Chao Liu

List of Publications by Year
in descending order

147 papers	6,782 citations	68294 39 h-index	50239 81 g-index
151 all docs	151 docs citations	151 times ranked	7102 citing authors

#	Article	IF	Citations
1	Measuring the Milky Way Vertical Potential with the Phase Snail in a Model-independent Way. Astrophysical Journal, 2024, 960, 133.	4.7	5
2	Northâ€“South asymmetries in the Galactic thin disc associated with the vertical phase spiral as seen using LAMOST-Gaia stars. Monthly Notices of the Royal Astronomical Society, 2024, 528, 3281-3293.	4.3	3
3	Stellar halo density with LAMOST K and M giants. Astronomy and Astrophysics, 2024, 684, A135.	5.4	0
4	A Classification Catalog of Periodic Variable Stars for LAMOST DR9 Based on Machine Learning. Astrophysical Journal, Supplement Series, 2024, 272, 1.	7.3	0
5	Detailed mapping of the Galactic disc structure in the solar neighbourhood through LAMOST K dwarfs. Monthly Notices of the Royal Astronomical Society, 2024, 531, 495-509.	4.3	0
6	Identification of A-type supergiants from LAMOST DR5. Monthly Notices of the Royal Astronomical Society, 2024, 531, 1244-1255.	4.3	0
7	A Catalog of Early-type Runaway Stars from LAMOST DR8. Astrophysical Journal, Supplement Series, 2024, 272, 45.	7.3	0
8	Stellar initial mass function varies with metallicity and time. Nature, 2023, 613, 460-462.	40.1	32
9	The Eclipsing Binaries from the LAMOST Medium-resolution Survey. III. A High-precision Empirical Stellar Mass Library. Astronomical Journal, 2023, 165, 30.	4.7	4
10	All Spectral Type LAMOST Spectra Library (ATLAS). Astrophysical Journal, Supplement Series, 2023, 265, 61.	7.3	4
11	A Catalog of Distance Determinations for the LAMOST DR8 K Giants in the Galactic Halo. Astronomical Journal, 2023, 165, 224.	4.7	3
12	The Eighteenth Data Release of the Sloan Digital Sky Surveys: Targeting and First Spectra from SDSS-V. Astrophysical Journal, Supplement Series, 2023, 267, 44.	7.3	82
13	A White Dwarf Search Model Based on a Deep Transfer-learning Method. Astrophysical Journal, Supplement Series, 2023, 268, 28.	7.3	3
14	PSF-based Analysis for Detecting Unresolved Wide Binaries. Astrophysical Journal, Supplement Series, 2023, 268, 37.	7.3	0
15	Exploring Asymmetric Substructures of the Outer Disk Based on the Conjugate Angle of the Radial Action. Astrophysical Journal, 2023, 956, 13.	4.7	0
16	Identify main-sequence binaries from the Chinese Space Station Telescope Survey with machine learning. Monthly Notices of the Royal Astronomical Society, 2023, , .	4.3	0
17	Planets Across Space and Time (PAST). IV. The Occurrence and Architecture of Kepler Planetary Systems as a Function of Kinematic Age Revealed by the LAMOSTâ€“Gaiaâ€“Kepler Sample. Astronomical Journal, 2023, 166, 243.	4.7	2
18	The evolution of hot Jupiters revealed by the age distribution of their host stars. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	7.7	6

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19	Calibration of metallicity of LAMOST M dwarf stars Using FGK+M wide binaries. Monthly Notices of the Royal Astronomical Society, 2023, , .	4.3	0
20	The Binarity of Early-type Stars from LAMOST medium-resolution Spectroscopic Survey. Research in Astronomy and Astrophysics, 2022, 22, 025009.	3.0	13
21	The Spectroscopic Binaries from the LAMOST Medium-resolution Survey. I. Searching for Double-lined Spectroscopic Binaries with a Convolutional Neural Network. Astrophysical Journal, Supplement Series, 2022, 258, 26.	7.3	17
22	A Robust Identification Method for Hot Subdwarfs Based on Deep Learning. Astrophysical Journal, Supplement Series, 2022, 259, 5.	7.3	6
23	A Catalog of LAMOST Variable Sources Based on Time-domain Photometry of ZTF. Astrophysical Journal, Supplement Series, 2022, 259, 11.	7.3	3
24	Overview of the LAMOST survey in the first decade. Innovation(China), 2022, 3, 100224.	6.3	41
25	Planets Across Space and Time (PAST). III. Morphology of the Planetary Radius Valley as a Function of Stellar Age and Metallicity in the Galactic Context Revealed by the LAMOST-Gaia-Kepler Sample. Astronomical Journal, 2022, 163, 249.	4.7	18
26	Searching Extra-tidal Features around the Globular Cluster Whiting 1. Astrophysical Journal, 2022, 930, 23.	4.7	2
27	Identification of New Classical Be Stars from the LAMOST Medium Resolution Survey. Astrophysical Journal, Supplement Series, 2022, 260, 35.	7.3	9
28	Mass-ratio Distribution of Binaries from the LAMOST-MRS Survey. Astrophysical Journal, 2022, 933, 119.	4.7	7
29	Milky Way mass with K giants and BHB stars using LAMOST, SDSS/SEGUE, and Gaia: 3D spherical Jeans equationÂand tracer mass estimator. Monthly Notices of the Royal Astronomical Society, 2022, 516, 731-748.	4.3	19
30	The North/South Asymmetry of the Galaxy: Possible Connection to the Vertical Phase-space Snail. Astrophysical Journal, 2022, 936, 103.	4.7	7
31	Chemical Composition of B-type Stars from LAMOST DR5. Astrophysical Journal, 2022, 937, 110.	4.7	3
32	Constructing the Milky Way Stellar Halo in the Galactic Center by Direct Orbit Integration. Astronomical Journal, 2022, 164, 241.	4.7	6
33	Is the Core-cusp Problem a Matter of Perspective? Jeans Anisotropic Modeling against Numerical Simulations. Astrophysical Journal, 2022, 941, 108.	4.7	3
34	Origins of B-type stars at high Galactic latitudes based on abundances and kinematics. Monthly Notices of the Royal Astronomical Society, 2022, 519, 995-1012.	4.3	2
35	Understanding the Velocity Distribution of the Galactic Bulge with APOGEE and Gaia. Astrophysical Journal, 2021, 908, 21.	4.7	5
36	Exploring the Galactic Anticenter Substructure with LAMOST and Gaia DR2. Astrophysical Journal, 2021, 910, 46.	4.7	13

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37	Eclipsing Binary Populations across the Northern Galactic Plane from the KISOGP Survey. Astronomical Journal, 2021, 161, 176.	4.7	8
38	Possible Evidence of Hydrogen Emission in the First-overtone and Multimode RR Lyrae Variables. Astrophysical Journal, 2021, 909, 25.	4.7	5
39	Planets Across Space and Time (PAST). I. Characterizing the Memberships of Galactic Components and Stellar Ages: Revisiting the Kinematic Methods and Applying to Planet Host Stars. Astrophysical Journal, 2021, 909, 115.	4.7	22
40	On the radial velocity calibrations in the LAMOST medium-resolution spectroscopic survey of nebulae. Research in Astronomy and Astrophysics, 2021, 21, 051.	3.0	9
41	Stellar Parameterization of LAMOST M Dwarf Stars. Astrophysical Journal, Supplement Series, 2021, 253, 45.	7.3	24
42	The Old Moving Groups in the Field of Taurus. Astrophysical Journal, Supplement Series, 2021, 254, 20.	7.3	17
43	Detection of the LMC-induced sloshing of the Galactic halo. Monthly Notices of the Royal Astronomical Society, 2021, 506, 2677-2684.	4.3	59
44	Planets Across Space and Time (PAST). II. Catalog and Analyses of the LAMOSTâ€“Gaiaâ€“Kepler Stellar Kinematic Properties. Astronomical Journal, 2021, 162, 100.	4.7	17
45	Blueshifted Hydrogen Emission and Shock Wave of RR Lyrae Variables in SDSS and LAMOST. Astrophysical Journal, 2021, 918, 3.	4.7	1
46	Constraints on the Assembly History of the Milky Way's Smooth, Diffuse Stellar Halo from the Metallicity-dependent, Radially Dominated Velocity Anisotropy Profiles Probed with K Giants and BHB Stars Using LAMOST, SDSS/SEGUE, and Gaia. Astrophysical Journal, 2021, 919, 66.	4.7	33
47	Self-consistent Stellar Radial Velocities from LAMOST Medium-resolution Survey DR7. Astrophysical Journal, Supplement Series, 2021, 256, 14.	7.3	48
48	The mass of the Milky Way out to 100Âkpc using halo stars. Monthly Notices of the Royal Astronomical Society, 2021, 501, 5964-5972.	4.3	62
49	Diagnosing Open Cluster Stock 2: Member Candidates and Mass Distribution with Gaia DR2 and LAMOST. Astronomical Journal, 2021, 161, 8.	4.7	8
50	Variable stars in the 50BiN open cluster survey. II. NGC 869. Research in Astronomy and Astrophysics, 2021, 21, 227.	3.0	3
51	The relative calibration of radial velocity for LAMOST medium resolution stellar spectra. Research in Astronomy and Astrophysics, 2021, 21, 265.	3.0	2
52	The Flare and Warp of the Young Stellar Disk Traced with LAMOST DR5 OB-type Stars. Astrophysical Journal, 2021, 922, 80.	4.7	13
53	Exploring the Stellar Rotation of Early-type Stars in the LAMOST Medium-resolution Survey. I. Catalog. Astrophysical Journal, Supplement Series, 2021, 257, 22.	7.3	12
54	LAMOST Time-Domain survey: first results of four K2 plates. Research in Astronomy and Astrophysics, 2021, 21, 292.	3.0	22

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55	Binary fraction of O and B-type stars from LAMOST data. Research in Astronomy and Astrophysics, 2021, 21, 272.	3.0	6
56	The Early-type Stars from the LAMOST Survey: Atmospheric Parameters. Astrophysical Journal, Supplement Series, 2021, 257, 54.	7.3	16
57	Measuring the local dark matter density with LAMOST DR5 and Gaia DR2. Monthly Notices of the Royal Astronomical Society, 2020, 495, 4828-4844.	4.3	40
58	Three new late-type hypervelocity star candidates from Gaia DR2 with refined selection criteria. Research in Astronomy and Astrophysics, 2020, 20, 042.	3.0	4
59	The Extended Gaiaâ€“PS1â€“SDSS (GPS1+) Proper Motion Catalog. Astrophysical Journal, Supplement Series, 2020, 248, 28.	7.3	6
60	On the Chemical and Kinematic Consistency between N-rich Metal-poor Field Stars and Enriched Populations in Globular Clusters. Astrophysical Journal, 2020, 891, 28.	4.7	17
61	Deriving the Stellar Labels of LAMOST Spectra with the Stellar LAbel Machine (SLAM). Astrophysical Journal, Supplement Series, 2020, 246, 9.	7.3	73
62	Discovery of Two Nearby Post-T Tauri Stellar Associations. Astronomical Journal, 2020, 159, 105.	4.7	8
63	Exploring the spectral information content in the LAMOST medium-resolution survey (MRS). Research in Astronomy and Astrophysics, 2020, 20, 051.	3.0	21
64	Differential Rotation of the Halo Traced by K-giant Stars. Astrophysical Journal, 2020, 899, 110.	4.7	10
65	The White Dwarf Binary Pathways Survey. V. The Gaia White Dwarf Plus AFGK Binary Sample and the Identification of 23 Close Binaries. Astrophysical Journal, 2020, 905, 38.	4.7	21
66	Exploring the Perturbed Milky Way Disk and the Substructures of the Outer Disk. Astrophysical Journal, 2020, 905, 6.	4.7	30
67	Non-LTE Analyses of High-resolution H-band Spectra. III. Neutral and Singly Ionized Calcium. Astrophysical Journal, 2019, 881, 77.	4.7	4
68	Revealing the Complicated Story of the Cetus Stream with StarGO. Astrophysical Journal, 2019, 881, 164.	4.7	25
69	Identifying Galactic Halo Substructure in 6D Phase Space Using â^¼13,000 LAMOST K Giants. Astrophysical Journal, 2019, 880, 65.	4.7	17
70	Chemical and Kinematic Analysis of CN-strong Metal-poor Field Stars in LAMOST DR3. Astrophysical Journal, 2019, 871, 58.	4.7	24
71	Rotating Halo Traced by the K-giant Stars from LAMOST and Gaia. Astrophysical Journal, 2019, 871, 184.	4.7	26
72	Frequent Flare Events on the Short-period M-type Eclipsing Binary BX Tri. Astrophysical Journal, 2019, 871, 203.	4.7	8

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73	Detecting the Sagittarius Stream with LAMOST DR4 M Giants and Gaia DR2. Astrophysical Journal, 2019, 874, 138.	4.7	26
74	A Catalog of OB Stars from LAMOST Spectroscopic Survey. Astrophysical Journal, Supplement Series, 2019, 241, 32.	7.3	48
75	Anisotropy of the Milky Wayâ€™s Stellar Halo Using K Giants from LAMOST and Gaia. Astronomical Journal, 2019, 157, 104.	4.7	53
76	SDSS-IV MaNGA: Environmental Dependence of the Mgb/ â€“ Relation for Nearby Galaxies. Astrophysical Journal, 2019, 873, 63.	4.7	13
77	Ripple Patterns in In-plane Velocities of OB Stars from LAMOST and Gaia. Astrophysical Journal Letters, 2019, 872, L1.	10.5	19
78	A 3D map of the Milky Wayâ€™s disk as traced by classical Cepheids. Proceedings of the International Astronomical Union, 2019, 14, 6-9.	0.1	2
79	Tracing Kinematic and Chemical Properties of Sagittarius Stream by K-Giants, M-Giants, and BHB stars. Astrophysical Journal, 2019, 886, 154.	4.7	28
80	Tracing the rotational velocity of the halo with K-giant stars in LAMOST-Gaia era. Proceedings of the International Astronomical Union, 2019, 14, 57-58.	0.1	0
81	SDSS-IV MaStar: A Large and Comprehensive Empirical Stellar Spectral Libraryâ€”First Release. Astrophysical Journal, 2019, 883, 175.	4.7	80
82	An intuitive 3D map of the Galactic warpâ€™s precession traced by classical Cepheids. Nature Astronomy, 2019, 3, 320-325.	6.9	91
83	Galactic mass and anisotropy profile with halo K-giant and blue horizontal branch stars from LAMOST/SDSS and Gaia. Proceedings of the International Astronomical Union, 2019, 14, 91-95.	0.1	0
84	Misclassified B Stars in the Kepler Field. Astrophysical Journal, 2018, 854, 168.	4.7	11
85	The ageâ€“velocity dispersion relation of the Galactic discs from LAMOSTâ€“Gaia data. Monthly Notices of the Royal Astronomical Society, 2018, 475, 1093-1103.	4.3	64
86	Mapping the Milky Way with LAMOST â€“ II. The stellar halo. Monthly Notices of the Royal Astronomical Society, 2018, 473, 1244-1257.	4.3	28
87	Carbon Stars Identified from LAMOST DR4 Using Machine Learning. Astrophysical Journal, Supplement Series, 2018, 234, 31.	7.3	45
88	Time Stamps of Vertical Phase Mixing in the Galactic Disk from LAMOST/Gaia Stars. Astrophysical Journal Letters, 2018, 865, L19.	10.5	33
89	The R-Process Alliance: 2MASS J09544277+5246414, the Most Actinide-enhanced R-II Star Known. Astrophysical Journal Letters, 2018, 859, L24.	10.5	66
90	Mapping the Milky Way with LAMOSTâ€“ III. Complicated spatial structure in the outer disc. Monthly Notices of the Royal Astronomical Society, 2018, 478, 3367-3379.	4.3	60

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91	Discovery and characterization of 3000+ main-sequence binaries from APOGEE spectra. Monthly Notices of the Royal Astronomical Society, 2018, 476, 528-553.	4.3	87
92	Label Transfer from APOGEE to LAMOST: Precise Stellar Parameters for 450,000 LAMOST Giants. Astrophysical Journal, 2017, 836, 5.	4.7	95
93	NLTE ANALYSIS OF HIGH-RESOLUTION H-BAND SPECTRA. II. NEUTRAL MAGNESIUM*. Astrophysical Journal, 2017, 835, 90.	4.7	16
94	The Local Spiral Arm in the LAMOST-Gaia Common Stars?. Astrophysical Journal Letters, 2017, 835, L18.	10.5	16
95	Masses and Ages for 230,000 LAMOST Giants, via Their Carbon and Nitrogen Abundances. Astrophysical Journal, 2017, 841, 40.	4.7	59
96	AGaia-PS1-SDSS (GPS1) Proper Motion Catalog Covering 3/4 of the Sky. Astrophysical Journal, Supplement Series, 2017, 232, 4.	7.3	43
97	Chemical Abundances and Ages of the Bulge Stars in APOGEE High-velocity Peaks. Astrophysical Journal, 2017, 847, 74.	4.7	7
98	Torus models of the outer disc of the Milky Way using LAMOST survey data. Monthly Notices of the Royal Astronomical Society, 2017, 470, 2949-2958.	4.3	10
99	The 13th Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the SDSS-IV Survey Mapping Nearby Galaxies at Apache Point Observatory. Astrophysical Journal, Supplement Series, 2017, 233, 25.	7.3	433
100	Peculiar in-plane velocities in the outer disc of the Milky Way. Research in Astronomy and Astrophysics, 2017, 17, 114.	3.0	21
101	Mira Variable Stars from LAMOST DR4 Data: Emission Features, Temperature Types, and Candidate Selection. Astrophysical Journal, Supplement Series, 2017, 232, 16.	7.3	13
102	Sloan Digital Sky Survey IV: Mapping the Milky Way, Nearby Galaxies, and the Distant Universe. Astronomical Journal, 2017, 154, 28.	4.7	1,214
103	Red Clump Stars from LAMOST II: the outer disc of the Milky Way. Research in Astronomy and Astrophysics, 2017, 17, 079.	3.0	14
104	The Spatial Structure of the Galactic outer disk with LAMOST DR3 K giant stars. Proceedings of the International Astronomical Union, 2017, 13, 378-380.	0.1	2
105	Mapping the Milky Way with LAMOST I: method and overview. Research in Astronomy and Astrophysics, 2017, 17, 096.	3.0	40
106	Detect the density profile with LAMOST K giants. Proceedings of the International Astronomical Union, 2017, 13, 387-388.	0.1	0
107	Rediscovering the Galactic outer disk with LAMOST data. Proceedings of the International Astronomical Union, 2017, 13, 109-115.	0.1	5
108	NLTE ANALYSIS OF HIGH-RESOLUTION H-BAND SPECTRA. I. NEUTRAL SILICON*. Astrophysical Journal, 2016, 833, 137.	4.7	21

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109	CHARACTERIZING THE SHARDS OF DISRUPTED MILKY WAY SATELLITES WITH LAMOST. Astrophysical Journal, 2016, 822, 16.	4.7	7
110	SELECTING M GIANTS WITH INFRARED PHOTOMETRY: DISTANCES, METALLICITIES, AND THE SAGITTARIUS STREAM. Astrophysical Journal, 2016, 823, 59.	4.7	32
111	CARBON STARS FROM LAMOST DR2 DATA. Astrophysical Journal, Supplement Series, 2016, 226, 1.	7.3	26
112	CALIBRATION OF LAMOST STELLAR SURFACE GRAVITIES USING THE KEPLER ASTEROSEISMIC DATA. Astronomical Journal, 2016, 152, 6.	4.7	22
113	HOT SUBDWARF STARS OBSERVED IN LAMOST DR1â€"ATMOSPHERIC PARAMETERS FROM SINGLE-LINED SPECTRA. Astrophysical Journal, 2016, 818, 202.	4.7	42
114	The age-kinematical features in the Milky Way outer disk. Proceedings of the International Astronomical Union, 2016, 11, 6-9.	0.1	5
115	Determining the local dark matter density with LAMOST data. Monthly Notices of the Royal Astronomical Society, 2016, 458, 3839-3850.	4.3	44
116	Measure the local dark matter density with LAMOST spectroscopic survey. Proceedings of the International Astronomical Union, 2015, 11, 330-331.	0.1	0
117	THE STELLAR KINEMATICS IN THE SOLAR NEIGHBORHOOD FROM LAMOST DATA. Astrophysical Journal, 2015, 809, 145.	4.7	88
118	Candidate members of star clusters from LAMOST DR2. Research in Astronomy and Astrophysics, 2015, 15, 1197-1208.	3.0	6
119	Spectral classification of stars based on LAMOST spectra. Research in Astronomy and Astrophysics, 2015, 15, 1137-1153.	3.0	36
120	Red clump stars from the LAMOST data I: identification and distance. Research in Astronomy and Astrophysics, 2015, 15, 1166-1181.	3.0	22
121	RINGS AND RADIAL WAVES IN THE DISK OF THE MILKY WAY. Astrophysical Journal, 2015, 801, 105.	4.7	196
122	KINEMATICS OF THE X-SHAPED MILKY WAY BULGE: EXPECTATIONS FROM A SELF-CONSISTENTN-BODY MODEL. Astrophysical Journal, 2015, 808, 75.	4.7	21
123	ASTEROSEISMIC-BASED ESTIMATION OF THE SURFACE GRAVITY FOR THE LAMOST GIANT STARS. Astrophysical Journal, 2015, 807, 4.	4.7	56
124	The first data release (DR1) of the LAMOST regular survey. Research in Astronomy and Astrophysics, 2015, 15, 1095-1124.	3.0	619
125	ESTIMATION OF DISTANCES TO STARS WITH STELLAR PARAMETERS FROM LAMOST. Astronomical Journal, 2015, 150, 4.	4.7	38
126	The velocity distribution in the solar neighbourhood from the LAMOST pilot survey. Monthly Notices of the Royal Astronomical Society, 2015, 447, 2367-2377.	4.3	11

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127	THE BINARITY OF MILKY WAY F,G,K STARS AS A FUNCTION OF EFFECTIVE TEMPERATURE AND METALLICITY. Astrophysical Journal Letters, 2014, 788, L37.	10.5	59
128	THE NEAREST HIGH-VELOCITY STARS REVEALED BY LAMOST DATA RELEASE 1. Astrophysical Journal Letters, 2014, 789, L2.	10.5	36
129	THE K GIANT STARS FROM THE LAMOST SURVEY DATA. I. IDENTIFICATION, METALLICITY, AND DISTANCE. Astrophysical Journal, 2014, 790, 110.	4.7	82
130	THE FIRST HYPERVELOCITY STAR FROM THE LAMOST SURVEY. Astrophysical Journal Letters, 2014, 785, L23.	10.5	56
131	Exploring the total Galactic extinction with SDSS BHB stars. Astronomy and Astrophysics, 2014, 561, A142.	5.4	10
132	SUBSTRUCTURE IN BULK VELOCITIES OF MILKY WAY DISK STARS. Astrophysical Journal Letters, 2013, 777, L5.	10.5	124
133	THE GRAVITATIONAL POTENTIAL NEAR THE SUN FROM SEGUE K-DWARF KINEMATICS. Astrophysical Journal, 2013, 772, 108.	4.7	125
134	The 3-D extinction law in the 2nd quadrant of the Galactic disk. Proceedings of the International Astronomical Union, 2013, 9, 423-423.	0.1	0
135	The Galactic rotation curve from red clump stars. Proceedings of the International Astronomical Union, 2013, 9, 424-424.	0.1	0
136	The identification of K giant stars in LAMOST pilot survey. Proceedings of the International Astronomical Union, 2013, 9, 425-425.	0.1	0
137	The Velocity Distribution in the Solar Neighborhood from LAMOST Pilot Survey. Proceedings of the International Astronomical Union, 2013, 9, 447-447.	0.1	0
138	The site conditions of the Guo Shou Jing Telescope. Research in Astronomy and Astrophysics, 2012, 12, 772-780.	3.0	29
139	An algorithm for preferential selection of spectroscopic targets in LEGUE. Research in Astronomy and Astrophysics, 2012, 12, 755-771.	3.0	31
140	THE SPATIAL STRUCTURE OF MONO-ABUNDANCE SUB-POPULATIONS OF THE MILKY WAY DISK. Astrophysical Journal, 2012, 753, 148.	4.7	356
141	Chemo-orbital evidence from SDSS/SEGUE G-type dwarf stars for a mixed origin of the Milky Way's thick disc. Monthly Notices of the Royal Astronomical Society, 2012, 425, 2144-2156.	4.3	47
142	A new determination of the local dark matter density from the kinematics of K dwarfs. Monthly Notices of the Royal Astronomical Society, 2012, 425, 1445-1458.	4.3	127
143	LAMOST Experiment for Galactic Understanding and Exploration (LEGUE) â€" The survey's science plan. Research in Astronomy and Astrophysics, 2012, 12, 735-754.	3.0	431
144	A RESONANT FEATURE NEAR THE PERSEUS ARM REVEALED BY RED CLUMP STARS. Astrophysical Journal Letters, 2012, 753, L24.	10.5	23

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145	QUANTIFYING KINEMATIC SUBSTRUCTURE IN THE MILKY WAY'S STELLAR HALO. Astrophysical Journal, 2011, 738, 79.	4.7	129
146	OBSERVATIONAL EVIDENCE FROM SDSS FOR A MERGER ORIGIN OF THE MILKY WAY'S THICK DISK. Astrophysical Journal Letters, 2010, 725, L186-L190.	10.5	43
147	Detecting shock waves in non-fundamental mode RR Lyrae using large sample of spectra in SDSS and LAMOST. Communications of the Byurakan Astrophysical Observatory, 0, , 181-186.	0.0	1