Prasad Subramanian

List of Publications by Year
in descending order

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		759233	752698
29	428	12	20
papers	citations	h-index	g-index

29	29	29	467
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Formation of Relativistic Outflows in Shearing Black Hole Accretion Coronae. Astrophysical Journal, 1999, 523, 203-222.	4.5	44
2	CME PROPAGATION: WHERE DOES AERODYNAMIC DRAG â€œTAKE OVERâ€?. Astrophysical Journal, 2015, 809, 158.	4.5	41
3	CME Dynamics Using STEREO and LASCO Observations: The Relative Importance of Lorentz Forces and Solar Wind Drag. Solar Physics, 2017, 292, 1.	2.5	40
4	Can solar wind viscous drag account for coronal mass ejection deceleration?. Geophysical Research Letters, 2012, 39, .	4.0	39
5	SELF-SIMILAR EXPANSION OF SOLAR CORONAL MASS EJECTIONS: IMPLICATIONS FOR LORENTZ SELF-FORCE DRIVING. Astrophysical Journal, 2014, 790, 125.	4.5	35
6	RELATIVE CONTRIBUTION OF THE MAGNETIC FIELD BARRIER AND SOLAR WIND SPEED IN ICME-ASSOCIATED FORBUSH DECREASES. Astrophysical Journal, 2016, 828, 104.	4.5	24
7	Constraints on coronal turbulence models from source sizes of noise storms at 327 MHz. Journal of Geophysical Research, 2011, 116, .	3.3	16
8	Small electron acceleration episodes in the solar corona. Monthly Notices of the Royal Astronomical Society, 2017, 471, 89-99.	4.4	15
9	Amplitude of solar wind density turbulence from 10 to 45 R_{âŠ™}. Journal of Geophysical Research: Space Physics, 2016, 121, 11,605.	2.4	14
10	Giant Meterwave Radio Telescope observations of an M2.8 flare: Insights into the initiation of a flareâ€“coronal mass ejection event. Solar Physics, 2003, 218, 247-259.	2.5	13
11	Automated Detection of Solar Radio Bursts Using a Statistical Method. Solar Physics, 2019, 294, 1.	2.5	13
12	Global Solar Magnetic Field and Interplanetary Scintillations During the Past Four Solar Cycles. Solar Physics, 2019, 294, 1.	2.5	13
13	Noise-Storm Continua: Power Estimates for Electron Acceleration. Solar Physics, 2004, 225, 91-103.	2.5	12
14	TeV blazar variability: the firehose instability?. Monthly Notices of the Royal Astronomical Society, 2012, 423, 1707-1710.	4.4	12
15	Ion Viscosity Mediated by Tangled Magnetic Fields: an Application to Black Hole Accretion Disks. Astrophysical Journal, 1996, 469, 784.	4.5	12
16	Relativistic Outflows from Advectionâ€dominated Accretion Disks around Black Holes. Astrophysical Journal, 2001, 552, 209-220.	4.5	11
17	Restrictions on the Physical Prescription for the Viscosity in Advectionâ€dominated Accretion Disks. Astrophysical Journal, 2005, 622, 520-530.	4.5	11
18	Turbulent Density Fluctuations and Proton Heating Rate in the Solar Wind from 9â€“20 R_{âŠ™}. Astrophysical Journal, 2017, 850, 129.	4.5	10

#	Article	IF	Citations
19	Energetics of small electron acceleration episodes in the solar corona from radio noise storm observations. Monthly Notices of the Royal Astronomical Society, 2018, 479, 1603-1611.	4.4	10
20	Turbulent Proton Heating Rate in the Solar Wind from 5â€“45 R _{âŠ™}. Astrophysical Journal, 2021, 914, 137.	4.5	9
21	DRIVING CURRENTS FOR FLUX ROPE CORONAL MASS EJECTIONS. Astrophysical Journal, 2009, 693, 1219-1222.	4.5	8
22	An Evaluation of Possible Mechanisms for Anomalous Resistivity in the Solar Corona. Solar Physics, 2007, 243, 163-169.	2.5	7
23	Dissipation Scale Lengths of Solar Wind Turbulence. Astrophysical Journal, 2019, 872, 77.	4.5	7
24	Episodic Jets from Black Hole Accretion Disks. Astrophysical Journal, 2019, 877, 130.	4.5	5
25	Further Constraints on Electron Acceleration in Solar Noise Storms. Solar Physics, 2006, 237, 185-200.	2.5	4
26	On Modeling ICME Cross-Sections as Static MHD Columns. Solar Physics, 2022, 297, .	2.5	2
27	Energetics of Coronal Mass Ejections. Proceedings of the International Astronomical Union, 2004, 2004, 314-315.	0.0	1
28	CME Dynamics Using STEREO and LASCO Observations: The Relative Importance of Lorentz Forces and Solar Wind Drag. , 2017, , 473-489.		0
29	X-ray Dips in AGN and Microquasars â€“ Collapse Timescales of Inner Accretion Disc. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0