

Tanmoy Samanta

List of Publications by Year in descending order

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papers

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567281

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26
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all docs

27
docs citations

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times ranked

696
citing authors

#	ARTICLE	IF	CITATIONS
1	Generation of solar spicules and subsequent atmospheric heating. <i>Science</i> , 2019, 366, 890-894.	12.6	102
2	Global maps of the magnetic field in the solar corona. <i>Science</i> , 2020, 369, 694-697.	12.6	92
3	Frequently Occurring Reconnection Jets from Sunspot Light Bridges. <i>Astrophysical Journal</i> , 2018, 854, 92.	4.5	70
4	Magnetic Reconnection at the Earliest Stage of Solar Flux Emergence. <i>Astrophysical Journal</i> , 2018, 854, 174.	4.5	49
5	Kodaikanal digitized white-light data archive (1921â€“2011): Analysis of various solar cycle features. <i>Astronomy and Astrophysics</i> , 2017, 601, A106.	5.1	42
6	Mapping the magnetic field in the solar corona through magnetoseismology. <i>Science China Technological Sciences</i> , 2020, 63, 2357-2368.	4.0	41
7	On the Observations of Rapid Forced Reconnection in the Solar Corona. <i>Astrophysical Journal</i> , 2019, 887, 137.	4.5	29
8	Flame-like Ellerman Bombs and Their Connection to Solar Ultraviolet Bursts. <i>Astrophysical Journal Letters</i> , 2019, 875, L30.	8.3	28
9	PROPAGATING DISTURBANCES IN THE SOLAR CORONA AND SPICULAR CONNECTION. <i>Astrophysical Journal Letters</i> , 2015, 815, L16.	8.3	27
10	Investigating the Transition Region Explosive Events and Their Relationship to Network Jets. <i>Astrophysical Journal</i> , 2019, 873, 79.	4.5	26
11	Diagnosing the Magnetic Field Structure of a Coronal Cavity Observed during the 2017 Total Solar Eclipse. <i>Astrophysical Journal</i> , 2018, 856, 21.	4.5	24
12	Plasma Heating Induced by Tadpole-like Downflows in the Flaring Solar Corona. <i>Innovation(China)</i> , 2021, 2, 100083.	9.1	22
13	Dynamics of Subarcsecond Bright Dots in the Transition Region above Sunspots and Their Relation to Penumbra Micro-jets. <i>Astrophysical Journal Letters</i> , 2017, 835, L19.	8.3	20
14	Two Solar Tornadoes Observed with the Interface Region Imaging Spectrograph. <i>Astrophysical Journal</i> , 2018, 852, 79.	4.5	18
15	Possible Production of Solar Spicules by Microfilament Eruptions. <i>Astrophysical Journal Letters</i> , 2020, 893, L45.	8.3	17
16	Evidence for Vortex Shedding in the Sun's Hot Corona. <i>Physical Review Letters</i> , 2019, 123, 035102.	7.8	16
17	Statistical Investigation of Supersonic Downflows in the Transition Region above Sunspots. <i>Astrophysical Journal</i> , 2018, 859, 158.	4.5	14
18	Solar ultraviolet bursts in a coordinated observation of IRIS, Hinode and SDO. <i>Science China Technological Sciences</i> , 2019, 62, 1555-1564.	4.0	14

#	ARTICLE	IF	CITATIONS
19	QUASI-PERIODIC OSCILLATION OF A CORONAL BRIGHT POINT. <i>Astrophysical Journal</i> , 2015, 806, 172.	4.5	12
20	Penumbral Waves Driving Solar Fan-shaped Chromospheric Jets. <i>Astrophysical Journal Letters</i> , 2018, 855, L19.	8.3	7
21	The transition region above sunspots. <i>Geoscience Letters</i> , 2018, 5, .	3.3	7
22	Propagating disturbances along fan-like coronal loops in an active region. <i>Research in Astronomy and Astrophysics</i> , 2015, 15, 1832-1842.	1.7	6
23	Observations of the solar corona during the total solar eclipse on 21 August 2017. <i>Earth and Planetary Physics</i> , 2017, 1, 68-71.	1.1	5
24	THE EFFECTS OF TRANSIENTS ON PHOTOSPHERIC AND CHROMOSPHERIC POWER DISTRIBUTIONS. <i>Astrophysical Journal</i> , 2016, 828, 23.	4.5	4
25	Possible Evolution of Minifilament-Eruption-Produced Solar Coronal Jets, Jetlets, and Spicules, into Magnetic-Twist-Wave "Switchbacks" Observed by the Parker Solar Probe (PSP). <i>Journal of Physics: Conference Series</i> , 2020, 1620, 012020.	0.4	4
26	Searching for a Solar Source of Magnetic-Field Switchbacks in Parker Solar Probe's First Encounter. <i>Solar Physics</i> , 2022, 297, .	2.5	2
27	Generation of solar spicules and subsequent atmospheric heating. <i>Science China Technological Sciences</i> , 2020, 63, 2467-2468.	4.0	0