

Richard A Harrison

List of Publications by Year in descending order

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65
papers

5,145
citations

109321

35
h-index

118850

62
g-index

65
all docs

65
docs citations

65
times ranked

1953
citing authors

#	ARTICLE	IF	CITATIONS
1	A journey of exploration to the polar regions of a star: probing the solar poles and the heliosphere from high helio-latitude. <i>Experimental Astronomy</i> , 2022, 54, 157-183.	3.7	8
2	Multipoint Interplanetary Coronal Mass Ejections Observed with Solar Orbiter, BepiColombo, Parker Solar Probe, Wind, and STEREO-A. <i>Astrophysical Journal Letters</i> , 2022, 924, L6.	8.3	25
3	Comparing the Heliospheric Cataloging, Analysis, and Techniques Service (HELCASTS) Manual and Automatic Catalogues of Coronal Mass Ejections Using Solar Terrestrial Relations Observatory/Heliospheric Imager (STEREO/HI) Data. <i>Solar Physics</i> , 2022, 297, 1.	2.5	3
4	Evaluation of CME Arrival Prediction Using Ensemble Modeling Based on Heliospheric Imaging Observations. <i>Space Weather</i> , 2021, 19, e2020SW002553.	3.7	21
5	In situ multi-spacecraft and remote imaging observations of the first CME detected by Solar Orbiter and BepiColombo. <i>Astronomy and Astrophysics</i> , 2021, 656, A2.	5.1	40
6	Development of Space Weather Reasonable Worst-Case Scenarios for the UK National Risk Assessment. <i>Space Weather</i> , 2021, 19, e2020SW002593.	3.7	41
7	Venus's induced magnetosphere during active solar wind conditions at BepiColombo's Venus 1 flyby. <i>Annales Geophysicae</i> , 2021, 39, 811-831.	1.6	3
8	Predicting CMEs Using ELEvoHI With STEREO-HI Beacon Data. <i>Space Weather</i> , 2021, 19, e2021SW002873.	3.7	3
9	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. <i>Solar Physics</i> , 2020, 295, 1.	2.5	13
10	The Solar Orbiter Heliospheric Imager (SoloHI). <i>Astronomy and Astrophysics</i> , 2020, 642, A13.	5.1	48
11	From heliophysics to space weather forecasts. <i>Astronomy and Geophysics</i> , 2019, 60, 5.26-5.30.	0.2	0
12	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. <i>Solar Physics</i> , 2019, 294, 1.	2.5	25
13	Prospective Out-of-ecliptic White-light Imaging of Coronal Mass Ejections Traveling through the Corona and Heliosphere. <i>Astrophysical Journal</i> , 2018, 852, 111.	4.5	5
14	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. <i>Solar Physics</i> , 2018, 293, 1.	2.5	36
15	Prospective White-light Imaging and In Situ Measurements of Quiescent Large-scale Solar-wind Streams from the <i>Parker Solar Probe</i> and <i>Solar Orbiter</i>. <i>Astrophysical Journal</i> , 2018, 868, 137.	4.5	7
16	Coronal Magnetic Structure of Earthbound CMEs and In Situ Comparison. <i>Space Weather</i> , 2018, 16, 442-460.	3.7	51
17	Prospective Out-of-ecliptic White-light Imaging of Interplanetary Corotating Interaction Regions at Solar Maximum. <i>Astrophysical Journal</i> , 2017, 844, 76.	4.5	7
18	The application of heliospheric imaging to space weather operations: Lessons learned from published studies. <i>Space Weather</i> , 2017, 15, 985-1003.	3.7	23

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19	Modeling observations of solar coronal mass ejections with heliospheric imagers verified with the Heliophysics System Observatory. <i>Space Weather</i> , 2017, 15, 955-970.	3.7	65
20	Long-Term Tracking of Corotating Density Structures Using Heliospheric Imaging. <i>Solar Physics</i> , 2016, 291, 1853-1875.	2.5	25
21	E _{Evo} HI: A NOVEL CME PREDICTION TOOL FOR HELIOSPHERIC IMAGING COMBINING AN ELLIPTICAL FRONT WITH DRAG-BASED MODEL FITTING. <i>Astrophysical Journal</i> , 2016, 824, 131.	4.5	63
22	Differences between the CME fronts tracked by an expert, an automated algorithm, and the Solar Stormwatch project. <i>Space Weather</i> , 2015, 13, 709-725.	3.7	14
23	CONNECTING SPEEDS, DIRECTIONS AND ARRIVAL TIMES OF 22 CORONAL MASS EJECTIONS FROM THE SUN TO 1 AU. <i>Astrophysical Journal</i> , 2014, 787, 119.	4.5	145
24	Demonstrating the power of heliospheric imaging for space weather: tracking solar ejecta from Sun to Earth. <i>Weather</i> , 2014, 69, 246-249.	0.7	3
25	Observations and Modelling of the Inner Heliosphere: Preface and Tribute to the Late Dr. Andy Breen. <i>Solar Physics</i> , 2013, 285, 1-7.	2.5	3
26	Observations of Rapid Velocity Variations in the Slow Solar Wind. <i>Solar Physics</i> , 2013, 285, 111-126.	2.5	2
27	Stealth Coronal Mass Ejections: A Perspective. <i>Solar Physics</i> , 2013, 285, 269-280.	2.5	60
28	USING COORDINATED OBSERVATIONS IN POLARIZED WHITE LIGHT AND FARADAY ROTATION TO PROBE THE SPATIAL POSITION AND MAGNETIC FIELD OF AN INTERPLANETARY SHEATH. <i>Astrophysical Journal</i> , 2013, 777, 32.	4.5	10
29	ESTABLISHING A STEREOSCOPIC TECHNIQUE FOR DETERMINING THE KINEMATIC PROPERTIES OF SOLAR WIND TRANSIENTS BASED ON A GENERALIZED SELF-SIMILARLY EXPANDING CIRCULAR GEOMETRY. <i>Astrophysical Journal</i> , 2013, 777, 167.	4.5	88
30	AN ANALYSIS OF THE ORIGIN AND PROPAGATION OF THE MULTIPLE CORONAL MASS EJECTIONS OF 2010 AUGUST 1. <i>Astrophysical Journal</i> , 2012, 750, 45.	4.5	82
31	MULTI-POINT SHOCK AND FLUX ROPE ANALYSIS OF MULTIPLE INTERPLANETARY CORONAL MASS EJECTIONS AROUND 2010 AUGUST 1 IN THE INNER HELIOSPHERE. <i>Astrophysical Journal</i> , 2012, 758, 10.	4.5	109
32	A SELF-SIMILAR EXPANSION MODEL FOR USE IN SOLAR WIND TRANSIENT PROPAGATION STUDIES. <i>Astrophysical Journal</i> , 2012, 750, 23.	4.5	120
33	ARRIVAL TIME CALCULATION FOR INTERPLANETARY CORONAL MASS EJECTIONS WITH CIRCULAR FRONTS AND APPLICATION TO STEREO OBSERVATIONS OF THE 2009 FEBRUARY 13 ERUPTION. <i>Astrophysical Journal</i> , 2011, 741, 34.	4.5	51
34	Transient Structures and Stream Interaction Regions in the Solar Wind: Results from EISCAT Interplanetary Scintillation, STEREO HI and Venus Express ASPERA-4 Measurements. <i>Solar Physics</i> , 2010, 265, 207-231.	2.5	8
35	Intermittent release of transients in the slow solar wind: 1. Remote sensing observations. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	80
36	Intermittent release of transients in the slow solar wind: 2. In situ evidence. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	52

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37	The Heliospheric Imagers Onboard the STEREO Mission. <i>Solar Physics</i> , 2009, 254, 387-445.	2.5	312
38	A Multispacecraft Analysis of a Small-Scale Transient Entrained by Solar Wind Streams. <i>Solar Physics</i> , 2009, 256, 307-326.	2.5	93
39	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.	2.5	58
40	Two Years of the STEREO Heliospheric Imagers. <i>Solar Physics</i> , 2009, 256, 219-237.	2.5	47
41	Pre-CME Onset Fuses – Do the STEREO Heliospheric Imagers Hold the Clues to the CME Onset Process?. <i>Solar Physics</i> , 2009, 259, 277-296.	2.5	4
42	Stereoscopic imaging of an Earth-impacting solar coronal mass ejection: A major milestone for the STEREO mission. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	110
43	A synoptic view of solar transient evolution in the inner heliosphere using the Heliospheric Imagers on STEREO. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	164
44	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, .	3.3	65
45	The radial width of a Coronal Mass Ejection between 0.1 and 0.4 AU estimated from the Heliospheric Imager on STEREO. <i>Annales Geophysicae</i> , 2009, 27, 4349-4358.	1.6	44
46	First Imaging of Coronal Mass Ejections in the Heliosphere Viewed from Outside the Sun-Earth Line. <i>Solar Physics</i> , 2008, 247, 171-193.	2.5	92
47	Sun Earth Connection Coronal and Heliospheric Investigation (SECCHI). <i>Space Science Reviews</i> , 2008, 136, 67.	8.1	1,422
48	Heliospheric Images of the Solar Wind at Earth. <i>Astrophysical Journal</i> , 2008, 675, 853-862.	4.5	127
49	First imaging of corotating interaction regions using the STEREO spacecraft. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	165
50	Coronal mass ejection: key issues. <i>Proceedings of the International Astronomical Union</i> , 2008, 4, 191-200.	0.0	0
51	The magnetic Sun. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2008, 366, 1735-1748.	3.4	2
52	SECCHI Observations of the Sun's Garden-Hose Density Spiral. <i>Astrophysical Journal</i> , 2008, 674, L109-L112.	4.5	61
53	On the Coronal Mass Ejection onset and Coronal Dimming. <i>Solar Physics</i> , 2004, 219, 315-342.	2.5	31
54	Euv Spectroscopy of the Sunspot Region NOAA 7981 Using Soho I. Line Emission and Time Dependence. <i>Solar Physics</i> , 1998, 179, 43-74.	2.5	12

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55	Euv Spectroscopy of the Sunspot Region Noaa 7981 Using Soho " II. Velocities and Line Profiles. Solar Physics, 1998, 179, 279-312.	2.5	19
56	Title is missing!. Solar Physics, 1998, 181, 23-50.	2.5	17
57	Active Regions Observed in Extreme Ultraviolet Light by the Coronal Diagnostic Spectrometer on Soho. Solar Physics, 1997, 175, 487-509.	2.5	46
58	Title is missing!. Solar Physics, 1997, 175, 511-521.	2.5	76
59	Euv Blinkers: The Significance of Variations in the Extreme Ultraviolet Quiet Sun. Solar Physics, 1997, 175, 467-485.	2.5	140
60	Euv Observations of a Macrospicule: Evidence for Solar Wind Acceleration?. Solar Physics, 1997, 175, 457-465.	2.5	48
61	Coronal magnetic storms: A new perspective on flares and the "solar flare myth" debate. Solar Physics, 1996, 166, 441-444.	2.5	35
62	The Coronal Diagnostic Spectrometer for the solar and heliospheric observatory. Solar Physics, 1995, 162, 233-290.	2.5	502
63	On the potential of interplanetary scintillation for predicting geomagnetic activity. Geophysical Research Letters, 1994, 21, 637-640.	4.0	6
64	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
65	2007: International Heliophysical Year. Astronomy and Geophysics, 0, 46, 3.27-3.30.	0.2	5