Xianyong Bai

List of Publications by Year
in descending order

		1040056	996975
26 papers	**227** citations	**9** h-index	**15** g-index
26 all docs	**26** docs citations	**26** times ranked	**215** citing authors

#	Article	IF	Citations
1	Mapping the magnetic field in the solar corona through magnetoseismology. Science China Technological Sciences, 2020, 63, 2357-2368.	4.0	41
2	Coronal Microjets in Quiet-Sun Regions Observed with the Extreme Ultraviolet Imager on Board the Solar Orbiter. Astrophysical Journal Letters, 2021, 918, L20.	8.3	24
3	Three-dimensional Propagation of the Global Extreme-ultraviolet Wave Associated with a Solar Eruption on 2021 October 28. Astrophysical Journal, 2022, 928, 98.	4.5	22
4	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.	4.5	18
5	Sun-as-a-star Spectroscopic Observations of the Line-of-sight Velocity of a Solar Eruption on 2021 October 28. Astrophysical Journal, 2022, 931, 76.	4.5	16
6	Forward Modeling of Solar Coronal Magnetic-field Measurements Based on a Magnetic-field-induced Transition in Fe x. Astrophysical Journal, 2021, 920, 116.	4.5	13
7	High-frequency Oscillations in the Atmosphere above a Sunspot Umbra. Astrophysical Journal Letters, 2018, 856, L16.	8.3	11
8	MULTI-WAVELENGTH OBSERVATIONS OF A SUBARCSECOND PENUMBRAL TRANSIENT BRIGHTENING EVENT. Astrophysical Journal, 2016, 823, 60.	4.5	10
9	Formation of Solar Quiescent Coronal Loops through Magnetic Reconnection in an Emerging Active Region. Astrophysical Journal, 2021, 915, 39.	4.5	10
10	Automatic Detection of Sunspots on Full-disk Solar Images Using the Simulated Annealing Genetic Method. Publications of the Astronomical Society of the Pacific, 2018, 130, 104503.	3.1	9
11	Measurements of the Magnetic Field Strengths at the Bases of Stellar Coronae Using the Magnetic-field-induced Transition Theory. Astrophysical Journal Letters, 2021, 918, L13.	8.3	9
12	Morphological Classification of G-band Bright Points Based on Deep Learning. Astrophysical Journal, 2019, 887, 129.	4.5	7
13	A Non-Linear Magnetic Field Calibration Method for Filter-Based Magnetographs by Multilayer Perceptron. Solar Physics, 2020, 295, 1.	2.5	7
14	Can We Detect Coronal Mass Ejections through Asymmetries of Sun-as-a-star Extreme-ultraviolet Spectral Line Profiles?. Astrophysical Journal, Supplement Series, 2022, 260, 36.	7.7	6
15	Small-scale Bright Blobs Ejected from a Sunspot Light Bridge. Astrophysical Journal, 2021, 908, 201.	4.5	4
16	Research on Multiwavelength Isolated Bright Points Based on Deep Learning. Astrophysical Journal, 2021, 911, 32.	4.5	4
17	A deep learning method to estimate magnetic fields in solar active regions from photospheric continuum images. Astronomy and Astrophysics, 2021, 652, A143.	5.1	4
18	The measurement of flat fields and polarization offset from the routine observation data of a solar rotation. Chinese Science Bulletin, 2018, 63, 301-310.	0.7	4

#	Article	IF	Citations
19	Flat-field measuring and correction method for full-disk solar image based on ground glass. Chinese Science Bulletin, 2017, 62, 3057-3066.	0.7	3
20	Flat-fielding of Full-disk Solar Images with a Gaussian-type Diffuser. Solar Physics, 2019, 294, 1.	2.5	2
21	A CME Automatic Detection Method Based on Adaptive Background Learning Technology. Advances in Astronomy, 2019, 2019, 1-14.	1.1	1
22	Non-LTE Calculations of the Mg i 12.32 μm Line in a Flaring Atmosphere. Astrophysical Journal, 2020, 898, 134.	4.5	1
23	Improvements of the Longitudinal Magnetic Field Measurement from the Solar Magnetic Field Telescope at the Huairou Solar Observing Station. Solar Physics, 2021, 296, 1.	2.5	1
24	A Method to Correct the Intensity to Polarization Crosstalk in Measuring Full-Disk Solar Photospheric Vector Magnetic Fields. Solar Physics, 2019, 294, 1.	2.5	0
25	Infrared diagnostics of the solar magnetic field with Mg I 12 μm lines: forward-model results. Astronomy and Astrophysics, 2021, 646, A79.	5.1	0
26	晨昏子午线太阳磁场望远镜横场测量的定标方法. Scientia Sinica: Physica, Mechanica Et Astronomica, 2022, , .	0.0	0