Mahboubeh Asgari-Targhi

List of Publications by Year
in descending order

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29	1,009	623734	580821
papers	citations	14 h-index	25 g-index

29	29	29	802
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Study of an Equatorial Coronal Hole Observed at the First Parker Solar Probe Perihelion. Astrophysical Journal, 2022, 925, 62.	4.5	0
2	Probing the Physics of the Solar Atmosphere with the Multi-slit Solar Explorer (MUSE). I. Coronal Heating. Astrophysical Journal, 2022, 926, 52.	4.5	25
3	Physical Characteristics of Unstructured Coronal Clouds. Astrophysical Journal, 2021, 910, 113.	4.5	3
4	Effects of Density Fluctuations on AlfvÃ©n Wave Turbulence in a Coronal Hole. Astrophysical Journal, 2021, 911, 63.	4.5	10
5	Î»21-cm Interstellar HI Profiles, Critical Ionization Velocities, and Derived Electron Densities. IEEE Transactions on Plasma Science, 2021, 49, 1669-1678.	1.3	2
6	The Strength and Structure of the Magnetic Field in the Galactic Outflow of Messier 82. Astrophysical Journal, 2021, 914, 24.	4.5	21
7	Adriaan van Ballegooijen (1953â€“2021). , 2021, 53, .		0
8	The Role of the Critical Ionization Velocity Effect in Interstellar Space and the Derived Abundance of Helium. IEEE Transactions on Plasma Science, 2020, , 1-6.	1.3	2
9	The Role of Magnetic Field Disturbances in the Heating of Active Region Loops. Journal of Physics: Conference Series, 2020, 1620, 012002.	0.4	0
10	Study of High-temperature Emission in Solar Active Regions. Astrophysical Journal, 2019, 881, 107.	4.5	11
11	Three-dimensional Simulation of the Fast Solar Wind Driven by Compressible Magnetohydrodynamic Turbulence. Astrophysical Journal Letters, 2019, 880, L2.	8.3	57
12	Solar Coronal Structure: Loops, Clouds, or Both?. Research Notes of the AAS, 2019, 3, 4.	0.7	0
13	The Heating of Coronal Loops in Solar Active Regions. Journal of Physics: Conference Series, 2018, 1100, 012027.	0.4	3
14	Interstellar Matters: Neutral Hydrogen and the Galactic Magnetic Field. Astrophysical Journal, 2018, 867, 139.	4.5	5
15	Gravitational steady states of solar coronal loops. Physics of Plasmas, 2017, 24, .	1.9	1
16	The Heating of Solar Coronal Loops by AlfvÃ©n Wave Turbulence. Astrophysical Journal, 2017, 849, 46.	4.5	43
17	DIRECT AND INVERSE CASCADES IN THE ACCELERATION REGION OF THE FAST SOLAR WIND. Astrophysical Journal, 2017, 835, 10.	4.5	42
18	HEATING AND ACCELERATION OF THE FAST SOLAR WIND BY ALFVÃ‰N WAVE TURBULENCE. Astrophysical Journal, 2016, 821, 106.	4.5	71

#	Article	IF	Citations
19	Self-organized braiding in solar coronal loops. Journal of Plasma Physics, 2015, 81, .	2.1	7
20	MODELING OF HOT PLASMA IN THE SOLAR ACTIVE REGION CORE. Astrophysical Journal, 2015, 807, 146.	4.5	6
21	The role of turbulence in coronal heating and solar wind expansion. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20140148.	3.4	77
22	HOT PLASMA FROM SOLAR ACTIVE REGION CORES: A TEST OF AC AND DC CORONAL HEATING MODELS?. Astrophysical Journal, 2015, 806, 232.	4.5	16
23	COMPARISON OF EXTREME ULTRAVIOLET IMAGING SPECTROMETER OBSERVATIONS OF SOLAR CORONAL LOOPS WITH ALFVÃ‰N WAVE TURBULENCE MODELS. Astrophysical Journal, 2014, 786, 28.	4.5	31
24	ON THE RELATIONSHIP BETWEEN PHOTOSPHERIC FOOTPOINT MOTIONS AND CORONAL HEATING IN SOLAR ACTIVE REGIONS. Astrophysical Journal, 2014, 787, 87.	4.5	61
25	THE SPATIAL AND TEMPORAL DEPENDENCE OF CORONAL HEATING BY ALFVÃ‰N WAVE TURBULENCE. Astrophysical Journal, 2013, 773, 111.	4.5	60
26	MODEL FOR ALFVÃ‰N WAVE TURBULENCE IN SOLAR CORONAL LOOPS: HEATING RATE PROFILES AND TEMPERATURE FLUCTUATIONS. Astrophysical Journal, 2012, 746, 81.	4.5	67
27	HEATING OF THE SOLAR CHROMOSPHERE AND CORONA BY ALFVÃ‰N WAVE TURBULENCE. Astrophysical Journal, 2011, 736, 3.	4.5	331
28	SELF-ORGANIZED BRAIDING AND THE STRUCTURE OF CORONAL LOOPS. Astrophysical Journal, 2009, 705, 347-355.	4.5	50
29	Writhe in the stretch-twist-fold dynamo. Geophysical and Astrophysical Fluid Dynamics, 2009, 103, 69-87.	1.2	7