

Jian-Rong Shi

List of Publications by Year in descending order

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101
papers

3,569
citations

159585

30
h-index

149698

56
g-index

101
all docs

101
docs citations

101
times ranked

2271
citing authors

#	ARTICLE	IF	CITATIONS
1	The first data release (DR1) of the LAMOST regular survey. <i>Research in Astronomy and Astrophysics</i> , 2015, 15, 1095-1124.	1.7	565
2	Data release of the LAMOST pilot survey. <i>Research in Astronomy and Astrophysics</i> , 2012, 12, 1243-1246.	1.7	189
3	Automatic determination of stellar atmospheric parameters and construction of stellar spectral templates of the Guoshoujing Telescope (LAMOST). <i>Research in Astronomy and Astrophysics</i> , 2011, 11, 924-946.	1.7	168
4	The LAMOST stellar parameter pipeline at Peking University “lsp3”. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 448, 822-854.	4.4	132
5	Abundance Estimates for 16 Elements in 6 Million Stars from LAMOST DR5 Low-Resolution Spectra. <i>Astrophysical Journal, Supplement Series</i> , 2019, 245, 34.	7.7	130
6	LAMOST OBSERVATIONS IN THE <i>KEPLER</i> FIELD. I. DATABASE OF LOW-RESOLUTION SPECTRA. <i>Astrophysical Journal, Supplement Series</i> , 2015, 220, 19.	7.7	129
7	Stellar Abundance and Galactic Chemical Evolution through LAMOST Spectroscopic Survey. <i>Research in Astronomy and Astrophysics</i> , 2006, 6, 265-280.	1.1	124
8	Abundances of Na, Mg and Al in nearby metal-poor stars. <i>Astronomy and Astrophysics</i> , 2004, 413, 1045-1063.	5.1	111
9	SYSTEMATIC NON-LTE STUDY OF THE $\sim 2.6\% \hat{A}[\text{Fe}/\text{H}] \hat{A} 0.2$ F AND G DWARFS IN THE SOLAR NEIGHBORHOOD. II. ABUNDANCE PATTERNS FROM Li TO Eu*. <i>Astrophysical Journal</i> , 2016, 833, 225.	4.5	110
10	Activity indicators and stellar parameters of the <i>Kepler</i> targets. <i>Astronomy and Astrophysics</i> , 2016, 594, A39.	5.1	96
11	Na, Mg and Al abundances as a population discriminant for nearby metal-poor stars. <i>Astronomy and Astrophysics</i> , 2006, 451, 1065-1079.	5.1	94
12	Non-LTE line formation for heavy elements in four very metal-poor stars. <i>Astronomy and Astrophysics</i> , 2008, 478, 529-541.	5.1	90
13	Observational evidence for enhanced magnetic activity of superflare stars. <i>Nature Communications</i> , 2016, 7, 11058.	12.8	70
14	The Ages and Masses of a Million Galactic-disk Main-sequence Turnoff and Subgiant Stars from the LAMOST Galactic Spectroscopic Surveys. <i>Astrophysical Journal, Supplement Series</i> , 2017, 232, 2.	7.7	62
15	LAMOST OBSERVATIONS IN THE KEPLER FIELD. ANALYSIS OF THE STELLAR PARAMETERS MEASURED WITH LASP BASED ON LOW-RESOLUTION SPECTRA*. <i>Astrophysical Journal, Supplement Series</i> , 2016, 225, 28.	7.7	57
16	LAMOST OBSERVATIONS IN THE KEPLER FIELD: SPECTRAL CLASSIFICATION WITH THE MKCLASS CODE. <i>Astronomical Journal</i> , 2016, 151, 13.	4.7	57
17	LAMOST Observations in the Kepler Field. II. Database of the Low-resolution Spectra from the Five-year Regular Survey*. <i>Astrophysical Journal, Supplement Series</i> , 2018, 238, 30.	7.7	53
18	Statistical equilibrium of silicon in the solar atmosphere. <i>Astronomy and Astrophysics</i> , 2008, 486, 303-310.	5.1	51

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19	Lithium abundances in metal-poor stars. <i>Astronomy and Astrophysics</i> , 2007, 465, 587-591.	5.1	45
20	Statistical equilibrium of silicon in the atmospheres of metal-poor stars. <i>Astronomy and Astrophysics</i> , 2009, 503, 533-540.	5.1	43
21	Ages and masses of 0.64 million red giant branch stars from the LAMOST Galactic Spectroscopic Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 5315-5329.	4.4	43
22	Sodium abundances in nearby disk stars. <i>Astronomy and Astrophysics</i> , 2004, 423, 683-691.	5.1	42
23	The nature of the lithium enrichment in the most Li-rich giant star. <i>Nature Astronomy</i> , 2018, 2, 790-795.	10.1	42
24	Phase II of the LAMOST-Kepler/K2 Survey. I. Time Series of Medium-resolution Spectroscopic Observations. <i>Astrophysical Journal, Supplement Series</i> , 2020, 251, 15.	7.7	38
25	THE NEAREST HIGH-VELOCITY STARS REVEALED BY LAMOST DATA RELEASE 1. <i>Astrophysical Journal Letters</i> , 2014, 789, L2.	8.3	36
26	The Solar Twin Planet Search. <i>Astronomy and Astrophysics</i> , 2017, 597, A34.	5.1	36
27	Stellar Mass Distribution and Star Formation History of the Galactic Disk Revealed by Mono-age Stellar Populations from LAMOST. <i>Astrophysical Journal, Supplement Series</i> , 2018, 237, 33.	7.7	36
28	Lithium-rich Giants in LAMOST Survey. I. The Catalog. <i>Astrophysical Journal, Supplement Series</i> , 2019, 245, 33.	7.7	36
29	Beryllium abundances in metal-poor stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 392, 205-215.	4.4	34
30	Enormous Li Enhancement Preceding Red Giant Phases in Low-mass Stars in the Milky Way Halo. <i>Astrophysical Journal Letters</i> , 2018, 852, L31.	8.3	34
31	NON-LTE ANALYSIS OF NEUTRAL COPPER IN LATE-TYPE METAL-POOR STARS. <i>Astrophysical Journal</i> , 2015, 802, 36.	4.5	31
32	Most lithium-rich low-mass evolved stars revealed as red clump stars by asteroseismology and spectroscopy. <i>Nature Astronomy</i> , 2021, 5, 86-93.	10.1	31
33	Four-hundred Very Metal-poor Stars Studied with LAMOST and Subaru. II. Elemental Abundances. <i>Astrophysical Journal</i> , 2022, 931, 147.	4.5	28
34	Overview of the LAMOST-Kepler project. <i>Research in Astronomy and Astrophysics</i> , 2020, 20, 167.	1.7	26
35	Non-LTE analysis of copper abundances for the two distinct halo populations in the solar neighborhood. <i>Astronomy and Astrophysics</i> , 2016, 585, A102.	5.1	25
36	Magnetic Activities of M-type Stars Based on LAMOST DR5 and Kepler and K2 Missions. <i>Astrophysical Journal, Supplement Series</i> , 2019, 243, 28.	7.7	25

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37	Radial velocity measurements from LAMOST medium-resolution spectroscopic observations: a pointing towards the Kepler field. <i>Research in Astronomy and Astrophysics</i> , 2019, 19, 075.	1.7	25
38	STATISTICAL EQUILIBRIUM OF COPPER IN THE SOLAR ATMOSPHERE. <i>Astrophysical Journal</i> , 2014, 782, 80.	4.5	24
39	Overview of the LAMOST survey in the first decade. <i>Innovation(China)</i> , 2022, 3, 100224.	9.1	24
40	Chemical and Kinematic Analysis of CN-strong Metal-poor Field Stars in LAMOST DR3. <i>Astrophysical Journal</i> , 2019, 871, 58.	4.5	23
41	Chemical and Kinematic Properties of the Galactic Disk from the LAMOST and Gaia Sample Stars. <i>Astrophysical Journal</i> , 2019, 880, 36.	4.5	22
42	NLTE ANALYSIS OF HIGH-RESOLUTION H-BAND SPECTRA. I. NEUTRAL SILICON*. <i>Astrophysical Journal</i> , 2016, 833, 137.	4.5	21
43	New Nearby Hypervelocity Stars and Their Spatial Distribution from Gaia DR2. <i>Astrophysical Journal, Supplement Series</i> , 2019, 244, 4.	7.7	20
44	Magnetic activity based on LAMOST medium-resolution spectra and the Kepler survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 1252-1270.	4.4	20
45	Broadening and Redward Asymmetry of H β Line Profiles Observed by LAMOST during a Stellar Flare on an M-type Star. <i>Astrophysical Journal</i> , 2022, 928, 180.	4.5	20
46	High-resolution Spectroscopic Analysis of a Large Sample of Li-rich Giants Found By LAMOST. <i>Astrophysical Journal</i> , 2019, 877, 104.	4.5	19
47	NLTE Analysis of Copper Lines in Different Stellar Populations. <i>Astrophysical Journal</i> , 2018, 862, 71.	4.5	18
48	Mapping the Galactic Disk with the LAMOST and Gaia Red Clump Sample. VII. The Stellar Disk Structure Revealed by the Mono-abundance Populations. <i>Astrophysical Journal</i> , 2021, 912, 106.	4.5	18
49	Double- and Triple-line Spectroscopic Candidates in the LAMOST Medium-Resolution Spectroscopic Survey. <i>Astrophysical Journal, Supplement Series</i> , 2021, 256, 31.	7.7	18
50	Exploring the spectral information content in the LAMOST medium-resolution survey (MRS). <i>Research in Astronomy and Astrophysics</i> , 2020, 20, 051.	1.7	18
51	ATOMIC DATA OF Cu I FOR THE INVESTIGATION OF ELEMENT ABUNDANCE. <i>Astrophysical Journal, Supplement Series</i> , 2014, 211, 30.	7.7	16
52	NLTE ANALYSIS OF HIGH-RESOLUTION H-BAND SPECTRA. II. NEUTRAL MAGNESIUM*. <i>Astrophysical Journal</i> , 2017, 835, 90.	4.5	16
53	LAMOST Observations in 15 K2 Campaigns. I. Low-resolution Spectra from LAMOST DR6. <i>Astrophysical Journal, Supplement Series</i> , 2020, 251, 27.	7.7	15
54	SILICON ABUNDANCES IN NEARBY STARS FROM THE Si I INFRARED LINES. <i>Astrophysical Journal</i> , 2012, 755, 36.	4.5	14

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55	Chromospheric activity properties and search for subdwarfs and extreme subdwarfs based on LAMOST stellar spectral survey. <i>New Astronomy</i> , 2016, 44, 66-77.	1.8	14
56	On the Chemical and Kinematic Consistency between N-rich Metal-poor Field Stars and Enriched Populations in Globular Clusters. <i>Astrophysical Journal</i> , 2020, 891, 28.	4.5	14
57	Star Formation Timescales of the Halo Populations from Asteroseismology and Chemical Abundances*. <i>Astrophysical Journal</i> , 2021, 912, 72.	4.5	14
58	New Oe Stars in LAMOST DR5. <i>Astrophysical Journal</i> , 2018, 863, 70.	4.5	13
59	Call H&K emission distribution of $\sim 120\,000$ F, G and K stars in LAMOST DR1. <i>Research in Astronomy and Astrophysics</i> , 2015, 15, 1282-1293.	1.7	12
60	Asteroseismology of the Double-mode High-amplitude δ Scuti Star VX Hydrae. <i>Astrophysical Journal</i> , 2018, 861, 96.	4.5	12
61	Statistical equilibrium of silicon in the atmospheres of nearby metal-poor stars. <i>Astronomy and Astrophysics</i> , 2011, 534, A103.	5.1	11
62	The Origin of High-velocity Stars from Gaia and LAMOST. <i>Astrophysical Journal Letters</i> , 2018, 869, L31.	8.3	11
63	Chromospheric Activity of M Stars Based on LAMOST Low- and Medium-resolution Spectral Surveys. <i>Astrophysical Journal, Supplement Series</i> , 2021, 253, 19.	7.7	11
64	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.	4.5	11
65	Lithium Evolution of Giant Stars Observed by LAMOST and Kepler. <i>Astrophysical Journal Letters</i> , 2021, 919, L3.	8.3	11
66	Super lithium-rich K giant with low $\langle \sup{12} \rangle / \langle \sup{13} \rangle$ C to $\langle \sup{13} \rangle / \langle \sup{12} \rangle$ C ratio. <i>Astronomy and Astrophysics</i> , 2018, 615, A74.	5.1	10
67	On the radial velocity calibrations in the LAMOST medium-resolution spectroscopic survey of nebulae. <i>Research in Astronomy and Astrophysics</i> , 2021, 21, 051.	1.7	9
68	Four-hundred Very Metal-poor Stars Studied with LAMOST and Subaru. I. Survey Design, Follow-up Program, and Binary Frequency. <i>Astrophysical Journal</i> , 2022, 931, 146.	4.5	9
69	60 Candidate High-velocity Stars Originating from the Sagittarius Dwarf Spheroidal Galaxy in Gaia EDR3. <i>Astrophysical Journal Letters</i> , 2022, 933, L13.	8.3	9
70	Possibility to Identify the Contributions from Collapsars, Supernovae, and Neutron Star Mergers from the Evolution of the r-process Mass Abundance Distribution. <i>Astrophysical Journal</i> , 2022, 933, 112.	4.5	9
71	Fe I/Fe II ionization equilibrium in cool stars: NLTE versus LTE. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 197-200.	0.0	8
72	Cataclysmic variables based on the stellar spectral survey LAMOST DR3. <i>Research in Astronomy and Astrophysics</i> , 2018, 18, 068.	1.7	8

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73	A Catalog of 323 Cataclysmic Variables from LAMOST DR6. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 65.	7.7	7
74	Radio stars observed in the LAMOST spectral survey. <i>Research in Astronomy and Astrophysics</i> , 2017, 17, 105.	1.7	6
75	NLTE Analysis of Copper Abundances in the Galactic Bulge Stars. <i>Astrophysical Journal</i> , 2019, 875, 142.	4.5	6
76	A New Transition Wolf-Rayet WN/C Star in the Milky Way. <i>Astrophysical Journal</i> , 2020, 902, 62.	4.5	6
77	Two Substructures in the nearby Stellar Halo Found in Gaia and RAVE. <i>Astrophysical Journal</i> , 2020, 895, 23.	4.5	6
78	Stellar Atmospheric Parameters of M-type Stars from LAMOST DR8. <i>Astrophysical Journal, Supplement Series</i> , 2022, 260, 45.	7.7	6
79	A Long-period Pre-ELM System Discovered from the LAMOST Medium-resolution Survey. <i>Astrophysical Journal</i> , 2022, 933, 193.	4.5	6
80	The Odd Isotope Fractions of Barium in the Strongly r-process-enhanced (r-II) Stars*. <i>Astrophysical Journal</i> , 2018, 854, 131.	4.5	5
81	Keck/HIRES Spectroscopic Analysis of Barium Abundances. <i>Astrophysical Journal</i> , 2020, 896, 64.	4.5	5
82	LAMOST/HRS spectroscopic analysis of two new Li-rich giants. <i>Research in Astronomy and Astrophysics</i> , 2021, 21, 020.	1.7	5
83	Chromospheric Activity of Periodic Variable Stars Based on the LAMOST Low- and Medium-resolution Spectral Survey. <i>Astrophysical Journal, Supplement Series</i> , 2021, 253, 51.	7.7	5
84	Progress in nuclear astrophysics of east and southeast Asia. <i>AAPPS Bulletin</i> , 2021, 31, 1.	6.1	5
85	Existence of the Metal-rich Stellar Halo and High-velocity Thick Disk in the Galaxy. <i>Astrophysical Journal</i> , 2020, 903, 131.	4.5	5
86	Non-LTE Analyses of High-resolution H-band Spectra. III. Neutral and Singly Ionized Calcium. <i>Astrophysical Journal</i> , 2019, 881, 77.	4.5	4
87	Searching for r-process-enhanced stars in the LAMOST survey I: the method. <i>Research in Astronomy and Astrophysics</i> , 2021, 21, 036.	1.7	4
88	LAMOST medium-resolution spectral survey of Galactic nebulae (LAMOST-MRS-N): subtraction of geocoronal H β emission. <i>Research in Astronomy and Astrophysics</i> , 2021, 21, 280.	1.7	4
89	Li-rich Giants in LAMOST Survey. III. The Statistical Analysis of Li-rich Giants. <i>Astrophysical Journal</i> , 2022, 931, 136.	4.5	4
90	Spectroscopic analysis of nearby lower-main-sequence stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 399, 1264-1274.	4.4	3

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91	Spectral identification of the u-band variable sources in two LAMOST fields. <i>Astrophysics and Space Science</i> , 2016, 361, 1.	1.4	3
92	Discovery of Nine Super Li-rich Unevolved Stars from the LAMOST Survey. <i>Astrophysical Journal Letters</i> , 2022, 929, L14.	8.3	3
93	Element Abundance Analysis of the Metal-rich Stellar Halo and High-velocity Thick Disk in the Galaxy. <i>Astrophysical Journal</i> , 2021, 915, 9.	4.5	2
94	The Milky Way Revealed by Variable Stars. I. Sample Selection of RR Lyrae Stars and Evidence for Merger History. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 20.	7.7	2
95	NLTE analysis of high-resolution H-band spectra IV: neutral copper. <i>Research in Astronomy and Astrophysics</i> , 2020, 20, 131.	1.7	1
96	A systematic study of NLTE abundances of nearby stars. <i>Proceedings of the International Astronomical Union</i> , 2013, 9, 400-400.	0.0	0
97	Statistical equilibrium of silicon in the atmospheres of cool stars. <i>Proceedings of the International Astronomical Union</i> , 2013, 9, 437-437.	0.0	0
98	Lithium-rich very metal-poor stars discovered with LAMOST and Subaru. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
99	Search for the metal-weak thick disk from the LAMOST DR5. <i>Research in Astronomy and Astrophysics</i> , 0, , .	1.7	0
100	Chemical abundances of three new Ba stars from the Keck/HIRES spectra. <i>Research in Astronomy and Astrophysics</i> , 2021, 21, 278.	1.7	0
101	Two new r-process-enhanced stars with $[Fe/H] \gtrsim 0.6$ dex from the LAMOST-MRS survey. <i>Research in Astronomy and Astrophysics</i> , 0, , .	1.7	0