

# Wenda Cao

## List of Publications by Year in descending order

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32  
papers

1,007  
citations

430874

18  
h-index

414414

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g-index

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all docs

32  
docs citations

32  
times ranked

774  
citing authors

#	ARTICLE	IF	CITATIONS
1	A High-resolution Study of Magnetic Field Evolution and Spicular Activity around the Boundary of a Coronal Hole. <i>Astrophysical Journal</i> , 2022, 924, 137.	4.5	4
2	Chromospheric Recurrent Jets in a Sunspot Group and Their Intergranular Origin. <i>Astrophysical Journal</i> , 2022, 932, 95.	4.5	2
3	Critical Science Plan for the Daniel K. Inouye Solar Telescope (DKIST). <i>Solar Physics</i> , 2021, 296, 1.	2.5	65
4	Magneto-acoustic oscillations observed in a solar plage region. <i>Research in Astronomy and Astrophysics</i> , 2021, 21, 179.	1.7	5
5	A deep learning method to estimate magnetic fields in solar active regions from photospheric continuum images. <i>Astronomy and Astrophysics</i> , 2021, 652, A143.	5.1	4
6	Possible Signature of Sausage Waves in Photospheric Bright Points. <i>Solar Physics</i> , 2021, 296, 1.	2.5	9
7	Rapid Evolution of Type II Spicules Observed in Goode Solar Telescope On-disk $H\alpha$ Images. <i>Astrophysical Journal Letters</i> , 2020, 891, L21.	8.3	10
8	High-resolution Observations of Small-scale Flux Emergence by GST. <i>Astrophysical Journal</i> , 2020, 900, 84.	4.5	6
9	Spectral Diagnostics of Solar Photospheric Bright Points. <i>Astrophysical Journal</i> , 2020, 900, 130.	4.5	3
10	High-resolution Spectroscopic Imaging of Counter-streaming Motions in Solar Active Region Magnetic Loops. <i>Astrophysical Journal Letters</i> , 2019, 881, L25.	8.3	2
11	Generation of solar spicules and subsequent atmospheric heating. <i>Science</i> , 2019, 366, 890-894.	12.6	102
12	Light Bridge Brightening and Plasma Ejection Driven by a Magnetic Flux Emergence Event. <i>Astrophysical Journal</i> , 2019, 886, 64.	4.5	13
13	Signatures of Magnetic Reconnection at the Footpoints of Fan-shaped Jets on a Light Bridge Driven by Photospheric Convective Motions. <i>Astrophysical Journal</i> , 2019, 870, 90.	4.5	18
14	High-resolution Observations of Flares in an Arch Filament System. <i>Astrophysical Journal</i> , 2018, 855, 77.	4.5	24
15	Frequently Occurring Reconnection Jets from Sunspot Light Bridges. <i>Astrophysical Journal</i> , 2018, 854, 92.	4.5	70
16	Transient rotation of photospheric vector magnetic fields associated with a solar flare. <i>Nature Communications</i> , 2018, 9, 46.	12.8	14
17	Extending Counter-streaming Motion from an Active Region Filament to a Sunspot Light Bridge. <i>Astrophysical Journal Letters</i> , 2018, 852, L18.	8.3	18
18	Evolution of Photospheric Vector Magnetic Field Associated with Moving Flare Ribbons as Seen by GST. <i>Astrophysical Journal</i> , 2018, 869, 21.	4.5	16

#	ARTICLE	IF	CITATIONS
19	High-resolution observations of flare precursors in the low solar atmosphere. Nature Astronomy, 2017, 1, .	10.1	74
20	MATERIAL SUPPLY AND MAGNETIC CONFIGURATION OF AN ACTIVE REGION FILAMENT. Astrophysical Journal, 2016, 831, 123.	4.5	23
21	Flare differentially rotates sunspot on Sun's surface. Nature Communications, 2016, 7, 13104.	12.8	42
22	Unprecedented Fine Structure of a Solar Flare Revealed by the 1.6-m New Solar Telescope. Scientific Reports, 2016, 6, 24319.	3.3	73
23	AO-308: the high-order adaptive optics system at Big Bear Solar Observatory. Proceedings of SPIE, 2014, , .	0.8	22
24	OBSERVATION OF MAGNETIC RECONNECTION DRIVEN BY GRANULAR SCALE ADVECTION. Astrophysical Journal Letters, 2013, 769, L33.	8.3	14
25	Fast Imaging Solar Spectrograph of the 1.6 Meter New Solar Telescope at Big Bear Solar Observatory. Solar Physics, 2013, 288, 1-22.	2.5	67
26	The 1.6 m off-axis New Solar Telescope (NST) in Big Bear. Proceedings of SPIE, 2012, , .	0.8	40
27	CHARACTERISTIC SIZE OF FLARE KERNELS IN THE VISIBLE AND NEAR-INFRARED CONTINUA. Astrophysical Journal Letters, 2012, 750, L7.	8.3	20
28	OBSERVATION OF ULTRAFINE CHANNELS OF SOLAR CORONA HEATING. Astrophysical Journal Letters, 2012, 750, L25.	8.3	64
29	PHOTOSPHERIC SIGNATURES OF GRANULAR-SCALE FLUX EMERGENCE AND CANCELLATION AT THE PENUMBRAL BOUNDARY. Astrophysical Journal, 2011, 740, 82.	4.5	22
30	First light of the 1.6 meter off-axis New Solar Telescope at Big Bear Solar Observatory. Proceedings of SPIE, 2010, , .	0.8	15
31	HIGHEST RESOLUTION OBSERVATIONS OF THE QUIETEST SUN. Astrophysical Journal Letters, 2010, 714, L31-L35.	8.3	72
32	High-Resolution Observations of Multiwavelength Emissions during Two X-Class White-Light Flares. Astrophysical Journal, 2006, 641, 1210-1216.	4.5	74