

Yong Zhang

List of Publications by Year in descending order

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69
papers

2,345
citations

366904

19
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185068

48
g-index

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all docs

70
docs citations

70
times ranked

2922
citing authors

#	ARTICLE	IF	CITATIONS
1	The Near-infrared Ca ii Triplet as a Stellar Activity Indicator: A Library and Comparative Study. <i>Astrophysical Journal, Supplement Series</i> , 2024, 272, 6.	7.3	1
2	Artificial Intelligence in Astronomical Optical Telescopes: Present Status and Future Perspectives. <i>Universe</i> , 2024, 10, 210.	2.4	2
3	Satellite impact on astronomical observations based on the elliptical orbit model. <i>Astronomy and Astrophysics</i> , 2024, 687, A135.	5.4	0
4	Segmentation of the hyperbolic primary mirror of the 4-m JUST telescope. , 2024, , 212.		0
5	Systematic optical axis prediction based on machine learning for SONG pointing tracking model. , 2024, , 164.		0
6	Optical system of Jiao Tong University spectroscopic telescope (JUST). , 2024, , 132.		0
7	Research on Calibration Method of off-axis Closed-loop Detection System for Multi-target Spectral Telescope. <i>Publications of the Astronomical Society of the Pacific</i> , 2023, 135, 064504.	6.8	2
8	Intelligent monitoring and diagnosis of telescope image quality. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 525, 3541-3550.	4.3	3
9	Evaluation method to obtain a fiducial fiber metrology benchmark for the Large Sky Area Multi-Object Fiber Spectroscopic Telescope. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2023, 9, .	2.5	1
10	Number and Distribution of Fiducial Fibers in a Spectroscopic Survey Telescope. <i>Research in Astronomy and Astrophysics</i> , 2022, 22, 025010.	3.0	5
11	Properties and evolutions of starspots on three detached eclipsing binaries in the LAMOSTâ€‹<i>Kepler</i> survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 2285-2301.	4.3	5
12	Research on Autofocus Recognition of the LAMOST Fiber View Camera System Under Front and Back Illumination. <i>Publications of the Astronomical Society of the Pacific</i> , 2022, 134, 025001.	6.8	3
13	The stellar â€‹Snakeâ€™â€™ I. Whole structure and properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 503-515.	4.3	6
14	Research on the Time Drift Stability of Differential Inductive Displacement Sensors with Frequency Output. <i>Sensors</i> , 2022, 22, 6234.	4.0	24
15	Research on a new position actuator control technology for segmented primary mirror telescopes. , 2022, , 166.		0
16	Research on the Fiducial Fibre Coding and Identification Algorithm of the LAMOST Fibre Positioning System. <i>Publications of the Astronomical Society of the Pacific</i> , 2022, 134, 115003.	6.8	5
17	The Lithium Abundances from the Large Sky Area Multi-object Fiber Spectroscopic Telescope Medium-resolution Survey. I. The Method. <i>Astrophysical Journal</i> , 2021, 914, 116.	4.7	14
18	A synchronous demodulation technology based on sample-and-hold for eddy current sensors. <i>Review of Scientific Instruments</i> , 2021, 92, .	1.6	2

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19	Misclassified B Stars in the Kepler Field. <i>Astrophysical Journal</i> , 2018, 854, 168.	4.7	11
20	The LAMOST Complete Spectroscopic Survey of Pointing Area (LaCoSSPAr) in the Southern Galactic Cap. I. The Spectroscopic Redshift Catalog. <i>Astrophysical Journal, Supplement Series</i> , 2018, 234, 5.	7.3	5
21	Mapping the Milky Way with LAMOST – II. The stellar halo. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 1244-1257.	4.3	28
22	Chromospheric activity of periodic variable stars (including eclipsing binaries) observed in DR2 LAMOST stellar spectral survey. <i>New Astronomy</i> , 2018, 61, 36-58.	1.9	24
23	The research progress of eddy current edge sensors for Chinese extremely large telescope. , 2018, , .		3
24	Label Transfer from APOGEE to LAMOST: Precise Stellar Parameters for 450,000 LAMOST Giants. <i>Astrophysical Journal</i> , 2017, 836, 5.	4.7	95
25	The Local Spiral Arm in the LAMOST-Gaia Common Stars?. <i>Astrophysical Journal Letters</i> , 2017, 835, L18.	10.5	16
26	LAMOST OBSERVATIONS OF FLARING M DWARFS IN THE KEPLER FIELD. <i>Astrophysical Journal</i> , 2017, 834, 92.	4.7	25
27	CHARACTERIZING THE SHARDS OF DISRUPTED MILKY WAY SATELLITES WITH LAMOST. <i>Astrophysical Journal</i> , 2016, 822, 16.	4.7	7
28	LAMOST OBSERVATIONS IN THE KEPLER FIELD: SPECTRAL CLASSIFICATION WITH THE MKCLASS CODE. <i>Astronomical Journal</i> , 2016, 151, 13.	4.7	54
29	LAMOST 1: A DISRUPTED SATELLITE IN THE CONSTELLATION DRACO. <i>Astrophysical Journal Letters</i> , 2016, 816, L2.	10.5	1
30	A large sample of metallic-line star candidates from LAMOST Data Release 1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 1401-1407.	4.3	21
31	Determination of the local standard of rest using the LSS-GAC DR1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 162-174.	4.3	60
32	STELLAR LOCI II. A MODEL-FREE ESTIMATE OF THE BINARY FRACTION FOR FIELD FGK STARS. <i>Astrophysical Journal</i> , 2015, 799, 135.	4.7	52
33	SPECTROSCOPIC ANALYSIS OF METAL-POOR STARS FROM LAMOST: EARLY RESULTS. <i>Astrophysical Journal</i> , 2015, 798, 110.	4.7	63
34	The velocity distribution in the solar neighbourhood from the LAMOST pilot survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 2367-2377.	4.3	11
35	A search for double-peaked narrow emission line galaxies and AGNs in the LAMOST DR1. <i>Research in Astronomy and Astrophysics</i> , 2014, 14, 1234-1250.	3.0	17
36	HST and LAMOST discover a dual active galactic nucleus in J0038+4128. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 2927-2932.	4.3	14

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37	Latest progress of LAMOST primary co-phasing experiment in NIAOT, China. Proceedings of SPIE, 2014, 9145, 91454W.	0.0	1
38	Research progress of co-phasing inductance edge sensor for Chinese extremely large telescope. Proceedings of SPIE, 2014, 9145, 91454Y.	0.0	1
39	Upgradation progress of 13.7m millimeter radio telescope reflector surface maintenance test. Proceedings of SPIE, 2014, 9145, 914540.	0.0	0
40	THE NEAREST HIGH-VELOCITY STARS REVEALED BY LAMOST DATA RELEASE 1. Astrophysical Journal Letters, 2014, 789, L2.	10.5	36
41	THE FIRST HYPERVELOCITY STAR FROM THE LAMOST SURVEY. Astrophysical Journal Letters, 2014, 785, L23.	10.5	56
42	ON THE METALLICITIES OF <i>KEPLER</i> STARS. Astrophysical Journal Letters, 2014, 789, L3.	10.5	75
43	THE LAMOST SURVEY OF BACKGROUND QUASARS IN THE VICINITY OF THE ANDROMEDA AND TRIANGULUM GALAXIES. II. RESULTS FROM THE COMMISSIONING OBSERVATIONS AND THE PILOT SURVEYS. Astronomical Journal, 2013, 145, 159.	4.7	24
44	An active reflector antenna using a laser angle metrology system. Research in Astronomy and Astrophysics, 2012, 12, 713-722.	3.0	6
45	Conceptual design of a 5-m terahertz telescope at Dome A. Proceedings of SPIE, 2012, 8444, 84445B.	0.0	1
46	The Large Sky Area Multi-Object Fiber Spectroscopic Telescope (LAMOST). Research in Astronomy and Astrophysics, 2012, 12, 1197-1242.	3.0	1,205
47	Data release of the LAMOST pilot survey. Research in Astronomy and Astrophysics, 2012, 12, 1243-1246.	3.0	206
48	Study on functional integration of the SKA and the solar thermal power system. Proceedings of SPIE, 2012, 8450, 84505Q.	0.0	0
49	Outdoors phasing progress of dispersed fringe sensing technology in NIAOT, China. Proceedings of SPIE, 2012, 8444, 844461.	0.0	0
50	An active surface upgrade for the Delingha 13.7-m Radio Telescope. Proceedings of SPIE, 2012, 8444, 84444B.	0.0	2
51	Progress of the active reflector antenna using laser angle metrology system. Proceedings of SPIE, 2012, 8444, 84444Y.	0.0	0
52	An experimental indoor phasing system based on active optics using dispersed Hartmann sensing technology in the visible waveband. Research in Astronomy and Astrophysics, 2011, 11, 1111-1122.	3.0	8
53	Experimental Study of Segmented Mirrors Co-Phase Using Dispersed Fringe Sensor. Guangxue Xuebao/Acta Optica Sinica, 2011, 31, 0212004.	0.9	0
54	The optical performance of LAMOST telescope. Proceedings of SPIE, 2010, 7733, 773309.	0.0	7

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55	A new efficient laser angle metrology system for maintaining the large radio telescope active reflecting antenna. Proceedings of SPIE, 2010, 7733, 77333M.	0.0	1
56	An indoor three-mirror phasing experiment system based on a dispersed Hartmann type sensor. Proceedings of SPIE, 2010, 7733, 773352.	0.0	0
57	New planetary nebulae in the outskirts of the Andromeda Galaxy discovered with the Guoshoujing Telescope (LAMOST). Research in Astronomy and Astrophysics, 2010, 10, 599-611.	3.0	19
58	New background quasars in the vicinity of the Andromeda Galaxy discovered with the Guoshoujing Telescope (LAMOST). Research in Astronomy and Astrophysics, 2010, 10, 612-620.	3.0	20
59	Control system of a dispersed fringe type sensing system of active optics. Proceedings of SPIE, 2010, 7736, 77364Q.	0.0	0
60	A very bright ($i = 16.44$) quasar in the "redshift desert" discovered by the Guoshoujing Telescope (LAMOST). Research in Astronomy and Astrophysics, 2010, 10, 737-744.	3.0	17
61	Eight new quasars discovered by the Guoshoujing Telescope (LAMOST) in one extragalactic field. Research in Astronomy and Astrophysics, 2010, 10, 745-752.	3.0	21
62	Preliminary study of a dispersed fringe type sensing system. Research in Astronomy and Astrophysics, 2009, 9, 945-952.	3.0	5
63	Progress of LAMOST wavefront sensing. Proceedings of SPIE, 2008, , .	0.0	3
64	Low-order AO system in LAMOST. , 2006, , .		3
65	Experimental research on the sampling point number of LAMOST active optics wavefront test. , 2006, , .		2
66	Calculations for the Pre-Calibration of LAMOST Active Optics. Research in Astronomy and Astrophysics, 2005, 5, 302-314.	1.1	14
67	Measuring Seeing with a Shack-Hartmann Wave-front Sensor During an Active-Optics Experiment. Applied Optics, 2004, 43, 729.	2.2	16
68	Experiment system of LAMOST active optics. , 2004, , .		15
69	The edge sensor of segmented mirror based on fringes of equal thickness. Research in Astronomy and Astrophysics, 0, , .	3.0	1