

Mahboubeh Asgari-Targhi

List of Publications by Year in descending order

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29
papers

1,009
citations

623734

14
h-index

580821

25
g-index

29
all docs

29
docs citations

29
times ranked

802
citing authors

#	ARTICLE	IF	CITATIONS
1	HEATING OF THE SOLAR CHROMOSPHERE AND CORONA BY ALFVÉN WAVE TURBULENCE. <i>Astrophysical Journal</i> , 2011, 736, 3.	4.5	331
2	The role of turbulence in coronal heating and solar wind expansion. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015, 373, 20140148.	3.4	77
3	HEATING AND ACCELERATION OF THE FAST SOLAR WIND BY ALFVÉN WAVE TURBULENCE. <i>Astrophysical Journal</i> , 2016, 821, 106.	4.5	71
4	MODEL FOR ALFVÉN WAVE TURBULENCE IN SOLAR CORONAL LOOPS: HEATING RATE PROFILES AND TEMPERATURE FLUCTUATIONS. <i>Astrophysical Journal</i> , 2012, 746, 81.	4.5	67
5	ON THE RELATIONSHIP BETWEEN PHOTOSPHERIC FOOTPOINT MOTIONS AND CORONAL HEATING IN SOLAR ACTIVE REGIONS. <i>Astrophysical Journal</i> , 2014, 787, 87.	4.5	61
6	THE SPATIAL AND TEMPORAL DEPENDENCE OF CORONAL HEATING BY ALFVÉN WAVE TURBULENCE. <i>Astrophysical Journal</i> , 2013, 773, 111.	4.5	60
7	Three-dimensional Simulation of the Fast Solar Wind Driven by Compressible Magnetohydrodynamic Turbulence. <i>Astrophysical Journal Letters</i> , 2019, 880, L2.	8.3	57
8	SELF-ORGANIZED BRAIDING AND THE STRUCTURE OF CORONAL LOOPS. <i>Astrophysical Journal</i> , 2009, 705, 347-355.	4.5	50
9	The Heating of Solar Coronal Loops by Alfvén Wave Turbulence. <i>Astrophysical Journal</i> , 2017, 849, 46.	4.5	43
10	DIRECT AND INVERSE CASCADES IN THE ACCELERATION REGION OF THE FAST SOLAR WIND. <i>Astrophysical Journal</i> , 2017, 835, 10.	4.5	42
11	COMPARISON OF EXTREME ULTRAVIOLET IMAGING SPECTROMETER OBSERVATIONS OF SOLAR CORONAL LOOPS WITH ALFVÉN WAVE TURBULENCE MODELS. <i>Astrophysical Journal</i> , 2014, 786, 28.	4.5	31
12	Probing the Physics of the Solar Atmosphere with the Multi-slit Solar Explorer (MUSE). I. Coronal Heating. <i>Astrophysical Journal</i> , 2022, 926, 52.	4.5	25
13	The Strength and Structure of the Magnetic Field in the Galactic Outflow of Messier 82. <i>Astrophysical Journal</i> , 2021, 914, 24.	4.5	21
14	HOT PLASMA FROM SOLAR ACTIVE REGION CORES: A TEST OF AC AND DC CORONAL HEATING MODELS?. <i>Astrophysical Journal</i> , 2015, 806, 232.	4.5	16
15	Study of High-temperature Emission in Solar Active Regions. <i>Astrophysical Journal</i> , 2019, 881, 107.	4.5	11
16	Effects of Density Fluctuations on Alfvén Wave Turbulence in a Coronal Hole. <i>Astrophysical Journal</i> , 2021, 911, 63.	4.5	10
17	Writhe in the stretch-twist-fold dynamo. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 2009, 103, 69-87.	1.2	7
18	Self-organized braiding in solar coronal loops. <i>Journal of Plasma Physics</i> , 2015, 81, .	2.1	7

#	ARTICLE	IF	CITATIONS
19	MODELING OF HOT PLASMA IN THE SOLAR ACTIVE REGION CORE. <i>Astrophysical Journal</i> , 2015, 807, 146.	4.5	6
20	Interstellar Matters: Neutral Hydrogen and the Galactic Magnetic Field. <i>Astrophysical Journal</i> , 2018, 867, 139.	4.5	5
21	The Heating of Coronal Loops in Solar Active Regions. <i>Journal of Physics: Conference Series</i> , 2018, 1100, 012027.	0.4	3
22	Physical Characteristics of Unstructured Coronal Clouds. <i>Astrophysical Journal</i> , 2021, 910, 113.	4.5	3
23	The Role of the Critical Ionization Velocity Effect in Interstellar Space and the Derived Abundance of Helium. <i>IEEE Transactions on Plasma Science</i> , 2020, , 1-6.	1.3	2
24	21-cm Interstellar HI Profiles, Critical Ionization Velocities, and Derived Electron Densities. <i>IEEE Transactions on Plasma Science</i> , 2021, 49, 1669-1678.	1.3	2
25	Gravitational steady states of solar coronal loops. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	1
26	Adriaan van Ballegooijen (1953–2021). , 2021, 53, .		0
27	Solar Coronal Structure: Loops, Clouds, or Both?. <i>Research Notes of the AAS</i> , 2019, 3, 4.	0.7	0
28	The Role of Magnetic Field Disturbances in the Heating of Active Region Loops. <i>Journal of Physics: Conference Series</i> , 2020, 1620, 012002.	0.4	0
29	A Study of an Equatorial Coronal Hole Observed at the First Parker Solar Probe Perihelion. <i>Astrophysical Journal</i> , 2022, 925, 62.	4.5	0