Wenda Cao

List of Publications by Year
in descending order

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Version: 2024-02-01

32 papers	1,007 citations	430442 18 h-index	414034 32 g-index
32 all docs	32 docs citations	32 times ranked	774 citing authors

#	Article	IF	Citations
1	Generation of solar spicules and subsequent atmospheric heating. Science, 2019, 366, 890-894.	6.0	102
2	Highâ€Resolution Observations of Multiwavelength Emissions during Two Xâ€Class Whiteâ€Light Flares. Astrophysical Journal, 2006, 641, 1210-1216.	1.6	74
3	High-resolution observations of flare precursors in the low solar atmosphere. Nature Astronomy, 2017, 1, .	4.2	74
4	Unprecedented Fine Structure of a Solar Flare Revealed by the 1.6â€‰m New Solar Telescope. Scientific Reports, 2016, 6, 24319.	1.6	73
5	HIGHEST RESOLUTION OBSERVATIONS OF THE QUIETEST SUN. Astrophysical Journal Letters, 2010, 714, L31-L35.	3.0	72
6	Frequently Occurring Reconnection Jets from Sunspot Light Bridges. Astrophysical Journal, 2018, 854, 92.	1.6	70
7	Fast Imaging Solar Spectrograph of the 1.6 Meter New Solar Telescope at Big Bear Solar Observatory. Solar Physics, 2013, 288, 1-22.	1.0	67
8	Critical Science Plan for the Daniel K. Inouye Solar Telescope (DKIST). Solar Physics, 2021, 296, 1.	1.0	65
9	OBSERVATION OF ULTRAFINE CHANNELS OF SOLAR CORONA HEATING. Astrophysical Journal Letters, 2012, 750, L25.	3.0	64
10	Flare differentially rotates sunspot on Sunâ€™s surface. Nature Communications, 2016, 7, 13104.	5.8	42
11	The 1.6 m off-axis New Solar Telescope (NST) in Big Bear. Proceedings of SPIE, 2012, , .	0.8	40
12	High-resolution Observations of Flares in an Arch Filament System. Astrophysical Journal, 2018, 855, 77.	1.6	24
13	MATERIAL SUPPLY AND MAGNETIC CONFIGURATION OF AN ACTIVE REGION FILAMENT. Astrophysical Journal, 2016, 831, 123.	1.6	23
14	PHOTOSPHERIC SIGNATURES OF GRANULAR-SCALE FLUX EMERGENCE AND CANCELLATION AT THE PENUMBRAL BOUNDARY. Astrophysical Journal, 2011, 740, 82.	1.6	22
15	AO-308: the high-order adaptive optics system at Big Bear Solar Observatory. Proceedings of SPIE, 2014, , .	0.8	22
16	CHARACTERISTIC SIZE OF FLARE KERNELS IN THE VISIBLE AND NEAR-INFRARED CONTINUA. Astrophysical Journal Letters, 2012, 750, L7.	3.0	20
17	Extending Counter-streaming Motion from an Active Region Filament to a Sunspot Light Bridge. Astrophysical Journal Letters, 2018, 852, L18.	3.0	18
18	Signatures of Magnetic Reconnection at the Footpoints of Fan-shaped Jets on a Light Bridge Driven by Photospheric Convective Motions. Astrophysical Journal, 2019, 870, 90.	1.6	18

#	Article	IF	Citations
19	Evolution of Photospheric Vector Magnetic Field Associated with Moving Flare Ribbons as Seen by GST. Astrophysical Journal, 2018, 869, 21.	1.6	16
20	First light of the 1.6 meter off-axis New Solar Telescope at Big Bear Solar Observatory. Proceedings of SPIE, 2010, , .	0.8	15
21	OBSERVATION OF MAGNETIC RECONNECTION DRIVEN BY GRANULAR SCALE ADVECTION. Astrophysical Journal Letters, 2013, 769, L33.	3.0	14
22	Transient rotation of photospheric vector magnetic fields associated with a solar flare. Nature Communications, 2018, 9, 46.	5.8	14
23	Light Bridge Brightening and Plasma Ejection Driven by a Magnetic Flux Emergence Event. Astrophysical Journal, 2019, 886, 64.	1.6	13
24	Rapid Evolution of Type II Spicules Observed in Goode Solar Telescope On-disk H_{Î±}ÂImages. Astrophysical Journal Letters, 2020, 891, L21.	3.0	10
25	Possible Signature of Sausage Waves in Photospheric Bright Points. Solar Physics, 2021, 296, 1.	1.0	9
26	High-resolution Observations of Small-scale Flux Emergence by GST. Astrophysical Journal, 2020, 900, 84.	1.6	6
27	Magneto-acoustic oscillations observed in a solar plage region. Research in Astronomy and Astrophysics, 2021, 21, 179.	0.7	5
28	A deep learning method to estimate magnetic fields in solar active regions from photospheric continuum images. Astronomy and Astrophysics, 2021, 652, A143.	2.1	4
29	A High-resolution Study of Magnetic Field Evolution and Spicular Activity around the Boundary of a Coronal Hole. Astrophysical Journal, 2022, 924, 137.	1.6	4
30	Spectral Diagnostics of Solar Photospheric Bright Points. Astrophysical Journal, 2020, 900, 130.	1.6	3
31	High-resolution Spectroscopic Imaging of Counter-streaming Motions in Solar Active Region Magnetic Loops. Astrophysical Journal Letters, 2019, 881, L25.	3.0	2
32	Chromospheric Recurrent Jets in a Sunspot Group and Their Intergranular Origin. Astrophysical Journal, 2022, 932, 95.	1.6	2