

Robert J Leamon

List of Publications by Year in descending order

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47
papers

3,024
citations

279798

23
h-index

223800

46
g-index

49
all docs

49
docs citations

49
times ranked

1624
citing authors

#	ARTICLE	IF	CITATIONS
1	Observational constraints on the dynamics of the interplanetary magnetic field dissipation range. <i>Journal of Geophysical Research</i> , 1998, 103, 4775-4787.	3.3	658
2	Dissipation range dynamics: Kinetic Alfvén waves and the importance of \hat{v}_e . <i>Journal of Geophysical Research</i> , 1999, 104, 22331-22344.	3.3	308
3	Dependence of the Dissipation Range Spectrum of Interplanetary Magnetic Fluctuation on the Rate of Energy Cascade. <i>Astrophysical Journal</i> , 2006, 645, L85-L88.	4.5	289
4	MHD-driven Kinetic Dissipation in the Solar Wind and Corona. <i>Astrophysical Journal</i> , 2000, 537, 1054-1062.	4.5	224
5	Evaluation of the turbulent energy cascade rates from the upper inertial range in the solar wind at 1 AU. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	149
6	Contribution of Cyclotron-resonant Damping to Kinetic Dissipation of Interplanetary Turbulence. <i>Astrophysical Journal</i> , 1998, 507, L181-L184.	4.5	144
7	Anisotropies and helicities in the solar wind inertial and dissipation ranges at 1 AU. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	97
8	The solar magnetic activity band interaction and instabilities that shape quasi-periodic variability. <i>Nature Communications</i> , 2015, 6, 6491.	12.8	97
9	DECIPHERING SOLAR MAGNETIC ACTIVITY. I. ON THE RELATIONSHIP BETWEEN THE SUNSPOT CYCLE AND THE EVOLUTION OF SMALL MAGNETIC FEATURES. <i>Astrophysical Journal</i> , 2014, 792, 12.	4.5	80
10	The detection of Rossby-like waves on the Sun. <i>Nature Astronomy</i> , 2017, 1, .	10.1	71
11	Helicity of magnetic clouds and their associated active regions. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	67
12	STEREO observations of quasi-periodically driven high velocity outflows in polar plumes. <i>Astronomy and Astrophysics</i> , 2010, 510, L2.	5.1	67
13	Coronal Holes and Open Magnetic Flux over Cycles 23 and 24. <i>Solar Physics</i> , 2017, 292, 18.	2.5	62
14	Properties of magnetic clouds and geomagnetic storms associated with eruption of coronal sigmoids. <i>Journal of Geophysical Research</i> , 2002, 107, SSH 1-1.	3.3	59
15	HEMISPHERIC ASYMMETRIES OF SOLAR PHOTOSPHERIC MAGNETISM: RADIATIVE, PARTICULATE, AND HELIOSPHERIC IMPACTS. <i>Astrophysical Journal</i> , 2013, 765, 146.	4.5	59
16	Overlapping Magnetic Activity Cycles and the Sunspot Number: Forecasting Sunspot Cycle 25 Amplitude. <i>Solar Physics</i> , 2020, 295, 1.	2.5	55
17	The Whole Heliosphere Interval in the Context of a Long and Structured Solar Minimum: An Overview from Sun to Earth. <i>Solar Physics</i> , 2011, 274, 5-27.	2.5	53
18	Characteristics of magnetic fluctuations within coronal mass ejections: The January 1997 event. <i>Geophysical Research Letters</i> , 1998, 25, 2505-2508.	4.0	46

#	ARTICLE	IF	CITATIONS
19	The Posteruptive Evolution of a Coronal Dimming. <i>Astrophysical Journal</i> , 2007, 660, 1653-1659.	4.5	35
20	What the Sudden Death of Solar Cycles Can Tell Us About the Nature of the Solar Interior. <i>Solar Physics</i> , 2019, 294, 1.	2.5	35
21	IDENTIFYING POTENTIAL MARKERS OF THE SUN'S GIANT CONVECTIVE SCALE. <i>Astrophysical Journal Letters</i> , 2014, 784, L32.	8.3	31
22	Quantifying the Solar Cycle Modulation of Extreme Space Weather. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087795.	4.0	27
23	A Snapshot of the Sun Near Solar Minimum: The Whole Heliosphere Interval. <i>Solar Physics</i> , 2011, 274, 29-56.	2.5	25
24	THE SPECTROSCOPIC FOOTPRINT OF THE FAST SOLAR WIND. <i>Astrophysical Journal</i> , 2011, 727, 7.	4.5	24
25	Timing Terminators: Forecasting Sunspot Cycle 25 Onset. <i>Solar Physics</i> , 2020, 295, 1.	2.5	22
26	SOLAR CYCLE VARIATIONS IN THE ELEMENTAL ABUNDANCE OF HELIUM AND FRACTIONATION OF IRON IN THE FAST SOLAR WIND: INDICATORS OF AN EVOLVING ENERGETIC RELEASE OF MASS FROM THE LOWER SOLAR ATMOSPHERE. <i>Astrophysical Journal Letters</i> , 2011, 740, L23.	8.3	21
27	ON MAGNETIC ACTIVITY BAND OVERLAP, INTERACTION, AND THE FORMATION OF COMPLEX SOLAR ACTIVE REGIONS. <i>Astrophysical Journal Letters</i> , 2014, 796, L19.	8.3	20
28	The Longitudinal Evolution of Equatorial Coronal Holes. <i>Astronomical Journal</i> , 2018, 155, 153.	4.7	20
29	Solar Wind Turbulence from 1 to 45 au. III. Anisotropy of Magnetic Fluctuations in the Inertial Range Using Voyager and ACE Observations. <i>Astrophysical Journal</i> , 2020, 900, 93.	4.5	20
30	Coronal electron temperature in the protracted solar minimum, the cycle 24 mini maximum, and over centuries. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 1486-1492.	2.4	19
31	Solar Wind Turbulence from 1 to 45 au. I. Evidence for Dissipation of Magnetic Fluctuations Using Voyager and ACE Observations. <i>Astrophysical Journal</i> , 2020, 900, 91.	4.5	18
32	HOW THE SOLAR WIND TIES TO ITS PHOTOSPHERIC ORIGINS. <i>Astrophysical Journal</i> , 2009, 697, L28-L32.	4.5	14
33	Solar Wind Turbulence from 1 to 45 au. II. Analysis of Inertial-range Fluctuations Using Voyager and ACE Observations. <i>Astrophysical Journal</i> , 2020, 900, 92.	4.5	14
34	The Impact of New EUV Diagnostics on CME-Related Kinematics. <i>Solar Physics</i> , 2010, 265, 5-17.	2.5	13
35	Deciphering Solar Magnetic Activity: Spotting Solar Cycle 25. <i>Frontiers in Astronomy and Space Sciences</i> , 2017, 4, .	2.8	13
36	Deciphering Solar Magnetic Activity: The Solar Cycle Clock. <i>Frontiers in Astronomy and Space Sciences</i> , 2022, 9, .	2.8	12

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37	Termination of Solar Cycles and Correlated Tropospheric Variability. Earth and Space Science, 2021, 8, e2020EA001223.	2.6	11
38	Solar Wind Helium Abundance Heralds Solar Cycle Onset. Solar Physics, 2021, 296, 1.	2.5	10
39	Deciphering Solar Magnetic Activity: 140 Years of the "Extended Solar Cycle" " Mapping the Hale Cycle. Solar Physics, 2021, 296, 1.	2.5	9
40	Response to "Limitations in the Hilbert Transform Approach to Locating Solar Cycle Terminators" by R. Booth. Solar Physics, 2021, 296, 1.	2.5	6
41	The Extended Solar Cycle: Muddying the Waters of Solar/Stellar Dynamo Modeling or Providing Crucial Observational Constraints?. Frontiers in Astronomy and Space Sciences, 2018, 5, .	2.8	5
42	Turbulence spectrum of interplanetary magnetic fluctuations and the rate of energy cascade. AIP Conference Proceedings, 2007, , .	0.4	4
43	Deciphering solar magnetic activity: on grand minima in solar activity. Frontiers in Astronomy and Space Sciences, 2015, 2, .	2.8	4
44	Advanced Composition Explorer Observations of Turbulence from 1998 through 2002: Data Intervals. Astrophysical Journal, Supplement Series, 2020, 250, 15.	7.7	4
45	The Sun's Magnetic (Hale) Cycle and 27 Day Recurrences in the aa Geomagnetic Index. Astrophysical Journal, 2021, 917, 54.	4.5	2
46	The Heliospheric Meteorology Mission: A Mission to DRIVE our Understanding of Heliospheric Variability. Frontiers in Astronomy and Space Sciences, 2018, 5, .	2.8	1
47	Helicity of Magnetic Clouds and Their Associated Active Regions. Highlights of Astronomy, 2005, 13, 132-132.	0.0	0