical Journal, 2012, 750, 45.	4.5	82
17	Intermittent release of transients in the slow solar wind: 1. Remote sensing observations. Journal of Geophysical Research, 2010, 115, .	3.3	80
18	Title is missing!. Solar Physics, 1997, 175, 511-521.	2.5	76

#	Article	IF	Citations
19	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
20	Modeling observations of solar coronal mass ejections with heliospheric imagers verified with the Heliophysics System Observatory. Space Weather, 2017, 15, 955-970.	3.7	65
21	ElEvoHI: A NOVEL CME PREDICTION TOOL FOR HELIOSPHERIC IMAGING COMBINING AN ELLIPTICAL FRONT WITH DRAG-BASED MODEL FITTING. Astrophysical Journal, 2016, 824, 131.	4.5	63
22	SECCHI Observations of the Sun's Garden-Hose Density Spiral. Astrophysical Journal, 2008, 674, L109-L112.	4.5	61
23	Stealth Coronal Mass Ejections: A Perspective. Solar Physics, 2013, 285, 269-280.	2.5	60
24	Study of CME Propagation in the Inner Heliosphere: SOHO LASCO, SMEI and STEREO HI Observations ofÂtheÂJanuary 2007 Events. Solar Physics, 2009, 256, 239-267.	2.5	58
25	Intermittent release of transients in the slow solar wind: 2. In situ evidence. Journal of Geophysical Research, 2010, 115, .	3.3	52
26	ARRIVAL TIME CALCULATION FOR INTERPLANETARY CORONAL MASS EJECTIONS WITH CIRCULAR FRONTS AND APPLICATION TOSTEREOOBSERVATIONS OF THE 2009 FEBRUARY 13 ERUPTION. Astrophysical Journal, 2011, 741, 34.	4.5	51
27	Coronal Magnetic Structure of Earthbound CMEs and In Situ Comparison. Space Weather, 2018, 16, 442-460.	3.7	51
28	Euv Observations of a Macrospicule: Evidence for Solar Wind Acceleration?. Solar Physics, 1997, 175, 457-465.	2.5	48
29	The Solar Orbiter Heliospheric Imager (SoloHI). Astronomy and Astrophysics, 2020, 642, A13.	5.1	48
30	Two Years of the STEREO Heliospheric Imagers. Solar Physics, 2009, 256, 219-237.	2.5	47
31	Active Regions Observed in Extreme Ultraviolet Light by the Coronal Diagnostic Spectrometer on Soho. Solar Physics, 1997, 175, 487-509.	2.5	46
32	The radial width of a Coronal Mass Ejection between 0.1 and 0.4 AU estimated from the Heliospheric Imager on STEREO. Annales Geophysicae, 2009, 27, 4349-4358.	1.6	44
33	Development of Space Weather Reasonable Worstâ€Case Scenarios for the UK National Risk Assessment. Space Weather, 2021, 19, e2020SW002593.	3.7	41
34	In situ multi-spacecraft and remote imaging observations of the first CME detected by Solar Orbiter and BepiColombo. Astronomy and Astrophysics, 2021, 656, A2.	5.1	40
35	CMEs in the Heliosphere: I. A Statistical Analysis of the Observational Properties of CMEs Detected in the Heliosphere from 2007 to 2017 by STEREO/HI-1. Solar Physics, 2018, 293, 1.	2.5	36
36	Coronal magnetic storms: A new perspective on flares and the ?solar flare myth? debate. Solar Physics, 1996, 166, 441-444.	2.5	35

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37	On the Coronal Mass Ejection onset and Coronal Dimming. Solar Physics, 2004, 219, 315-342.	2.5	31
38	Long-Term Tracking of Corotating Density Structures Using Heliospheric Imaging. Solar Physics, 2016, 291, 1853-1875.	2.5	25
39	CMEs in the Heliosphere: II. A Statistical Analysis of the Kinematic Properties Derived from Single-Spacecraft Geometrical Modelling Techniques Applied to CMEs Detected in the Heliosphere from 2007 to 2017 by STEREO/HI-1. Solar Physics, 2019, 294, 1.	2.5	25
40	Multipoint Interplanetary Coronal Mass Ejections Observed with Solar Orbiter, BepiColombo, Parker Solar Probe, Wind, and STEREO-A. Astrophysical Journal Letters, 2022, 924, L6.	8.3	25
41	The application of heliospheric imaging to space weather operations: Lessons learned from published studies. Space Weather, 2017, 15, 985-1003.	3.7	23
42	Evaluation of CME Arrival Prediction Using Ensemble Modeling Based on Heliospheric Imaging Observations. Space Weather, 2021, 19, e2020SW002553.	3.7	21
43	Euv Spectroscopy of the Sunspot Region Noaa 7981 Using Soho â€“ II. Velocities and Line Profiles. Solar Physics, 1998, 179, 279-312.	2.5	19
44	Title is missing!. Solar Physics, 1998, 181, 23-50.	2.5	17
45	Differences between the CME fronts tracked by an expert, an automated algorithm, and the Solar Stormwatch project. Space Weather, 2015, 13, 709-725.	3.7	14
46	CMEs in the Heliosphere: III. A Statistical Analysis of the Kinematic Properties Derived from Stereoscopic Geometrical Modelling Techniques Applied to CMEs Detected in the Heliosphere from 2008 to 2014 by STEREO/HI-1. Solar Physics, 2020, 295, 1.	2.5	13
47	Euv Spectroscopy of the Sunspot Region Noaa 7981 Using Soho â€“ I. Line Emission and Time Dependence. Solar Physics, 1998, 179, 43-74.	2.5	12
48	USING COORDINATED OBSERVATIONS IN POLARIZED WHITE LIGHT AND FARADAY ROTATION TO PROBE THE SPATIAL POSITION AND MAGNETIC FIELD OF AN INTERPLANETARY SHEATH. Astrophysical Journal, 2013, 777, 32.	4.5	10
49	Transient Structures and Stream Interaction Regions inÂthe Solar Wind: Results from EISCAT Interplanetary Scintillation, STEREO HI and Venus Express ASPERA-4 Measurements. Solar Physics, 2010, 265, 207-231.	2.5	8
50	A journey of exploration to the polar regions of a star: probing the solar poles and the heliosphere from high helio-latitude. Experimental Astronomy, 2022, 54, 157-183.	3.7	8
51	Prospective Out-of-ecliptic White-light Imaging of Interplanetary Corotating Interaction Regions at Solar Maximum. Astrophysical Journal, 2017, 844, 76.	4.5	7
52	Prospective White-light Imaging and In Situ Measurements of Quiescent Large-scale Solar-wind Streams from the Parker Solar Probe and Solar Orbiter. Astrophysical Journal, 2018, 868, 137.	4.5	7
53	On the potential of interplanetary scintillation for predicting geomagnetic activity. Geophysical Research Letters, 1994, 21, 637-640.	4.0	6
54	2007: International Heliophysical Year. Astronomy and Geophysics, 0, 46, 3.27-3.30.	0.2	5

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55	Prospective Out-of-ecliptic White-light Imaging of Coronal Mass Ejections Traveling through the Corona and Heliosphere. Astrophysical Journal, 2018, 852, 111.	4.5	5
56	Pre-CME Onset Fuses â€“ Do the STEREO Heliospheric Imagers Hold the Clues to the CME Onset Process?. Solar Physics, 2009, 259, 277-296.	2.5	4
57	Observations and Modelling of the Inner Heliosphere: Preface and Tribute to the Late Dr. Andy Breen. Solar Physics, 2013, 285, 1-7.	2.5	3
58	Demonstrating the power of heliospheric imaging for space weather: tracking solar ejecta from Sun to Earth. Weather, 2014, 69, 246-249.	0.7	3
59	Venus's induced magnetosphere during active solar wind conditions at BepiColombo's Venus 1 flyby. Annales Geophysicae, 2021, 39, 811-831.	1.6	3
60	Predicting CMEs Using ELEvoHI With STEREOâ€HI Beacon Data. Space Weather, 2021, 19, e2021SW002873.	3.7	3
61	Comparing the Heliospheric Cataloging, Analysis, and Techniques Service (HELCATS) Manual and Automatic Catalogues of Coronal Mass Ejections Using Solar Terrestrial Relations Observatory/Heliospheric Imager (STEREO/HI) Data. Solar Physics, 2022, 297, 1.	2.5	3
62	The magnetic Sun. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2008, 366, 1735-1748.	3.4	2
63	Observations of Rapid Velocity Variations in the Slow Solar Wind. Solar Physics, 2013, 285, 111-126.	2.5	2
64	Coronal mass ejection: key issues. Proceedings of the International Astronomical Union, 2008, 4, 191-200.	0.0	0
65	From heliophysics to space weather forecasts. Astronomy and Geophysics, 2019, 60, 5.26-5.30.	0.2	0