Robert J Leamon

List of Publications by Year
in descending order

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	Deciphering Solar Magnetic Activity: The Solar Cycle Clock. Frontiers in Astronomy and Space Sciences, 2022, 9, .	2.8	12
2	Solar Wind Helium Abundance Heralds Solar Cycle Onset. Solar Physics, 2021, 296, 1.	2.5	10
3	Termination of Solar Cycles and Correlated Tropospheric Variability. Earth and Space Science, 2021, 8, e2020EA001223.	2.6	11
4	The Sunâ€™s Magnetic (Hale) Cycle and 27 Day Recurrences in the aa Geomagnetic Index. Astrophysical Journal, 2021, 917, 54.	4.5	2
5	Response to â€œLimitations in the Hilbert Transform Approach to Locating Solar Cycle Terminatorsâ€•by R. Booth. Solar Physics, 2021, 296, 1.	2.5	6
6	Deciphering Solar Magnetic Activity: 140 Years of the â€˜Extended Solar Cycleâ€™ â€“ Mapping the Hale Cycle. Solar Physics, 2021, 296, 1.	2.5	9
7	Overlapping Magnetic Activity Cycles and the Sunspot Number: Forecasting Sunspot Cycle 25 Amplitude. Solar Physics, 2020, 295, 1.	2.5	55
8	Quantifying the Solar Cycle Modulation of Extreme Space Weather. Geophysical Research Letters, 2020, 47, e2020GL087795.	4.0	27
9	Timing Terminators: Forecasting Sunspot Cycle 25 Onset. Solar Physics, 2020, 295, 1.	2.5	22
10	Solar Wind Turbulence from 1 to 45 au. II. Analysis of Inertial-range Fluctuations Using Voyager and ACE Observations. Astrophysical Journal, 2020, 900, 92.	4.5	14
11	Solar Wind Turbulence from 1 to 45 au. I. Evidence for Dissipation of Magnetic Fluctuations Using Voyager and ACE Observations. Astrophysical Journal, 2020, 900, 91.	4.5	18
12	Solar Wind Turbulence from 1 to 45 au. III. Anisotropy of Magnetic Fluctuations in the Inertial Range Using Voyager and ACE Observations. Astrophysical Journal, 2020, 900, 93.	4.5	20
13	Advanced Composition Explorer Observations of Turbulence from 1998 through 2002: Data Intervals. Astrophysical Journal, Supplement Series, 2020, 250, 15.	7.7	4
14	What the Sudden Death of Solar Cycles Can Tell Us About the Nature of the Solar Interior. Solar Physics, 2019, 294, 1.	2.5	35
15	The Longitudinal Evolution of Equatorial Coronal Holes. Astronomical Journal, 2018, 155, 153.	4.7	20
16	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
17	The Heliospheric Meteorology Mission: A Mission to DRIVE our Understanding of Heliospheric Variability. Frontiers in Astronomy and Space Sciences, 2018, 5, .	2.8	1
18	The detection of Rossby-like waves on the Sun. Nature Astronomy, 2017, 1, .	10.1	71

#	Article	IF	Citations
19	Coronal Holes and Open Magnetic Flux over Cycles 23 and 24. Solar Physics, 2017, 292, 18.	2.5	62
20	Deciphering Solar Magnetic Activity: Spotting Solar Cycle 25. Frontiers in Astronomy and Space Sciences, 2017, 4, .	2.8	13
21	Deciphering solar magnetic activity: on grand minima in solar activity. Frontiers in Astronomy and Space Sciences, 2015, 2, .	2.8	4
22	The solar magnetic activity band interaction and instabilities that shape quasi-periodic variability. Nature Communications, 2015, 6, 6491.	12.8	97
23	ON MAGNETIC ACTIVITY BAND OVERLAP, INTERACTION, AND THE FORMATION OF COMPLEX SOLAR ACTIVE REGIONS. Astrophysical Journal Letters, 2014, 796, L19.	8.3	20
24	IDENTIFYING POTENTIAL MARKERS OF THE SUN'S GIANT CONVECTIVE SCALE. Astrophysical Journal Letters, 2014, 784, L32.	8.3	31
25	Coronal electron temperature in the protracted solar minimum, the cycle 24 mini maximum, and over centuries. Journal of Geophysical Research: Space Physics, 2014, 119, 1486-1492.	2.4	19
26	DECIPHERING SOLAR MAGNETIC ACTIVITY. I. ON THE RELATIONSHIP BETWEEN THE SUNSPOT CYCLE AND THE EVOLUTION OF SMALL MAGNETIC FEATURES. Astrophysical Journal, 2014, 792, 12.	4.5	80
27	HEMISPHERIC ASYMMETRIES OF SOLAR PHOTOSPHERIC MAGNETISM: RADIATIVE, PARTICULATE, AND HELIOSPHERIC IMPACTS. Astrophysical Journal, 2013, 765, 146.	4.5	59
28	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. Astrophysical Journal Letters, 2011, 740, L23.	8.3	21
29	THE SPECTROSCOPIC FOOTPRINT OF THE FAST SOLAR WIND. Astrophysical Journal, 2011, 727, 7.	4.5	24
30	A Snapshot of the Sun Near Solar Minimum: The Whole Heliosphere Interval. Solar Physics, 2011, 274, 29-56.	2.5	25
31	The Whole Heliosphere Interval in the Context of a Long and Structured Solar Minimum: An Overview from Sun to Earth. Solar Physics, 2011, 274, 5-27.	2.5	53
32	The Impact of New EUV Diagnostics on CME-Related Kinematics. Solar Physics, 2010, 265, 5-17.	2.5	13
33	STEREO observations of quasi-periodically driven high velocity outflows in polar plumes. Astronomy and Astrophysics, 2010, 510, L2.	5.1	67
34	HOW THE SOLAR WIND TIES TO ITS PHOTOSPHERIC ORIGINS. Astrophysical Journal, 2009, 697, L28-L32.	4.5	14
35	Anisotropies and helicities in the solar wind inertial and dissipation ranges at 1 AU. Journal of Geophysical Research, 2008, 113, .	3.3	97
36	Turbulence spectrum of interplanetary magnetic fluctuations and the rate of energy cascade. AIP Conference Proceedings, 2007, , .	0.4	4

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37	The Posteruptive Evolution of a Coronal Dimming. Astrophysical Journal, 2007, 660, 1653-1659.	4.5	35
38	Evaluation of the turbulent energy cascade rates from the upper inertial range in the solar wind at 1 AU. Journal of Geophysical Research, 2007, 112, .	3.3	149
39	Dependence of the Dissipation Range Spectrum of Interplanetary Magnetic Fluctuationson the Rate of Energy Cascade. Astrophysical Journal, 2006, 645, L85-L88.	4.5	289
40	Helicity of Magnetic Clouds and Their Associated Active Regions. Highlights of Astronomy, 2005, 13, 132-132.	0.0	0
41	Helicity of magnetic clouds and their associated active regions. Journal of Geophysical Research, 2004, 109, .	3.3	67
42	Properties of magnetic clouds and geomagnetic storms associated with eruption of coronal sigmoids. Journal of Geophysical Research, 2002, 107, SSH 1-1.	3.3	59
43	MHDâ€driven Kinetic Dissipation in the Solar Wind and Corona. Astrophysical Journal, 2000, 537, 1054-1062.	4.5	224
44	Dissipation range dynamics: Kinetic AlfvÃ©n waves and the importance of Î²e. Journal of Geophysical Research, 1999, 104, 22331-22344.	3.3	308
45	Observational constraints on the dynamics of the interplanetary magnetic field dissipation range. Journal of Geophysical Research, 1998, 103, 4775-4787.	3.3	658
46	Characteristics of magnetic fluctuations within coronal mass ejections: The January 1997 event. Geophysical Research Letters, 1998, 25, 2505-2508.	4.0	46
47	Contribution of Cyclotron-resonant Damping to Kinetic Dissipation of Interplanetary Turbulence. Astrophysical Journal, 1998, 507, L181-L184.	4.5	144