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The Apache Point Observatory Galactic Evolution Experiment (APOGEE)

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881	Non-local Thermodynamic Equilibrium Stellar Spectroscopy with 1D and rangle Models. I. Methods and Application to Magnesium Abundances in Standard Stars. 2017 , 847, 15		37
880	Chemical Abundances and Ages of the Bulge Stars in APOGEE High-velocity Peaks. 2017 , 847, 74		6
879	Light and Heavy Element Abundance Variations in the Outer Halo Globular Cluster NGC 6229. <i>Astronomical Journal</i> , 2017 , 154, 155	4.9	19
878	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. 2017 , 233, 25		284
877	Detailed Abundances for the Old Population near the Galactic Center. I. Metallicity Distribution of the Nuclear Star Cluster. <i>Astronomical Journal</i> , 2017 , 154, 239	4.9	28
876	Measuring 14 Elemental Abundances with R = 1800 LAMOST Spectra. 2017 , 849, L9		29
875	The Chemical Abundance Structure of the Inner Milky Way: A Signature of Upside-down Disk Formation. 2017 , 849, 17		6
874	The AMBRE project: chemical evolution models for the Milky Way thick and thin discs. 2017 , 472, 3637-3647		50
873	Using N-body simulations to understand the chemo-dynamical evolution of the inner Milky Way. 2017 , 13, 65-72		1
872	The DR14 APOGEE-TGAS catalogue: Precise chemo-kinematics in the extended solar vicinity. 2017 , 13, 153-157		1
871	IN-SYNC. VII. Evidence for a Decreasing Spectroscopic Binary Fraction (from 1 to 100 Myr) within the IN-SYNC Sample. 2017 , 851, 14		3
870	The dimensionality of stellar chemical space using spectra from the Apache Point Observatory Galactic Evolution Experiment. 2018 , 475, 1410-1425		23
869	StarHorse: a Bayesian tool for determining stellar masses, ages, distances, and extinctions for field stars. 2018 , 476, 2556-2583		94
868	A Disk Origin for the Monoceros Ring and A13 Stellar Overdensities. 2018 , 854, 47		29

867	Atmospheric stellar parameters for large surveys using FASMA, a new spectral synthesis package. 2018 , 473, 5066-5097		13
866	KELT-21b: A Hot Jupiter Transiting the Rapidly Rotating Metal-poor Late-A Primary of a Likely Hierarchical Triple System. <i>Astronomical Journal</i> , 2018 , 155, 100	4.9	43
865	The velocity ellipsoid in the Galactic disc using Gaia DR1. 2018 , 474, 854-865		19
864	The GALAH survey: properties of the Galactic disc(s) in the solar neighbourhood. 2018 , 476, 5216-5232		29
863	Chemical Abundances of Main-sequence, Turnoff, Subgiant, and Red Giant Stars from APOGEE Spectra. I. Signatures of Diffusion in the Open Cluster M67. 2018 , 857, 14		40
862	Vanadium Transitions in the Spectrum of Arcturus. 2018 , 234, 25		9
861	Galactic Doppelgänger: The Chemical Similarity Among Field Stars and Among Stars with a Common Birth Origin. 2018 , 853, 198		50
860	Disentangling the Galactic Halo with APOGEE. II. Chemical and Star Formation Histories for the Two Distinct Populations. 2018 , 852, 50		35
859	Elemental Abundances of Kepler Objects of Interest in APOGEE. I. Two Distinct Orbital Period Regimes Inferred from Host Star Iron Abundances. <i>Astronomical Journal</i> , 2018 , 155, 68	4.9	45
858	Outbursts and Disk Variability in Be Stars. <i>Astronomical Journal</i> , 2018 , 155, 53	4.9	22
857	An application of deep learning in the analysis of stellar spectra. 2018 , 475, 2978-2993		41
856	The Data-Driven Approach to Spectroscopic Analyses. 2018 , 35,		7
855	The Rotation of M Dwarfs Observed by the Apache Point Galactic Evolution Experiment. <i>Astronomical Journal</i> , 2018 , 155, 38	4.9	8
854	The Bulge Metallicity Distribution from the APOGEE Survey. 2018 , 852, 91		29
853	Disentangling the Galactic Halo with APOGEE. I. Chemical and Kinematical Investigation of Distinct Metal-poor Populations. 2018 , 852, 49		89
852	Impact of Distance Determinations on Galactic Structure. I. Young and Intermediate-Age Tracers. 2018 , 214, 1		15
851	Massive Stars in the SDSS-IV/APOGEE SURVEY. I. OB Stars. 2018 , 855, 68		12
850	Stellar Multiplicity Meets Stellar Evolution and Metallicity: The APOGEE View. 2018 , 854, 147		64

849	The Metal-poor non-Sagittarius (?) Globular Cluster NGC 5053: Orbit and Mg, Al, and Si Abundances. 2018 , 855, 38		20
848	Unmixing the Galactic halo with RR Lyrae tagging. 2018 , 477, 1472-1483		23
847	Temporal Variations of Telluric Water Vapor Absorption at Apache Point Observatory. 2018 , 130, 014501		3
846	Chemodynamical Clustering Applied to APOGEE Data: Rediscovering Globular Clusters. 2018 , 860, 70		9
845	Actions Are Weak Stellar Age Indicators in the Milky Way Disk. 2018 , 867, 31		8
844	IN-SYNC. VIII. Primordial Disk Frequencies in NGC 1333, IC 348, and the Orion A Molecular Cloud. 2018 , 869, 72		9
843	Riding the kinematic waves in the Milky Way disk with Gaia. 2018 , 619, A72		43
842	Chemo-kinematics of the Milky Way from the SDSS-III MARVELS survey. 2018 , 481, 3244-3265		14
841	Forty-four New and Known M-dwarf Multiples in the SDSS-III/APOGEE M-dwarf Ancillary Science Sample. <i>Astronomical Journal</i> , 2018 , 156, 45	4.9	6
840	Unbiased TGAS+AMOST distances and the role of binarity. 2018 , 481, 2970-2980		14
839	The mass of the Galactic dark matter halo from ~9000 LAMOST DR5 K giants. 2018 , 18, 113		5
838	The Laboratory Astrophysics Spectroscopy Programme at Imperial College London. 2018 , 6, 109		4
837	Binary Companions of Evolved Stars in APOGEE DR14: Search Method and Catalog of ~5000 Companions. <i>Astronomical Journal</i> , 2018 , 156, 18	4.9	1182
836	On the Optimal Choice of Nucleosynthetic Yields, Initial Mass Function, and Number of SNe Ia for Chemical Evolution Modeling. 2018 , 861, 40		12
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834	Optical High-resolution Spectroscopy of 14 Young Rich Stars. 2018 , 860, 49		10
833	The dynamically selected stellar halo of the Galaxy with Gaia and the tilt of the velocity ellipsoid. 2018 , 615, A70		29
832	Exploring the stellar properties of M dwarfs with high-resolution spectroscopy from the optical to the near-infrared. 2018 , 620, A180		31

831	Incidence of planet candidates in open clusters and a planet confirmation. 2018 , 620, A139	2
830	The first 62 AGN observed with SDSS-IV MaNGA III. Resolved stellar populations. 2018 , 478, 5491-5504	24
829	The Remarkable Be+sdOB Binary HD 55606. I. Orbital and Stellar Parameters. 2018 , 865, 76	19
828	A chemical study of M67 candidate blue stragglers and evolved blue stragglers observed with APOGEE DR14. 2018 , 480, 4314-4326	7
827	The role of AGB stars in the evolution of globular clusters. 2018 , 14, 291-300	
826	Atomic data for stellar spectroscopy. 2018 , 14, 458-462	1
825	The fastest travel together: chemical tagging of the fastest stars in Gaia DR2 to the stellar halo. 2018 , 481, 1028-1040	24
824	Gaia Data Release 2. 2018 , 616, A11	237
823	Chemical characterization of the inner Galactic bulge: North-South symmetry. 2018 , 478, 4374-4389	12
822	Gaia-ESO Survey: INTRIGOSSA New Library of High-resolution Synthetic Spectra. 2018 , 862, 146	8
821	The selection function of the LAMOST Spectroscopic Survey of the Galactic Anti-centre. 2018 , 476, 3278-3289	14
820	Effective temperatures of red giants in the APOKASC catalogue and the mixing length calibration in stellar models. 2018 , 612, A68	16
819	Orbital decay in binaries containing post-main-sequence stars. 2018 , 481, 4077-4092	21
818	NGC 6705 a young β -enhanced open cluster from OCCASO data. 2018 , 610, A66	10
817	Isochrone ages for ~3 million stars with the second Gaia data release. 2018 , 481, 4093-4110	78
816	Gaia DR2 proper motions of dwarf galaxies within 420 kpc. 2018 , 619, A103	149
815	The Gaia-ESO Survey: The N/O abundance ratio in the Milky Way. 2018 , 618, A102	14
814	Properties and Occurrence Rates for Kepler Exoplanet Candidates as a Function of Host Star Metallicity from the DR25 Catalog. <i>Astronomical Journal</i> , 2018 , 156, 221	4.9 30

813	Binary Companions of Evolved Stars in APOGEE DR14: Orbital Circularization. 2018 , 867, 5		19
812	Comprehensive comparison between APOGEE and LAMOST. 2018 , 620, A76		21
811	Photospheric properties and fundamental parameters of M dwarfs. 2018 , 610, A19		22
810	New ultra-cool and brown dwarf candidates in Gaia DR2. 2018 , 619, L8		20
809	The Second APOKASC Catalog: The Empirical Approach. 2018 , 239, 32		112
808	Holistic spectroscopy: complete reconstruction of a wide-field, multiobject spectroscopic image using a photonic comb. 2018 , 480, 5475-5494		5
807	Kinetic Tomography. II. A Second Method for Mapping the Velocity Field of the Milky Way Interstellar Medium and a Comparison with Spiral Structure Models. <i>Astronomical Journal</i> , 2018 , 156, 248	4.9	6
806	Inference of Stellar Parameters from Brightness Variations. 2018 , 866, 15		3
805	The Open Cluster Chemical Abundances and Mapping Survey. II. Precision Cluster Abundances for APOGEE Using SDSS DR14. <i>Astronomical Journal</i> , 2018 , 156, 142	4.9	35
804	The GALAH survey: verifying abundance trends in the open cluster M67 using non-LTE modelling. 2018 , 481, 2666-2684		32
803	Measuring Radial Orbit Migration in the Galactic Disk. 2018 , 865, 96		68
802	Star formation history of the Galactic bulge from deep HST imaging of low reddening windows. 2018 , 477, 3507-3519		38
801	Binary Star Fractions from the LAMOST DR4. 2018 , 18, 052		10
800	The APOGEE-2 Survey of the Orion Star-forming Complex. II. Six-dimensional Structure. <i>Astronomical Journal</i> , 2018 , 156, 84	4.9	156
799	Chemical Compositions of Evolved Stars from Near-infrared IGRINS High-resolution Spectra. I. Abundances in Three Red Horizontal Branch Stars. 2018 , 865, 44		9
798	Evidence against Anomalous Compositions for Giants in the Galactic Nuclear Star Cluster. 2018 , 866, 52		12
797	Three-dimensional maps of interstellar dust in the Local Arm: using Gaia, 2MASS, and APOGEE-DR14. 2018 , 616, A132		87
796	Detection of the Milky Way spiral arms in dust from 3D mapping. 2018 , 618, A168		19

795	High-precision stellar abundances of the elements: methods and applications. 2018 , 26, 1	45
794	LAMOST Observations in the Kepler Field. II. Database of the Low-resolution Spectra from the Five-year Regular Survey. 2018 , 238, 30	33
793	Mixing of metals during star cluster formation: statistics and implications for chemical tagging. 2018 , 481, 5000-5013	17
792	Age-resolved chemistry of red giants in the solar neighbourhood. 2018 , 477, 2326-2348	36
791	Phylogeny of the Milky Way's inner disk and bulge populations: Implications for gas accretion, (the lack of) inside-out thick disk formation, and quenching. 2018 , 618, A78	30
790	The Origin of the 300 km s ⁻¹ Stream near Segue 1. 2018 , 866, 42	5
789	The merger that led to the formation of the Milky Way's inner stellar halo and thick disk. 2018 , 563, 85-88	470
788	Machine learning in APOGEE. 2018 , 612, A98	10
787	Old-Aged Primary Distance Indicators. 2018 , 214, 1	38
786	Searching for a kinematic signature of the moderately metal-poor stars in the Milky Way bulge using N-body simulations. 2018 , 615, A100	7
785	Aurigaia: mock Gaia DR2 stellar catalogues from the auriga cosmological simulations. 2018 , 481, 1726-1743	30
784	The origin of diverse Element abundances in galaxy discs. 2018 , 477, 5072-5089	52
783	The disc origin of the Milky Way bulge. 2018 , 616, A180	42
782	Empirical Relations for the Accurate Estimation of Stellar Masses and Radii. 2018 , 237, 21	16
781	Gaia Data Release 2. 2018 , 616, A5	96
780	The Gaia-ESO Survey: a kinematical and dynamical study of four young open clusters. 2018 , 615, A37	22
779	Kepler-503b: An Object at the Hydrogen Burning Mass Limit Orbiting a Subgiant Star. 2018 , 861, L4	11
778	On the Radial Metallicity Gradient and Radial Migration Effect of the Galactic Disk. 2018 , 863, 93	4

777	APOGEE Data Releases 13 and 14: Stellar Parameter and Abundance Comparisons with Independent Analyses. <i>Astronomical Journal</i> , 2018 , 156, 126	4.9	88
776	APOGEE Data Releases 13 and 14: Data and Analysis. <i>Astronomical Journal</i> , 2018 , 156, 125	4.9	170
775	The Nature of the Triangulum-Andromeda Stellar Structures. 2018 , 14, 122-124		
774	Clustering in the stellar abundance space. 2018 , 474, 4010-4023		6
773	The Hercules stream as seen by APOGEE-2 South. 2018 , 474, 95-101		22
772	12C/13C isotopic ratios in red-giant stars of the open cluster NGC 6791. 2018 , 474, 4810-4817		11
771	A view of the H-band light-element chemical patterns in globular clusters under the AGB self-enrichment scenario. 2018 , 475, 3098-3116		19
770	The vertical metallicity gradients of mono-age stellar populations in the Milky Way with the RAVE and Gaia data. 2018 , 475, 1203-1212		5
769	Kron 3: a fourth intermediate age cluster in the SMC with evidence of multiple populations. 2018 , 476, 114-121		16
768	Discovery and characterization of 3000+ main-sequence binaries from APOGEE spectra. 2018 , 476, 528-553		51
767	Correlations between age, kinematics, and chemistry as seen by the RAVE survey. 2018 , 477, 5612-5624		11
766	The Initial Mass Function of the First Stars Inferred from Extremely Metal-poor Stars. 2018 , 857, 46		59
765	Spectroscopy of Dwarf Stars Around the North Celestial Pole. 2018 , 130, 074202		9
764	The Formation and Evolution of Galactic Disks with APOGEE and the Gaia Survey. 2018 , 860, 53		20
763	The Gaia-ESO Survey: evidence of atomic diffusion in M67?. 2018 , 478, 425-438		27
762	Disk stars in the Milky Way detected beyond 25 kpc from its center. 2018 , 612, L8		13
761	The vertical force in the solar neighbourhood using red clump stars in TGAS and RAVE. 2018 , 615, A99		20
760	The formation of solar-neighbourhood stars in two generations separated by 5 billion years. 2018 , 559, 585-588		18

759	Disk-like Chemistry of the Triangulum-Andromeda Overdensity as Seen by APOGEE. 2018 , 859, L8		18
758	Chemodynamical History of the Galactic Bulge. 2018 , 56, 223-276		100
757	Updating the MACHO fraction of the Milky Way dark halowith improved mass models. 2018 , 479, 2889-2905		36
756	Where are the most ancient stars in the Milky Way?. 2018 , 480, 652-668		63
755	Stars Behind Bars. I. The Milky Way's Central Stellar Populations. 2018 , 861, 88		27
754	A Chemical and Kinematical Analysis of the Intermediate-age Open Cluster IC 166 from APOGEE and Gaia DR2. <i>Astronomical Journal</i> , 2018 , 156, 94	4-9	8
753	Stellar Populations in the Outer Disk and Halo of the Spiral Galaxy M101. 2018 , 862, 99		10
752	A Large and Pristine Sample of Standard Candles across the Milky Way: ~100,000 Red Clump Stars with 3% Contamination. 2018 , 858, L7		38
751	The APOGEE-2 Survey of the Orion Star-forming Complex. I. Target Selection and Validation with Early Observations. 2018 , 236, 27		16
750	Signatures of the Galactic bar on stellar kinematics unveiled by APOGEE. 2018 , 478, 1231-1243		3
749	The Fourteenth Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the Extended Baryon Oscillation Spectroscopic Survey and from the Second Phase of the Apache Point Observatory Galactic Evolution Experiment. 2018 , 235, 42		657
748	Estimating stellar birth radii and the time evolution of Milky Way's ISM metallicity gradient. 2018 , 481, 1645-1657		72
747	In Disguise or Out of Reach: First Clues about In Situ and Accreted Stars in the Stellar Halo of the Milky Way from Gaia DR2. 2018 , 863, 113		137
746	A New Catalog of Radial Velocity Standard Stars from the APOGEE Data. <i>Astronomical Journal</i> , 2018 , 156, 90	4-9	25
745	A photometric study of globular clusters observed by the APOGEE survey. 2018 , 475, 1633-1645		4
744	Descendants of the first stars: the distinct chemical signature of second-generation stars. 2018 , 478, 1795-1810		47
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741	Masses and ages for metal-poor stars. 2019 , 627, A173	16
740	Machine-learning Regression of Stellar Effective Temperatures in the Second Gaia Data Release. <i>Astronomical Journal</i> , 2019 , 158, 93	4-9 22
739	Non-LTE Analyses of High-resolution H-band Spectra. III. Neutral and Singly Ionized Calcium. 2019 , 881, 77	3
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737	Spatial variations in the Milky Way disc metallicity-age relation. 2019 , 489, 1742-1752	34
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735	H-band discovery of additional second-generation stars in the Galactic bulge globular cluster NGC 6522 as observed by APOGEE and Gaia. 2019 , 627, A178	18
734	Origin of β -rich young stars: clues from C, N, and O. 2019 , 487, 4343-4354	14
733	NIHAO XVI: the properties and evolution of kinematically selected discs, bulges, and stellar haloes. 2019 , 487, 4424-4456	17
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731	The origin of stellar populations in the Galactic bulge from chemical abundances. 2019 , 487, 5363-5371	23
730	The Vertical Motion History of Disk Stars throughout the Galaxy. 2019 , 878, 21	33
729	938,720 Giants from LAMOST I: Determination of Stellar Parameters and β C, N Abundances with Deep Learning. 2019 , 131, 094202	7
728	The COMBS survey I. Chemical origins of metal-poor stars in the Galactic bulge. 2019 , 488, 2283-2300	12
727	Milky Way Tomography with the SkyMapper Southern Survey. I. Atmospheric Parameters and Distances of One Million Red Giants. 2019 , 243, 7	9
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725	Dynamical heating across the Milky Way disc using APOGEE and Gaia. 2019 , 489, 176-195	67
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720	OCCASO III. Iron peak and α -elements of 18 open clusters. Comparison with chemical evolution models and field stars. 2019 , 490, 1821-1842		17
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715	Discovery of a New Stellar Subpopulation Residing in the (Inner) Stellar Halo of the Milky Way. 2019 , 886, L8		22
714	Spectrophotometric Parallaxes with Linear Models: Accurate Distances for Luminous Red-giant Stars. <i>Astronomical Journal</i> , 2019 , 158, 147	4.9	22
713	On the Use of Field RR Lyrae as Galactic Probes. I. The Oosterhoff Dichotomy Based on Fundamental Variables. 2019 , 882, 169		27
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708	APOGEE/Kepler Overlap Yields Orbital Solutions for a Variety of Eclipsing Binaries. <i>Astronomical Journal</i> , 2019 , 158, 106	4.9	5
707	High- and Low-Disk Stars Separate Dynamically at All Ages. 2019 , 880, 134		7
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703	A rogues gallery of Andromeda's dwarf galaxies III. Precise distances to 17 faint satellites. 2019 , 489, 763-770	11
702	Chemodynamics of newly identified giants with a globular cluster like abundance patterns in the bulge, disc, and halo of the Milky Way. 2019 , 488, 2864-2880	29
701	Abundances of Process Elements in Thin-Disk, Thick-Disk, and Halo Stars of the Galaxy: Non-LTE Analysis. 2019 , 63, 726-738	4
700	The Gaia-ESO survey: Calibrating a relationship between age and the $[C/N]$ abundance ratio with open clusters. 2019 , 629, A62	21
699	The extraplanar type II supernova ASASSN-14jb in the nearby edge-on galaxy ESO 467-G051. 2019 , 629, A57	5
698	Revisiting long-standing puzzles of the Milky Way: the Sun and its vicinity as typical outer disk chemical evolution. 2019 , 625, A105	30
697	The tilt of the velocity ellipsoid in the Milky Way with Gaia DR2. 2019 , 629, A70	9
696	HIDES spectroscopy of bright detached eclipsing binaries from the Kepler field III. Spectral analysis, updated parameters and new systems. 2019 , 484, 451-475	17
695	APOGEE DR14/DR15 Abundances in the Inner Milky Way. 2019 , 870, 138	33
694	Chemical and Kinematic Analysis of CN-strong Metal-poor Field Stars in LAMOST DR3. 2019 , 871, 58	18
693	Fe I Lines in $0.91 \pm 0.33 \text{ m}$ Spectra of Red Giants for Measuring the Microturbulence and Metallicities. 2019 , 875, 129	7
692	Rapid Rotation in the Kepler Field: Not a Single Star Phenomenon. 2019 , 871, 174	20
691	Exploring the Very Extended Low-surface-brightness Stellar Populations of the Large Magellanic Cloud with SMASH. 2019 , 874, 118	27
690	The ASAS-SN catalogue of variable stars IV. Periodic variables in the APOGEE survey. 2019 , 487, 5932-5945	18
689	A catalog of spectroscopic binary candidate stars derived from a comparison of Gaia DR2 with other radial velocity catalogs. 2019 , 340, 386-397	1
688	The metal-rich halo tail extended in $ z $: a characterization with Gaia DR2 and APOGEE. 2019 , 487, 1462-1479	13

687	Chemical abundances of open clusters from high-resolution infrared spectra II. NGC 6940. 2019 , 485, 4625-4640		4
686	TOI-150: A Transiting Hot Jupiter in the TESS Southern CVZ. 2019 , 877, L29		10
685	Analysis of the physical nature of 22 New VVV Survey Globular Cluster candidates in the Milky Way bulge. 2019 , 487, 3140-3149		22
684	Blind chemical tagging with DBSCAN: prospects for spectroscopic surveys. 2019 , 487, 871-886		13
683	Gaia-2MASS 3D maps of Galactic interstellar dust within 3 kpc. 2019 , 625, A135		118
682	First detection of oscillations in the Halo giant HD 122563: Validation of seismic scaling relations and new parameters. 2019 , 625, A33		8
681	The Relationship between Globular Cluster Mass, Metallicity, and Light-element Abundance Variations. <i>Astronomical Journal</i> , 2019 , 158, 14	4-9	32
680	Systematic differences in the spectroscopic analysis of red giants. 2019 , 622, A111		10
679	Transiting Planets Near the Snow Line from Kepler. I. Catalog. <i>Astronomical Journal</i> , 2019 , 157, 218	4-9	19
678	Spectroscopic confirmation of the binary nature of the hybrid pulsator KIC 5709664 found with the frequency modulation method. 2019 , 486, 2129-2136		4
677	Mapping the Interstellar Reddening and Extinction toward Baade's Window Using Minimum Light Colors of ab-type RR Lyrae Stars: Revelations from the De-reddened Color-Magnitude Diagrams. 2019 , 874, 30		13
676	Close Companions around Young Stars. <i>Astronomical Journal</i> , 2019 , 157, 196	4-9	41
675	Purveyors of fine halos: Re-assessing globular cluster contributions to the Milky Way halo buildup with SDSS-IV. 2019 , 625, A75		28
674	An Ultraviolet-Optical Color-Metallicity Relation for Red Clump Stars Using GALEX and Gaia. 2019 , 872, 95		4
673	A Hint of Three-section Halo As Seen from the APOGEE DR14. 2019 , 871, 216		2
672	Stars behind Bars II: A Cosmological Formation Scenario for the Milky Way's Central Stellar Structure. 2019 , 874, 67		14
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670	Discovery of Resolved Magnetically Split Lines in SDSS/APOGEE Spectra of 157 Ap/Bp Stars. 2019 , 873, L5		11

669	Using APOGEE Wide Binaries to Test Chemical Tagging with Dwarf Stars. 2019 , 871, 42	21
668	Vertical waves in the solar neighbourhood in Gaia DR2. 2019 , 482, 1417-1425	114
667	The GALAH Survey: lithium-strong KM dwarfs. 2019 , 484, 4591-4600	10
666	The metallicity effect on line-depth ratios in APOGEE H-band spectra. 2019 , 485, 1310-1319	4
665	The Fifteenth Data Release of the Sloan Digital Sky Surveys: First Release of MaNGA-derived Quantities, Data Visualization Tools, and Stellar Library. 2019 , 240, 23	214
664	The metallicity and elemental abundance maps of kinematically atypical galaxies for constraining minor merger and accretion histories. 2019 , 485, 3215-3223	1
663	Open clusters in APOGEE and GALAH. 2019 , 623, A80	34
662	Estimating stellar ages and metallicities from parallaxes and broadband photometry: successes and shortcomings. 2019 , 622, A27	12
661	Ca line formation in late-type stellar atmospheres. 2019 , 623, A103	17
660	Chemical Abundances of Main-sequence, Turnoff, Subgiant, and Red Giant Stars from APOGEE Spectra. II. Atomic Diffusion in M67 Stars. 2019 , 874, 97	38
659	Constraining Metallicity-dependent Mixing and Extra Mixing Using [C/N] in Alpha-rich Field Giants. 2019 , 872, 137	18
658	The Circular Velocity Curve of the Milky Way from 5 to 25 kpc. 2019 , 871, 120	140
657	APOGEE [C/N] Abundances across the Galaxy: Migration and Infall from Red Giant Ages. 2019 , 871, 181	17
656	The Gaia-ESO Survey: impact of extra mixing on C and N abundances of giant stars. 2019 , 621, A24	26
655	Identifying Sagittarius Stream Stars by Their APOGEE Chemical Abundance Signatures. 2019 , 872, 58	24
654	A Spectroscopic Analysis of the California-Kepler Survey Sample. I. Stellar Parameters, Planetary Radii, and a Slope in the Radius Gap. 2019 , 875, 29	42
653	The Apache Point Observatory Galactic Evolution Experiment (APOGEE) Spectrographs. 2019 , 131, 055001	101
652	Massive Stars in the SDSS-IV/APOGEE-2 Survey. II. OB-stars in the W345 Complexes. 2019 , 873, 66	4

651	Chemical composition of planet building blocks as predicted by stellar population synthesis. 2019 , 622, A49	8
650	Gaia Data Release 2. 2019 , 622, A205	117
649	Analysis of Stellar Spectra from LAMOST DR5 with Generative Spectrum Networks. 2019 , 131, 024505	7
648	The GALAH survey and Gaia DR2: dissecting the stellar disc phase space by age, action, chemistry, and location. 2019 , 486, 1167-1191	93
647	Mapping the stellar age of the Milky Way bulge with the VVV. 2019 , 623, A168	17
646	Chemical Cartography with APOGEE: Multi-element Abundance Ratios. 2019 , 874, 102	48
645	The Helium Abundance of NGC 6791 from Modeling of Stellar Oscillations. 2019 , 874, 180	20
644	De re metallica: the cosmic chemical evolution of galaxies. 2019 , 27, 1	203
643	Seismic performance. 2019 , 622, A76	9
642	Homogeneous analysis of globular clusters from the APOGEE survey with the BACCHUS code. 2019 , 622, A191	38
641	The relationship between globular cluster parameters and abundance variations. 2019 , 14, 333-336	
640	Chemical abundances of field halo stars - Implications for the building blocks of the Milky Way. 2019 , 14, 24-33	1
639	Recent advances in experimental laboratory astrophysics for stellar astrophysics applications and future data needs. 2019 , 15, 220-228	
638	The building blocks of the Milky Way halo using APOGEE and Gaia or Is the Galaxy a typical galaxy?. 2019 , 14, 170-173	3
637	Laboratory astrophysics for the interpretation of stellar spectra. 2019 , 15, 345-349	
636	A catalogue of oxygen-rich pulsating giants in the Galactic halo and the Sagittarius stream. 2019 , 626, A112	0
635	Clustered Hierarchical Entropy-Scaling Search of Astronomical and Biological Data. 2019 ,	0
634	Giant Planet Occurrence within 0.2 au of Low-luminosity Red Giant Branch Stars with K2. <i>Astronomical Journal</i> , 2019 , 158, 227	4.9 19

633	Tracing Kinematic and Chemical Properties of Sagittarius Stream by K-Giants, M-Giants, and BHB stars. 2019 , 886, 154	11
632	Predicting Granulation Flicker and Radial Velocity Jitter from Spectroscopic Observables. 2019 , 883, 195	11
631	New type II Cepheids from VVV data towards the Galactic center. 2019 , 625, A151	8
630	The bimodal [Mg/Fe] versus [Fe/H] bulge sequence as revealed by APOGEE DR14. 2019 , 626, A16	22
629	Discovery of a nitrogen-enhanced mildly metal-poor binary system: Possible evidence for pollution from an extinct AGB star. 2019 , 631, A97	12
628	In the Galactic Disk, Stellar [Fe/H] and Age Predict Orbits and Precise [X/Fe]. 2019 , 883, 177	27
627	Revisiting the Impact of Stellar Magnetic Activity on the Detectability of Solar-Like Oscillations by Kepler. 2019 , 6,	15
626	Machine learning in APOGEE. 2019 , 629, A34	7
625	Selection functions of large spectroscopic surveys. 2019 , 621, A17	11
624	Two-dimensional non-LTE O I 777 nm line formation in radiation hydrodynamics simulations of Cepheid atmospheres. 2019 , 624, A85	2
623	The GALAH survey: An abundance, age, and kinematic inventory of the solar neighbourhood made with TGAS. 2019 , 624, A19	61
622	The K2 Galactic Caps Project Going beyond the Kepler field and ageing the Galactic disc. 2019 , 490, 4465-4480	16
621	Chemical (in)homogeneity and atomic diffusion in the open cluster M 67. 2019 , 627, A117	26
620	Stellar population astrophysics (SPA) with the TNG. 2019 , 631, L3	2
619	Ensemble age inversions for large spectroscopic surveys. 2019 , 629, A127	4
618	Photospheric nitrogen abundances and carbon $^{12}\text{C}/^{13}\text{C}$ ratios of red giant stars. 2019 ,	1
617	The SDSS-HET Survey of Kepler Eclipsing Binaries. Description of the Survey and First Results. 2019 , 884, 126	5
616	Age-metallicity relation in solar vicinity from RGB stars. 2019 ,	

615	The K2-HERMES Survey: age and metallicity of the thick disc. 2019 , 490, 5335-5352	40
614	The Milky Way has no in-situ halo other than the heated thick disc. 2019 , 632, A4	80
613	Abundance Estimates for 16 Elements in 6 Million Stars from LAMOST DR5 Low-Resolution Spectra. 2019 , 245, 34	63
612	Machine Learning Applied to StarGalaxyESO Classification and Stellar Effective Temperature Regression. <i>Astronomical Journal</i> , 2019 , 157, 9	4.9 22
611	Radial Velocities in the Outermost Disk toward the Anticenter. <i>Astronomical Journal</i> , 2019 , 157, 26	4.9 7
610	MADE: a spectroscopic mass, age, and distance estimator for red giant stars with Bayesian machine learning. 2019 , 484, 294-304	25
609	The origin of accreted stellar halo populations in the Milky Way using APOGEE, Gaia, and the EAGLE simulations. 2019 , 482, 3426-3442	126
608	The distance to the Galactic centre: globular clusters and SEKBO RR Lyrae survey stars. 2019 , 484, 218-225	8
607	Chemodynamical properties of the Anticentre Stream: a surviving disc fossil from a past satellite interaction. 2020 , 492, L61-L65	19
606	The GaiaESO Survey: Carbon Abundance in the Galactic Thin and Thick Disks. 2020 , 888, 55	13
605	Know thy star, know thy planet: chemo-kinematically characterizing TESS targets. 2020 , 491, 4365-4381	13
604	Identification of Absorption Lines of Heavy Metals in the Wavelength Range 0.97–1.32 μ m. 2020 , 246, 10	7
603	Concerning the Li-rich status of KIC 9821622: a Kepler field RGB star reported as a Li-rich giant. 2020 , 491, 3838-3843	0
602	Mapping the Galactic disc with the LAMOST and Gaia red clump sample: II. 3D asymmetrical kinematics of mono-age populations in the disc between 6–14 kpc. 2020 , 491, 2104-2118	18
601	On the origin of the chemical bimodality of disc stars: a tale of merger and migration. 2020 , 491, 5435-5446	57
600	The Gaia-ESO survey: the non-universality of the age–chemical-clocks–metallicity relations in the Galactic disc. 2020 , 639, A127	27
599	How many components? Quantifying the complexity of the metallicity distribution in the Milky Way bulge with APOGEE. 2020 , 499, 1037-1057	20
598	Abundances from integrated spectra of 47 Tucanae (NGC 104). 2020 , 498, 5834-5854	0

597	The age-chemical abundance structure of the Galactic disc III. Dichotomy and thick disc formation. 2020 , 497, 2371-2384	18
596	The ASAS-SN catalogue of variable stars VII. Contact binaries are different above and below the Kraft break. 2020 , 493, 4045-4057	14
595	Streams, Substructures, and the Early History of the Milky Way. 2020 , 58, 205-256	81
594	Massive Stars in the SDSS-IV-APOGEE Survey: Wolf-Rayet Stars of the WN Type. 2020 , 891, 107	1
593	Metallicity and Element Abundance Gradients along the Sagittarius Stream as Seen by APOGEE. 2020 , 889, 63	30
592	First Gaia dynamical model of the Milky Way disc with six phase space coordinates: a test for galaxy dynamics. 2020 , 494, 6001-6011	22
591	The power of coordinate transformations in dynamical interpretations of Galactic structure. 2020 , 497, 818-828	9
590	The contribution of N-rich stars to the Galactic stellar halo using APOGEE red giants. 2020 , 500, 5462-5478	12
589	Identifying resonances of the Galactic bar in Gaia DR2: I. Clues from action space. 2020 , 500, 2645-2665	12
588	Chemo-dynamics of outer halo dwarf stars, including Gaia-Sausage and Gaia-Sequoia candidates. 2020 , 497, 1236-1255	20
587	The SkyMapper-Gaia RVS view of the Gaia-Enceladus-Sausage I: An investigation of the metallicity and mass of the Milky Way's last major merger. 2020 , 497, 109-124	29
586	The ASAS-SN catalogue of variable stars VI: an all-sky sample of Scuti stars. 2020 , 493, 4186-4208	20
585	Strong chemical tagging with APOGEE: 21 candidate star clusters that have dissolved across the Milky Way disc. 2020 , 496, 5101-5115	14
584	Stellar population models based on the SDSS-IV MaStar library of stellar spectra II. Intermediate-age/old models. 2020 , 496, 2962-2997	17
583	The GALAH survey: multiple stars and our Galaxy. 2020 , 638, A145	9
582	High-precision distance measurements with classical pulsating stars. 2020 , 41, 1	12
581	The formation times and building blocks of Milky Way-mass galaxies in the FIRE simulations. 2020 , 497, 747-764	24
580	Blanco DECam Bulge Survey (BDBS) II: project performance, data analysis, and early science results. 2020 , 499, 2357-2379	5

579	Jeans modelling of the Milky Way's nuclear stellar disc. 2020 , 499, 7-24	12
578	The Close Binary Fraction as a Function of Stellar Parameters in APOGEE: A Strong Anti-Correlation With α Abundances. 2020 ,	13
577	The chemical nature of the young 120-Myr-old nearby Pisces-Eridanus stellar stream flowing through the Galactic disc. 2020 , 496, 2422-2435	9
576	From birth associations to field stars: mapping the small-scale orbit distribution in the Galactic disc. 2020 , 495, 4098-4112	13
575	Phosphorus-rich stars with unusual abundances are challenging theoretical predictions. 2020 , 11, 3759	11
574	The effect of surface gravity on line-depth ratios in the wavelength range 0.97–1.32 μ m. 2020 , 494, 1724-1734	3
573	NLTE analysis of high-resolution H-band spectra IV: neutral copper. 2020 , 20, 131	
572	Fluctuations in galactic bar parameters due to bar-spiral interaction. 2020 , 497, 933-955	23
571	Painting a portrait of the Galactic disc with its stellar clusters. 2020 , 640, A1	99
570	The Blanco DECam bulge survey. I. The survey description and early results. 2020 , 499, 2340-2356	2
569	Stellar spectral interpolation using machine learning. 2020 , 496, 5002-5016	0
568	The Milky Way's bulge star formation history as constrained from its bimodal chemical abundance distribution. 2020 , 497, 3557-3570	12
567	Are the Milky Way and Andromeda unusual? A comparison with Milky Way and Andromeda analogues. 2020 , 498, 4943-4954	8
566	A Simple Unified Spectroscopic Indicator of Stellar Luminosity: The Extended Flux-weighted Gravity-Luminosity Relationship. 2020 , 890, 28	2
565	The orbital phase space of contracted dark matter haloes. 2020 , 495, 12-28	8
564	Close Binary Companions to APOGEE DR16 Stars: 20,000 Binary-star Systems Across the Color-Magnitude Diagram. 2020 , 895, 2	44
563	Identical or fraternal twins? The chemical homogeneity of wide binaries from Gaia DR2. 2020 , 492, 1164-1179	30
562	Differential abundances of open clusters and their tidal tails: Chemical tagging and chemical homogeneity. 2020 , 635, A8	14

561	Spectral Classification of B Stars: The Empirical Sequence Using SDSS-IV/APOGEE Near-IR Data. 2020 , 894, 5		3
560	Detailed Abundances in the Galactic Center: Evidence of a Metal-rich Alpha-enhanced Stellar Population. 2020 , 894, 26		13
559	Chemical Evolution in the Milky Way: Rotation-based Ages for APOGEE-Kepler Cool Dwarf Stars. 2020 , 888, 43		18
558	APOGEE Net: Improving the Derived Spectral Parameters for Young Stars through Deep Learning. <i>Astronomical Journal</i> , 2020 , 159, 182	4-9	15
557	The Gaia-Kepler Stellar Properties Catalog. I. Homogeneous Fundamental Properties for 186,301 Kepler Stars. <i>Astronomical Journal</i> , 2020 , 159, 280	4-9	79
556	The Lazy Giants: APOGEE Abundances Reveal Low Star Formation Efficiencies in the Magellanic Clouds. 2020 , 895, 88		34
555	The GALAH survey: chemodynamics of the solar neighbourhood. 2020 , 493, 2952-2964		28
554	The X-shooter Spectral Library (XSL): Data release 2. 2020 , 634, A133		27
553	Heavy element evolution in the inner regions of the Milky Way. 2020 , 494, 5534-5541		11
552	Keeping It Cool: Much Orbit Migration, yet Little Heating, in the Galactic Disk. 2020 , 896, 15		22
551	The SDSS/APOGEE catalogue of HgMn stars. 2020 , 496, 832-850		7
550	The Impact of Metallicity on the Evolution of the Rotation and Magnetic Activity of Sun-like Stars. 2020 , 889, 108		15
549	The nearby spiral density-wave structure of the Galaxy: line-of-sight velocities of the Gaia DR2 main-sequence A, F, G, and K stars. 2020 , 493, 2111-2126		10
548	Massive Stars in the SDSS-IV/APOGEE2 Survey. III. New OB Stars in the Direction of the Sagittarius Spiral Arm. 2020 , 247, 17		3
547	The Gaia DR2 parallax zero-point: hierarchical modelling of red clump stars. 2020 , 493, 4367-4381		37
546	Stellar atmospheric parameters of FGK-type stars from high-resolution optical and near-infrared CARMENES spectra. 2020 , 492, 5470-5507		8
545	Machine-learning Regression of Extinction in the Second Gaia Data Release. <i>Astronomical Journal</i> , 2020 , 159, 84	4-9	1
544	Stellar Characterization of M Dwarfs from the APOGEE Survey: A Calibrator Sample for M-dwarf Metallicities. 2020 , 890, 133		18

543	SPCANet: Stellar Parameters and Chemical Abundances Network for LAMOST-II Medium Resolution Survey. 2020 , 891, 23		16
542	On the Chemical and Kinematic Consistency between N-rich Metal-poor Field Stars and Enriched Populations in Globular Clusters. 2020 , 891, 28		7
541	Deriving the Stellar Labels of LAMOST Spectra with the Stellar LABEL Machine (SLAM). 2020 , 246, 9		24
540	Insights into the Formation and Evolution History of the Galactic Disk System. 2020 , 896, 14		4
539	REFINING THE CENSUS OF THE UPPER SCORPIUS ASSOCIATION WITH. <i>Astronomical Journal</i> , 2020 , 160,	4-9	28
538	The Open Cluster Chemical Abundances and Mapping Survey. IV. Abundances for 128 Open Clusters Using SDSS/APOGEE DR16. <i>Astronomical Journal</i> , 2020 , 159, 199	4-9	49
537	The age-chemical abundance structure of the Galaxy I: evidence for a late-accretion event in the outer disc at $z \sim 0.6$. 2020 , 494, 2561-2575		16
536	The Stellar Velocity Distribution Function in the Milky Way Galaxy. <i>Astronomical Journal</i> , 2020 , 160, 43	4-9	4
535	The 16th Data Release of the Sloan Digital Sky Surveys: First Release from the APOGEE-2 Southern Survey and Full Release of eBOSS Spectra. 2020 , 249, 3		363
534	Estimation of Stellar Ages and Masses Using Gaussian Process Regression. 2020 , 249, 7		0
533	An excessively massive thick disc of the enormous edge-on lenticular galaxy NGC 7572. 2020 , 493, 5464-5478		7
532	Age dating the Galactic bar with the nuclear stellar disc. 2020 , 492, 4500-4511		11
531	The chemical compositions of accreted and in situ galactic globular clusters according to SDSS/APOGEE. 2020 , 493, 3363-3378		31
530	Milky Way analogues in MaNGA: multiparameter homogeneity and comparison to the Milky Way. 2020 , 491, 3672-3701		12
529	Age dating of an early Milky Way merger via asteroseismology of the naked-eye star Π Indi. 2020 , 4, 382-389		29
528	A seismic scaling relation for stellar age II: the red giant branch. 2020 , 492, L50-L55		13
527	Homogeneous analysis of globular clusters from the APOGEE survey with the BACCHUS code III. The Southern clusters and overview. 2020 , 492, 1641-1670		54
526	Weighing the stellar constituents of the galactic halo with APOGEE red giant stars. 2020 , 492, 3631-3646		36

525	Constraining churning and blurring in the Milky Way using large spectroscopic surveys in an exploratory study. 2020 , 493, 1419-1433	17
524	Detection of Strong Epicyclic Density Spikes in the GD-1 Stellar Stream: An Absence of Evidence for the Influence of Dark Matter Subhalos?. 2020 , 891, 161	19
523	The biggest splash. 2020 , 494, 3880-3898	91
522	seestar: Selection functions for spectroscopic surveys of the Milky Way. 2020 , 493, 2042-2058	7
521	Searching for solar siblings in APOGEE and Gaia DR2 with N-body simulations. 2020 , 494, 2268-2279	7
520	The $[Fe/H]$ relation in the E-MOSAICS simulations: its connection to the birth place of globular clusters and the fraction of globular cluster field stars in the bulge. 2020 , 491, 4012-4022	20
519	The vertical Na/D relation in the bulge globular cluster NGC 6553. 2020 , 492, 3742-3752	10
518	Probing the Galactic Halo with RR Lyrae Stars. I. The Catalog. 2020 , 247, 68	11
517	Improving performance of zoom-in cosmological simulations using initial conditions with customized grids. 2021 , 84, 101501	0
516	Age-metallicity dependent stellar kinematics of the Milky Way disc from LAMOST and Gaia. 2021 , 501, 4917-4934	4
515	OUP accepted manuscript.	6
514	Chemo-kinematics of the Gaia RR Lyrae: the halo and the disc. 2021 , 502, 5686-5710	23
513	Age dissection of the Milky Way discs: Red giants in the Kepler field. 2021 , 645, A85	31
512	The formation history of the Milky Way disc with high-resolution cosmological simulations. 2021 , 502, 2251-2265	2
511	Icarus: A Flat and Fast Prograde Stellar Stream in the Milky Way Disk. 2021 , 907, L16	4
510	Uncertainties in galaxy rotation curves. 2021 , 502, 3843-3854	1
509	Magnetic-buoyancy-induced mixing in AGB stars: a theoretical explanation of the non-universal relation of $[Y/Mg]$ to age. 2021 , 646, L2	11
508	The GALAH survey: tracing the Galactic disc with open clusters. 2021 , 503, 3279-3296	23

507	Estimating Distances from Parallaxes. V. Geometric and Photogeometric Distances to 1.47 Billion Stars in Gaia Early Data Release 3. <i>Astronomical Journal</i> , 2021 , 161, 147	4.9	259
506	Analysis of Previously Classified White Dwarf Main-sequence Binaries Using Data from the APOGEE Survey. <i>Astronomical Journal</i> , 2021 , 161, 143	4.9	1
505	VVV CL001: Likely the Most Metal-poor Surviving Globular Cluster in the Inner Galaxy. 2021 , 908, L42		10
504	Estimating Stellar Atmospheric Parameters from the LAMOST DR6 Spectra with SCDD Model. 2021 , 133, 024504		1
503	An enquiry on the origins of N-rich stars in the inner Galaxy based on APOGEE chemical compositions. 2021 , 504, 1657-1667		2
502	The Nature of the Milky Way's Stellar Halo Revealed by the Three Integrals of Motion. 2021 , 908, 191		11
501	An Unsupervised Method for Identifying X-enriched Stars Directly from Spectra: Li in LAMOST. 2021 , 908, 247		2
500	Probing 3D and NLTE models using APOGEE observations of globular cluster stars. 2021 , 647, A24		0
499	All-sky visible and near infrared space astrometry. 2021 , 51, 783		6
498	Deciphering the Kinematic Structure of the Small Magellanic Cloud through Its Red Giant Population. 2021 , 910, 36		3
497	Unveiling the distinct formation pathways of the inner and outer discs of the Milky Way with Bayesian Machine Learning. 2021 , 503, 2814-2824		6
496	Towards a fully consistent Milky Way disk model. 2021 , 647, A39		2
495	Local stellar kinematics and Oort constants from the LAMOST A-type stars. 2021 , 504, 199-207		5
494	Galactic seismology: the evolving phase spiral after the Sagittarius dwarf impact. 2021 , 504, 3168-3186		18
493	Exploring the Galactic Anticenter Substructure with LAMOST and Gaia DR2. 2021 , 910, 46		0
492	Gyro-kinematic Ages for around 30,000 Kepler Stars. <i>Astronomical Journal</i> , 2021 , 161, 189	4.9	2
491	3D dynamics of the Orion cloud complex. 2021 , 647, A91		7
490	The Similarity of Abundance Ratio Trends and Nucleosynthetic Patterns in the Milky Way Disk and Bulge. 2021 , 909, 77		16

489	The APOGEE Library of Infrared SSP Templates (A-LIST): High-resolution Simple Stellar Population Spectral Models in the H Band. <i>Astronomical Journal</i> , 2021 , 161, 167	4.9	3
488	Evaluation of Stellar Parameters and Calibrating the Surface Gravity log g for LAMOST-II Median Resolution Survey. 2021 , 133, 044502		1
487	APOGEE DR16: A multi-zone chemical evolution model for the Galactic disc based on MCMC methods. 2021 , 647, A73		15
486	APOGEE discovery of a chemically atypical star disrupted from NGC 6723 and captured by the Milky Way bulge. 2021 , 647, A64		8
485	Light Elements in the Universe. 2021 , 8,		10
484	Orbital Torus Imaging: Using Element Abundances to Map Orbits and Mass in the Milky Way. 2021 , 910, 17		4
483	Data-driven Spectroscopic Estimates of Absolute Magnitude, Distance, and Binarity: Method and Catalog of 16,002 O- and B-type Stars from LAMOST. 2021 , 253, 22		6
482	Our Galaxy, the Milky Way. 2021 , 49-92		
481	Orbital and Stellar Parameters for 2M06464003+0109157: A Double-lined Eclipsing Binary of Spotted, Sub-solar Twins. 2021 , 133, 044201		3
480	On the ColorMetallicity Relation of the Red Clump and the Reddening toward the Magellanic Clouds. 2021 , 910, 121		5
479	Exploring the Origin of Thick Disks Using the NewHorizon and Galactica Simulations. 2021 , 254, 2		12
478	APOGEE view of the globular cluster NGC 6544. 2021 , 504, 3494-3508		1
477	The Stars of the HETDEX Survey. I. Radial Velocities and Metal-poor Stars from Low-resolution Stellar Spectra. 2021 , 911, 108		4
476	The Metal-poor Metallicity Distribution of the Ancient Milky Way. 2021 , 911, L23		5
475	Homogeneous analysis of globular clusters from the APOGEE survey with the BACCHUS code III. <i>ICEn</i> . 2021 , 505, 1645-1660		3
474	Spectroscopic and seismic analysis of red giants in eclipsing binaries discovered by Kepler. 2021 , 648, A113		8
473	APOGEE spectroscopic evidence for chemical anomalies in dwarf galaxies: The case of M 54 and Sagittarius. 2021 , 648, A70		11
472	Stellar Parameterization of LAMOST M Dwarf Stars. 2021 , 253, 45		4

471	Evidence for Multiple Accretion Events in the Gaia-Sausage/Enceladus Structures. 2021 , 911, L21	4
470	Gemini/Phoenix H-band analysis of the globular cluster AL 3. 2021 , 648, A16	1
469	Updated parameters of 1743 open clusters based on Gaia DR2. 2021 , 504, 356-371	26
468	Fundamental mechanism of the creation of chemical bimodality in the Milky Way disc in the cold accretion theory. 2021 , 504, 1466-1472	
467	Completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: Cosmological implications from two decades of spectroscopic surveys at the Apache Point Observatory. 2021 , 103,	145
466	Mapping the Galactic Disk with the LAMOST and Gaia Red Clump Sample. VII. The Stellar Disk Structure Revealed by the Mono-abundance Populations. 2021 , 912, 106	4
465	The origin of metal-poor stars on prograde disc orbits in FIRE simulations of Milky Way-mass galaxies. 2021 , 505, 921-938	3
464	Chemodynamically Characterizing the Jhelum Stellar Stream with APOGEE-2. 2021 , 913, 39	1
463	A unicorn in monoceros: the 3 M \odot dark companion to the bright, nearby red giant V723 Mon is a non-interacting, mass-gap black hole candidate. 2021 , 504, 2577-2602	24
462	Chronologically dating the early assembly of the Milky Way. 2021 , 5, 640-647	12
461	Chemical Tagging N-rich Field Stars with High-resolution Spectroscopy. 2021 , 913, 23	0
460	Identification of an [Fe] Enhanced Thick Disk Component in an Edge-on Milky Way Analog. 2021 , 913, L11	2
459	The APOGEE Data Release 16 Spectral Line List. <i>Astronomical Journal</i> , 2021 , 161, 254	4.9 19
458	Star Formation Timescales of the Halo Populations from Asteroseismology and Chemical Abundances*. 2021 , 912, 72	2
457	Uncertain times: the redshift-time relation from cosmology and stars. 2021 , 505, 2764-2783	6
456	Determination of spectroscopic parameters for 313 M dwarf stars from their APOGEE Data Release 16 H-band spectra. 2021 , 649, A147	8
455	Uncertainties in the Galactic Dark Matter distribution: An update. 2021 , 32, 100826	6
454	A KMOS survey of the nuclear disk of the Milky Way. 2021 , 649, A83	4

453	Disentangled Representation Learning for Astronomical Chemical Tagging. 2021 , 913, 12	4
452	Magnetic activity and age estimation of red giants using neural networks. 2021 , 505, 2124-2135	
451	A Case against a Significant Detection of Precession in the Galactic Warp. 2021 , 912, 130	2
450	The Photometric Metallicity and Carbon Distributions of the Milky Way's Halo and Solar Neighborhood from S-PLUS Observations of SDSS Stripe 82. 2021 , 912, 147	5
449	Abundance Patterns of α and Neutron-capture Elements in the Helmi Stream. 2021 , 913, L28	5
448	Local variations of the Stellar Velocity Ellipsoid-I: the disc of galaxies in the Auriga simulations. 2021 , 506, 1801-1814	1
447	3D gas-phase elemental abundances across the formation histories of Milky Way-mass galaxies in the FIRE simulations: initial conditions for chemical tagging. 2021 , 505, 4586-4607	7
446	On the Use of Field RR Lyrae as Galactic Probes. III. The α Element Abundances*. 2021 , 914, 10	5
445	The G 305 Star-forming Region. II. Irregular Variable Stars. 2021 , 914, 28	1
444	Fundamental relations for the velocity dispersion of stars in the Milky Way. 2021 , 506, 1761-1776	12
443	An observational testbed for cosmological zoom-in simulations: constraining stellar migration in the solar cylinder using asteroseismology. 2021 , 506, 759-774	3
442	The effects of the initial mass function on Galactic chemical enrichment. 2021 , 650, A203	2
441	Testing the Limits of Precise Subgiant Characterization with APOGEE and Gaia: Opening a Window to Unprecedented Astrophysical Studies. 2021 , 915, 19	5
440	The Pristine survey IXII. Gemini-GRACES chemo-dynamical study of newly discovered extremely metal-poor stars in the Galaxy. 2021 , 506, 1438-1461	7
439	Stellar Metallicities from SkyMapper Photometry. II. Precise Photometric Metallicities of ~280,000 Giant Stars with [Fe/H] 2021, 254, 31	6
438	Partitioning the Galactic halo with Gaussian Mixture Models. 2021 , 21, 128	1
437	Charting the Galactic Acceleration Field. I. A Search for Stellar Streams with Gaia DR2 and EDR3 with Follow-up from ESPaDOnS and UVES. 2021 , 914, 123	21
436	Evidence for sub-Chandrasekhar Type Ia supernovae from the last major merger. 2021 , 506, 4321-4343	4

435	Machine Learning the Sixth Dimension: Stellar Radial Velocities from 5D Phase-space Correlations. 2021 , 915, L14	3
434	Study on outliers in the big stellar spectral dataset of the fifth data release (DR5) of the Large Sky Area Multi-Object Fiber Spectroscopic Telescope (LAMOST). 2021 , 36, 100485	
433	Asteroseismology of overmassive, undermassive, and potential past members of the open cluster NGC 6791. 2021 , 507, 496-509	3
432	The Ω phiuchi region revisited with Gaia EDR3. 2021 , 652, A2	6
431	Stellar Population Astrophysics (SPA) with TNG. Atmospheric parameters of members of 16 unstudied open clusters.	3
430	High eccentricities and high masses characterize gravitational-wave captures in galactic nuclei as seen by Earth-based detectors. 2021 , 506, 1665-1696	13
429	Chronos - take the pulse of our galactic neighbourhood. 2021 , 51, 945	
428	Influence of the Galactic bar on the kinematics of the disc stars with Gaia EDR3 data. 2021 , 507, 4409-4424	0
427	The regression of effective temperatures in APOGEE and LAMOST. 2021 , 86, 101568	1
426	Testing the chemical homogeneity of chemically tagged dissolved birth clusters.	3
425	Chemical enrichment and radial migration in the Galactic disc \square the origin of the $[\text{Fe}]$ double sequence. 2021 , 507, 5882-5901	11
424	CAPOS: The bulge Cluster APOgee Survey. 2021 , 652, A158	3
423	The (im)possibility of strong chemical tagging.	2
422	Close substellar-mass companions in stellar wide binaries: Discovery and characterization with APOGEE and Gaia DR2.	0
421	Searching For Transiting Planets Around Halo Stars. I. Sample Selection and Validation. <i>Astronomical Journal</i> , 2021 , 162, 125	4-9 1
420	Age-dating Red Giant Stars Associated with Galactic Disk and Halo Substructures. 2021 , 916, 88	2
419	A Metallicity Study of F, G, K, and M Dwarfs in the Coma Berenices Open Cluster from the APOGEE Survey. 2021 , 917, 11	3
418	The VMC survey \square XLIV: mapping metallicity trends in the large magellanic cloud using near-infrared passbands. 2021 , 507, 4752-4763	0

417	Dynamical Model of the Milky Way Using APOGEE and Gaia Data. 2021 , 916, 112		8
416	APOGEE-2S Discovery of Light- and Heavy-element Abundance Correlations in the Bulge Globular Cluster NGC 6380. 2021 , 918, L9		1
415	Planets Across Space and Time (PAST). II. Catalog and Analyses of the LAMOST-Gaia-Kepler Stellar Kinematic Properties. <i>Astronomical Journal</i> , 2021 , 162, 100	4.9	1
414	Evidence for Radial Expansion at the Core of the Orion Complex with Gaia EDR3. 2021 , 917, 21		5
413	CAPOS: The bulge Cluster APOgee Survey. 2021 , 652, A157		3
412	Dark matter density profiles in dwarf galaxies: linking Jeans modelling systematics and observation. 2021 , 507, 4715-4733		1
411	Modelling the chemical evolution of the Milky Way. 2021 , 29, 1		14
410	Symbiotic Stars in the Apache Point Observatory Galactic Evolution Experiment Survey: The Case of LIN 358 and SMC N73 (LIN 445a). 2021 , 918, 19		0
409	On the Use of Field RR Lyrae as Galactic Probes. V. Optical and Radial Velocity Curve Templates. 2021 , 919, 85		3
408	Radial structure and formation of the Milky Way disc.		0
407	Investigating the Accuracy of Virial Cluster Masses: King Model Simulations. 2021 , 5, 206		
406	Radial Migration from the Metallicity Gradient of Open Clusters and Outliers. 2021 , 919, 52		7
405	2M17091769+3127589: A Mass-transfer Binary with an Extreme Mass Ratio. <i>Astronomical Journal</i> , 2021 , 162, 131	4.9	1
404	A Blueprint for the Milky Way's Stellar Populations. III. Spatial Distributions and Population Fractions of Local Halo Stars. 2021 , 918, 74		3
403	Selection Functions in Astronomical Data Modeling, with the Space Density of White Dwarfs as a Worked Example. <i>Astronomical Journal</i> , 2021 , 162, 142	4.9	6
402	Self-consistent Stellar Radial Velocities from LAMOST Medium-resolution Survey DR7. 2021 , 256, 14		9
401	APOGEE-2 Discovery of a Large Population of Relatively High-metallicity Globular Cluster Debris. 2021 , 918, L37		2
400	Regular and chaotic orbits in axisymmetric stellar systems.		

399	Selecting accreted populations: metallicity, elemental abundances, and ages of the Gaia-Sausage-Enceladus and Sequoia populations.	6
398	Constraining the Milky Way's ultraviolet-to-infrared SED with Gaussian process regression.	1
397	Extreme Variability of the V488 Persei Debris Disk. 2021 , 918, 71	5
396	The diffuse interstellar band around 8620 Å. Kinematics and distance of the DIB carrier.	2
395	Nitrogen evolution in the halo, thick disc, thin disc, and bulge of the Galaxy. 2021 , 508, 719-727	1
394	Galactic bar resonances inferred from kinematically hot stars in Gaia EDR3. 2021 , 508, 728-736	2
393	Deciphering the evolution of the Milky Way discs: Gaia APOGEE Kepler giant stars and the Besançon Galaxy Model. 2021 , 654, A13	2
392	Estimating $[\alpha/\text{Fe}]$ from Gaia low-resolution BP/RP spectra using the ExtraTrees algorithm.	1
391	Low-metal-rich stars with sausage kinematics in the LAMOST survey: Are they from the Gaia-Sausage-Enceladus galaxy?. 2021 , 64, 1	8
390	Purveyors of fine halos. 2021 , 645, A64	0
389	SDSS-V Algorithms: Fast, Collision-free Trajectory Planning for Heavily Overlapping Robotic Fiber Positioners. <i>Astronomical Journal</i> , 2021 , 161, 92	4-9 0
388	Prospects for Galactic and stellar astrophysics with asteroseismology of giant stars in the TESS continuous viewing zones and beyond. 2021 , 502, 1947-1966	8
387	OUP accepted manuscript.	0
386	The Gaia-ESO Survey: Churning through the Milky Way. 2018 , 609, A79	21
385	The Gaia-ESO Survey: double-, triple-, and quadruple-line spectroscopic binary candidates. 2017 , 608, A95	23
384	Effects of the selection function on metallicity trends in spectroscopic surveys of the Milky Way. 2017 , 606, A97	19
383	What the Milky Way bulge reveals about the initial metallicity gradients in the disc. 2017 , 607, L4	20
382	A collection of model stellar spectra for spectral types B to early-M. 2018 , 618, A25	31

381	Dissecting stellar chemical abundance space with t-SNE. 2018 , 619, A125	36
380	ATHOS: On-the-fly stellar parameter determination of FGK stars based on flux ratios from optical spectra. 2018 , 619, A134	11
379	Updated extraction of the APOGEE 1.5273 μ m diffuse interstellar band: a Planck view on the carrier depletion in dense cores. 2019 , 628, A67	3
378	High-resolution spectroscopic study of dwarf stars in the northern sky. 2019 , 628, A49	8
377	The inner two degrees of the Milky Way. 2019 , 627, A152	20
376	Discovery of new stellar groups in the Orion complex. 2020 , 643, A114	8
375	The Gaia-ESO Survey: Spectroscopic-asteroseismic analysis of K2 stars in Gaia-ESO. 2020 , 643, A83	4
374	Reviving old controversies: is the early Galaxy flat or round?. 2020 , 636, A115	16
373	NLTE for APOGEE: simultaneous multi-element NLTE radiative transfer. 2020 , 637, A80	15
372	From the bulge to the outer disc: StarHorse stellar parameters, distances, and extinctions for stars in APOGEE DR16 and other spectroscopic surveys. 2020 , 638, A76	59
371	The AMBRE Project: Spectrum normalisation influence on Mg abundances in the metal-rich Galactic disc. 2020 , 639, A140	7
370	Active red giants: Close binaries versus single rapid rotators. 2020 , 639, A63	7
369	Purveyors of fine halos. 2020 , 637, A98	18
368	The HR 1614 moving group is not a dissolving cluster. 2020 , 638, A154	6
367	The variation of carbon abundance in galaxies and its implications. 2020 , 639, A37	14
366	Asteroseismology of two Kepler detached eclipsing binaries. 2020 , 642, A91	3
365	CARMENES input catalogue of M dwarfs. 2020 , 642, A115	36
364	Cool stars in the Galactic center as seen by APOGEE. 2020 , 642, A81	8

363	Gaia-DR2 extended kinematical maps. 2020 , 642, A95	4
362	J-PLUS: Unveiling the brightest end of the Ly α luminosity function at 2.0 2020 , 643, A149	8
361	Benchmark stars, benchmark spectrographs. 2020 , 642, A182	2
360	USuRPER: Unit-sphere representation periodogram for full spectra. 2020 , 642, A146	3
359	The CARMENES search for exoplanets around M dwarfs. 2020 , 642, A227	7
358	Stellar Population Astrophysics (SPA) with TNG. 2020 , 643, A12	5
357	Aluminium-enriched metal-poor stars buried in the inner Galaxy. 2020 , 643, L4	16
356	The enigmatic globular cluster UKS 1 obscured by the bulge: H-band discovery of nitrogen-enhanced stars. 2020 , 643, A145	12
355	Jurassic: A chemically anomalous structure in the Galactic halo. 2020 , 644, A83	10
354	Exploring the spectral information content in the LAMOST medium-resolution survey (MRS). 2020 , 20, 051	10
353	From the inner to outer Milky Way: a photometric sample of 2.6 million red clump stars. 2020 , 495, 3087-3103	4
352	Dynamical orbital classification of selected N-rich stars with Gaia Data Release 2 astrometry. 2020 , 495, 4113-4123	16
351	Evidence from APOGEE for the presence of a major building block of the halo buried in the inner Galaxy. 2020 , 500, 1385-1403	30
350	The chemical properties of the Milky Way's on-bar and off-bar regions: evidence for inhomogeneous star formation history in the bulge. 2020 , 500, 282-290	3
349	Search for dormant black holes in ellipsoidal variables I. Revisiting the expected amplitudes of the photometric modulation. 2021 , 501, 2822-2832	9
348	Exploring the Galaxy's halo and very metal-weak thick disc with SkyMapper and Gaia DR2. 2021 , 503, 2539-2561	15
347	Confirming known planetary trends using a photometrically selected Kepler sample. 2021 , 501, 5309-5318	3
346	Elemental abundances of M dwarfs based on high-resolution near-infrared spectra: Verification by binary systems. 2020 , 72,	8

345	Equilibrium axisymmetric halo model for the Milky Way and its implications for direct and indirect dark matter searches. 2020 , 102,		4
344	Rotationally Driven Ultraviolet Emission of Red Giant Stars. <i>Astronomical Journal</i> , 2020 , 160, 12	4.9	9
343	Beyond Gaia: Asteroseismic Distances of M Giants Using Ground-based Transient Surveys. <i>Astronomical Journal</i> , 2020 , 160, 18	4.9	5
342	Elemental Abundances in M31: Iron and Alpha Element Abundances in M31's Outer Halo. <i>Astronomical Journal</i> , 2020 , 160, 41	4.9	6
341	The Sixth Data Release of the Radial Velocity Experiment (Rave). II. Stellar Atmospheric Parameters, Chemical Abundances, and Distances. <i>Astronomical Journal</i> , 2020 , 160, 83	4.9	26
340	The Sixth Data Release of the Radial Velocity Experiment (RAVE). I. Survey Description, Spectra, and Radial Velocities. <i>Astronomical Journal</i> , 2020 , 160, 82	4.9	26
339	PTFO 8-8695: Two Stars, Two Signals, No Planet. <i>Astronomical Journal</i> , 2020 , 160, 86	4.9	4
338	APOGEE Data and Spectral Analysis from SDSS Data Release 16: Seven Years of Observations Including First Results from APOGEE-South. <i>Astronomical Journal</i> , 2020 , 160, 120	4.9	120
337	Ultra-short-period Planets Are Stable against Tidal Inspiral. <i>Astronomical Journal</i> , 2020 , 160, 138	4.9	13
336	The Southern Stellar Stream Spectroscopic Survey (S5): Chemical Abundances of Seven Stellar Streams. <i>Astronomical Journal</i> , 2020 , 160, 181	4.9	24
335	An ALMA Survey of ρ Drionis Disks: From Supernovae to Planet Formation. <i>Astronomical Journal</i> , 2020 , 160, 248	4.9	12
334	Spectroscopic Analysis of the Bulge Globular Cluster ESO 456-SC38*. <i>Astronomical Journal</i> , 2020 , 160, 241	4.9	4
333	The Gaia-ESO Survey: Oxygen Abundance in the Galactic Thin and Thick Disks. <i>Astronomical Journal</i> , 2021 , 161, 9	4.9	5
332	Comparison of the Asteroseismic Mass Scale of Red Clump Giants with Photometric Mass Estimates. 2019 , 879, 81		5
331	Elemental Abundances in M31: First Alpha and Iron Abundance Measurements in M31's Giant Stellar Stream. 2019 , 883, 128		9
330	Mapping the Stellar Halo with the H3 Spectroscopic Survey. 2019 , 883, 107		39
329	A Dynamical Model for Clustered Star Formation in the Galactic Disk. 2019 , 884, 173		11
328	Abundance Ratios in GALAH DR2 and Their Implications for Nucleosynthesis. 2019 , 886, 84		21

327	CoreEnvelope Coupling in Intermediate-mass Core-helium Burning Stars. 2019 , 887, 203	8
326	A Lower Limit on the Mass of Our Galaxy from the H3 Survey. 2020 , 888, 114	7
325	Temperatures and Metallicities of M Dwarfs in the APOGEE Survey. 2020 , 892, 31	20
324	Fluorine in the Solar Neighborhood: The Need for Several Cosmic Sources. 2020 , 893, 37	10
323	Multiwavelength Absolute Magnitudes and Colors of Red Clump Stars in the Gaia Era. 2020 , 893, 108	5
322	Chemically Peculiar A and F Stars with Enhanced s-process and Iron-peak Elements: Stellar Radiative Acceleration at Work. 2020 , 898, 28	6
321	Rapid Rotation of Kepler Field Dwarfs and Subgiants: Spectroscopic $v \sin i$ from APOGEE. 2020 , 898, 76	4
320	Abundances in the Milky Way across Five Nucleosynthetic Channels from 4 Million LAMOST Stars. 2020 , 898, 58	16
319	Stellar Parameters for the First Release of the MaStar Library: An Empirical Approach. 2020 , 899, 62	4
318	The Age Distribution of Stars in the Milky Way Bulge. 2020 , 900, 4	6
317	Differential Rotation of the Halo Traced by K-giant Stars. 2020 , 899, 110	5
316	The Assembly History of M87 through Radial Variations in Chemical Abundances of Its Field Star and Globular Cluster Populations. 2020 , 900, 95	6
315	Extratidal Stars and Chemical Abundance Properties of Two Metal-poor Globular Clusters M53 (NGC 5024) and NGC 5053. 2020 , 900, 146	4
314	The Strength of the Dynamical Spiral Perturbation in the Galactic Disk. 2020 , 900, 186	23
313	Tracing the Assembly of the Milky Way's Disk through Abundance Clustering. 2020 , 900, 165	7
312	Exploring the Stellar Age Distribution of the Milky Way Bulge Using APOGEE. 2020 , 901, 109	13
311	Evidence from the H3 Survey That the Stellar Halo Is Entirely Comprised of Substructure. 2020 , 901, 48	86
310	Mapping the Galactic Disk with the LAMOST and Gaia Red Clump Sample. V. On the Origin of the Young $[Fe]$ -enhanced Stars. 2020 , 903, 12	9

309	Elemental Abundances in M31: Properties of the Inner Stellar Halo. 2020 , 902, 51	2
308	Chasing Accreted Structures within Gaia DR2 Using Deep Learning. 2020 , 903, 25	13
307	Open Cluster Chemical Homogeneity throughout the Milky Way. 2020 , 903, 55	8
306	Implications of Grain Size Distribution and Composition for the Correlation between Dust Extinction and Emissivity. 2020 , 904, 38	3
305	Existence of the Metal-rich Stellar Halo and High-velocity Thick Disk in the Galaxy. 2020 , 903, 131	3
304	Exploring the Galactic Warp through Asymmetries in the Kinematics of the Galactic Disk. 2020 , 905, 49	10
303	A Catalog of RV Variable Star Candidates from LAMOST. 2020 , 249, 22	7
302	Forecasting Chemical Abundance Precision for Extragalactic Stellar Archaeology. 2020 , 249, 24	4
301	Phase II of the LAMOST-Kepler/K2 Survey. I. Time Series of Medium-resolution Spectroscopic Observations. 2020 , 251, 15	13
300	LAMOST Observations in 15 K2 Campaigns. I. Low-resolution Spectra from LAMOST DR6. 2020 , 251, 27	2
299	A Panoramic Landscape of the Sagittarius Stream in Gaia DR2 Revealed with the STREAMFINDER Spyglass. 2020 , 891, L19	20
298	Geometry of the Draco C1 Symbiotic Binary. 2020 , 900, L43	4
297	The Influence of Stellar Phosphorus on Our Understanding of Exoplanets and Astrobiology. 2020 , 900, L38	4
296	Discovery of a Large Population of Nitrogen-enhanced Stars in the Magellanic Clouds. 2020 , 903, L17	8
295	Photometric Metallicities for Low-mass Stars with Gaia and WISE. 2019 , 3, 54	1
294	White Dwarfs in Close Binaries: A Systematic Search for Mass-transfer Systems and Supernova Ia Progenitors in the APOGEE Survey. 2020 , 4, 127	4
293	The distribution of $[Z/Fe]$ in the Milky Way disc.	7
292	A first estimate of the Milky Way dark matter halo spin.	2

291	Evidence of a Dwarf Galaxy Stream Populating the Inner Milky Way Halo. 2021 , 920, 51		10
290	Double-lined Spectroscopic Binaries in the APOGEE DR16 and DR17 Data. <i>Astronomical Journal</i> , 2021 , 162, 184	4-9	10
289	The Milky Way's bar and bulge revealed by APOGEE and Gaia EDR3.		5
288	The SEDIGISM survey: the influence of spiral arms on the molecular gas distribution of the inner Milky Way.		1
287	A Spectroscopic Analysis of the California-Kepler Survey Sample. II. Correlations of Stellar Metallicities with Planetary Architectures. 2021 , 920, 19		1
286	A Quick Look at All-sky Galactic Archeology with TESS: 158,000 Oscillating Red Giants from the MIT Quick-look Pipeline. 2021 , 919, 131		3
285	Sulphur abundances in the Galactic Bulge and disk.		3
284	OCCASO IV. Radial velocities and open cluster kinematics.		2
283	Old-Aged Primary Distance Indicators. 2018 , 89-181		
282	Impact of Distance Determinations on Galactic Structure. I. Young and Intermediate-Age Tracers. 2018 , 183-218		
281	Triangulum-Andromeda Overdensity: a Region with a Complex Stellar Population. 2019 , 886, 113		2
280	Two Substructures in the nearby Stellar Halo Found in Gaia and RAVE. 2020 , 895, 23		2
279	Unveiling the Hierarchical Structure of Open Star Clusters: The Perseus Double Cluster. 2020 , 899, 144		0
278	Classifying Single Stars and Spectroscopic Binaries Using Optical Stellar Templates. 2020 , 249, 34		8
277	The Abundance Pattern of Elements in the Triangulum-Andromeda Overdensity. 2020 , 901, 27		
276	APOGEE-2S view of the globular cluster Patchick 125 (Gran 3). New metallicity and elemental abundances from high-resolution spectroscopy.		0
275	The non-monotonic, strong metallicity dependence of the wide-binary fraction. 2021 , 501, 4329-4343		10
274	Estimation of ages and masses via carbon and nitrogen abundances for 556 007 giants from LAMOST. 2021 , 21, 216		

273	The Astrophysical Variance in Gaia Radial Velocity Spectrometer Spectra. 2021 , 921, 78		1
272	The Most Metal-poor Stars in the Magellanic Clouds Are r-process Enhanced*. <i>Astronomical Journal</i> , 2021 , 162, 229	4-9	5
271	The Impact of Black Hole Formation on Population-averaged Supernova Yields. 2021 , 921, 73		5
270	The formation of the Milky Way halo and its dwarf satellites: A NLTE-D abundance analysis. V. The Sextans galaxy.		1
269	CAPOS: The bulge Cluster APOgee Survey. III. Spectroscopic tomography of Tonantzintla 2.		0
268	Kinematic properties of white dwarfs. Galactic orbital parameters and age-velocity dispersion relation.		3
267	New Families in our Solar Neighborhood: Applying Gaussian Mixture Models for Objective Classification of Structures in the Milky Way and in Simulations. 2021 , 921, 106		3
266	An extremely hot white dwarf with a rapidly rotating K-type subgiant companion: UCAC2 46706450. 2020 , 642, A228		2
265	Estimating Atmospheric Parameters of DA White Dwarf Stars with Deep Learning. <i>Astronomical Journal</i> , 2020 , 160, 236	4-9	
264	The Milky Way $\bar{\gamma}$ bar structural properties from gravitational waves. 2020 , 500, 4958-4971		2
263	Two Portions of the Sagittarius Stream in the LAMOST Complete Spectroscopic Survey of Pointing Area at the Southern Galactic Cap. 2020 , 904, 61		0
262	The Cannon: A Data Driving Approach to Stellar Label Determination. 2020 , 44, 413-427		
261	OUP accepted manuscript.		0
260	Tracing the Origin of Moving Groups. III. Detecting Moving Groups in LAMOST DR7. 2021 , 922, 105		1
259	The relative calibration of radial velocity for LAMOST medium resolution stellar spectra. 2021 , 21, 265		0
258	Exploring the Stellar Rotation of Early-type Stars in the LAMOST Medium-resolution Survey. II. Statistics. 2021 , 921, 145		2
257	SDSS-IV MaStar: Theoretical atmospheric parameters for the MaNGA stellar library.		3
256	Survey of Surveys I. The largest catalogue of radial velocities for the Galaxy.		1

255	The SAPP pipeline for the determination of stellar abundances and atmospheric parameters of stars in the core program of the PLATO mission.	0
254	Photo-astrometric distances, extinctions, and astrophysical parameters for Gaia EDR3 stars brighter than $G = 18.5$.	5
253	Distances, extinctions and stellar parameters for stars in SkyMapper DR3.	1
252	Stellar Rotation in the Gaia Era: Revised Open Clusters Sequences. 2021 , 257, 46	6
251	Metallicities in M dwarfs: Investigating different determination techniques.	2
250	The Flattening Metallicity Gradient in the Milky Way's Thin Disk. 2021 , 922, 189	3
249	Spatial and Kinematic Clustering of Stars in the Galactic Disk. 2021 , 922, 49	1
248	Evidence of Rocky Planet Engulfment in the Wide Binary System HIP 71726/HIP 71737. 2021 , 922, 129	0
247	Exploring the Stellar Rotation of Early-type Stars in the LAMOST Medium-resolution Survey. I. Catalog. 2021 , 257, 22	3
246	Rapid early gas accretion for the inner Galactic disc. A case for a short accretion timescale.	
245	Simultaneous Constraints on the Star Formation History and Nucleosynthesis of Sculptor dSph. 2022 , 925, 66	2
244	The Abundance of S-Process Elements: Temporal and Spatial Trends from Open Cluster Observations. 2022 , 8, 64	
243	An Eccentric Brown Dwarf Eclipsing an M dwarf. <i>Astronomical Journal</i> , 2022 , 163, 89	4.9 2
242	J-PLUS: Stellar parameters, C, N, Mg, Ca and $[\alpha/\text{Fe}]$ abundances for two million stars from DR1.	0
241	The Milky Way Revealed by Variable Stars. I. Sample Selection of RR Lyrae Stars and Evidence for Merger History. 2022 , 258, 20	0
240	On the Variation in Stellar Enhancements of Star-forming Galaxies in the EAGLE Simulation. 2022 , 924, 73	
239	Mapping the Galactic Metallicity Gradient with Open Clusters: The State-of-the-Art and Future Challenges. 2022 , 8, 87	2
238	Beyond the Local Volume. I. Surface Densities of Ultracool Dwarfs in Deep HST/WFC3 Parallel Fields. 2022 , 924, 114	1

237	SDSS-IV MaStar: Data-driven Parameter Derivation for the MaStar Stellar Library. <i>Astronomical Journal</i> , 2022 , 163, 56	4.9	2
236	The Spectroscopic Binaries from the LAMOST Medium-resolution Survey. I. Searching for Double-lined Spectroscopic Binaries with a Convolutional Neural Network. 2022 , 258, 26		0
235	SUPPNet: Neural network for stellar spectrum normalisation.		0
234	Determination of Sodium Abundance Ratio from Low-resolution Stellar Spectra and Its Applications. 2022 , 925, 35		0
233	Chemo-kinematics of the Milky Way spiral arms and bar resonances: Connection to ridges and moving groups in the Solar vicinity.		1
232	State-Resolved Mutual Neutralization of Mg^{+} and D^{-} . 2022 , 128, 033401		0
231	Beyond Spectroscopy. I. Metallicities, Distances, and Age Estimates for Over 20 Million Stars from SMSS DR2 and Gaia EDR3. 2022 , 925, 164		4
230	Burton's Curse: The Impact of Bulk Flows on the Galactic Longitude-Velocity Diagram and the Illusion of a Continuous Perseus Arm. 2022 , 925, 201		2
229	Interpolation of spectra from 3D model atmospheres.		
228	Functional Data Analysis for Extracting the Intrinsic Dimensionality of Spectra: Application to Chemical Homogeneity in the Open Cluster M67. 2022 , 926, 51		0
227	The Gaia-ESO Survey: Age-chemical-clock relations spatially resolved in the Galactic disc.		3
226	Milky Way Star Clusters and Gaia: A Review of the Ongoing Revolution. 2022 , 8, 111		2
225	A selection function toolbox for subsets of astronomical catalogues. 2022 , 510, 4626-4638		0
224	Reconstructing the Last Major Merger of the Milky Way with the H3 Survey. 2021 , 923, 92		19
223	Measuring the Mass of the Large Magellanic Cloud with Stellar Streams Observed by S 5. 2021 , 923, 149		11
222	Exploring the S-process History in the Galactic Disk: Cerium Abundances and Gradients in Open Clusters from the OCCAM/APOGEE Sample. 2022 , 926, 154		1
221	The Influence of 10 Unique Chemical Elements in Shaping the Distribution of Kepler Planets. <i>Astronomical Journal</i> , 2022 , 163, 128	4.9	0
220	Quantifying radial migration in the Milky Way: inefficient over short time-scales but essential to the very outer disc beyond ~ 15 kpc. 2022 , 511, 5639-5655		2

219	Measuring Chemical Likeness of Stars with Relevant Scaled Component Analysis. 2022 , 926, 193		
218	The K2 Galactic Archaeology Program Data Release 3: Age-abundance Patterns in C108 and C1018. 2022 , 926, 191		2
217	The Global Dynamical Atlas of the Milky Way Mergers: Constraints from Gaia EDR3-Based Orbits of Globular Clusters, Stellar Streams, and Satellite Galaxies. 2022 , 926, 107		8
216	Strong CO absorption features in massive ETGs. 2022 , 512, 378-400		0
215	The Homogeneity of the Star-forming Environment of the Milky Way Disk over Time. 2022 , 926, 144		3
214	The 3D Kinematics of the Orion Nebula Cluster: NIRSPEC-AO Radial Velocities of the Core Population. 2022 , 926, 141		2
213	How Many Elements Matter?. 2022 , 927, 209		2
212	A New Detached Binary USNO-B1.0 1421-0485411 with the Secondary Component having Large Albedo. <i>Astronomical Journal</i> , 2022 , 163, 167	4-9	1
211	From giant clumps to clouds III. The emergence of thick disc kinematics from the conditions of star formation in high redshift gas rich galaxies. 2022 , 512, 3806-3814		5
210	The Seventeenth Data Release of the Sloan Digital Sky Surveys: Complete Release of MaNGA, MaStar, and APOGEE-2 Data. 2022 , 259, 35		24
209	APOGEE Net: An Expanded Spectral Model of Both Low-mass and High-mass Stars. <i>Astronomical Journal</i> , 2022 , 163, 152	4-9	1
208	Identification, mass, and age of primary red clump stars from spectral features derived with the LAMOST DR7. 2022 , 512, 1710-1721		
207	The Stellar SnakeII: Whole Structure and Properties.		0
206	The Value-added Catalog for LAMOST DR8 Low-resolution Spectra. 2022 , 259, 51		2
205	Observational constraints on the origin of the elements. IV. Standard composition of the Sun.		1
204	Local variations of the stellar velocity ellipsoid-II: the effect of the bar in the inner regions of Auriga galaxies.		
203	Similarities behind the high- and low- α -disc: small intrinsic abundance scatter and migrating stars. 2022 , 512, 2890-2910		1
202	Stellar Abundance Maps of the Milky Way Disk. 2022 , 928, 23		3

201	The Global Structure of the Milky Way's Stellar Halo Based on the Orbits of Local Metal-poor Stars. 2022 , 927, 145	0
200	Unicorns and Giraffes in the binary zoo: stripped giants with subgiant companions.	6
199	Turning points in the age-metallicity relations created by late satellite infall and enhanced by radial migration. 2022 , 512, 4697-4714	2
198	Combined APOGEE-GALAH stellar catalogues using the Cannon.	0
197	The VMC survey XLVIII. Classical cepheids unveil the 3D geometry of the LMC. 2022 , 512, 563-582	2
196	Detailed Chemical Abundances for a Benchmark Sample of M Dwarfs from the APOGEE Survey. 2022 , 927, 123	0
195	Stellar multiplicity and stellar rotation: insights from APOGEE. 2022 , 512, 2051-2061	1
194	Kinematical Analysis of Substructure in the Southern Periphery of the Large Magellanic Cloud. 2022 , 928, 95	0
193	A Guide to Realistic Uncertainties on the Fundamental Properties of Solar-type Exoplanet Host Stars. 2022 , 927, 31	2
192	Overview of the LAMOST survey in the first decade.. 2022 , 3, 100224	1
191	Estimation of Stellar Atmospheric Parameters with Light Gradient Boosting Machine Algorithm and Principal Component Analysis. <i>Astronomical Journal</i> , 2022 , 163, 153	4.9 1
190	SEGUE-2: Old Milky Way Stars Near and Far. 2022 , 259, 60	0
189	The Open Cluster Chemical Abundances and Mapping Survey. V. Chemical Abundances of CTIO/Hydra Clusters Using The Cannon. <i>Astronomical Journal</i> , 2022 , 163, 195	4.9 0
188	Galactic Archaeological Excavations (GALILEO). I. An updated census of APOGEE N-rich giants across the Milky Way.	0
187	Is Terzan the remnant of a building block of the Galactic bulge? Evidence from APOGEE.	
186	Spirals in Galaxies. 2022 , 60,	1
185	Exoplanets in the Galactic context: planet occurrence rates in the thin disc, thick disc, and stellar halo of Kepler stars. 2022 , 510, 3449-3459	2
184	APOGEE Chemical Abundance Patterns of the Massive Milky Way Satellites. 2021 , 923, 172	7

183	Final Targeting Strategy for the Sloan Digital Sky Survey IV Apache Point Observatory Galactic Evolution Experiment 2 North Survey. <i>Astronomical Journal</i> , 2021 , 162, 302	4.9	3
182	Predicting the Water Content of Interstellar Objects from Galactic Star Formation Histories. 2022 , 924, L1		0
181	Stellar Rotation of T Tauri Stars in the Orion Star-forming Complex. 2021 , 923, 177		2
180	Fuzzy Cluster Analysis: Application to Determining Metallicities for Very Metal-poor Stars. 2021 , 923, 183		
179	Orbits of globular clusters computed with dynamical friction in the Galactic anisotropic velocity dispersion field. 2022 , 510, 5945-5962		0
178	Stars in the local galactic thick disc and halo in Gaia EDR3: a catalogue of half a million local main-sequence stars with photometric metallicities. 2022 , 510, 4308-4329		2
177	APOGEE detection of N-rich stars in the tidal tails of Palomar 5. 2022 , 510, 3727-3733		0
176	Final Targeting Strategy for the SDSS-IV APOGEE-2S Survey. <i>Astronomical Journal</i> , 2021 , 162, 303	4.9	4
175	3D Parameter Maps of Red Clump Stars in the Milky Way: Absolute Magnitudes and Intrinsic Colors. 2021 , 923, 145		0
174	Chemo-dynamics and asteroseismic ages of seven metal-poor red giants from the Kepler field. 2021 , 510, 1733-1747		0
173	The kinematic properties of Milky Way stellar halo populations. 2022 , 510, 5119-5141		2
172	One Star to Tag Them All (OSTTA). I. Radial velocities and chemical abundances for 20 poorly studied open clusters.		1
171	The MAVERIC survey: A catalogue of radio sources in southern globular clusters from the Australia Telescope Compact Array.		3
170	The Gaia-ESO Survey: Chemical tagging in the thin disk. Open clusters blindly recovered in the elemental abundance space.		
169	APOGEE-2S Mg-Al anti-correlation of the metal-poor globular cluster NGC 2298.		0
168	Data_Sheet_1.CSV. 2019 ,		
167	Data_Sheet_2.CSV. 2019 ,		
166	The Open Cluster Chemical Abundances and Mapping Survey. VII. APOGEE DR17 [C/N] Age Calibration. <i>Astronomical Journal</i> , 2022 , 163, 229	4.9	1

165	The Milky Way tomography with APOGEE: intrinsic density distribution and structure of mono-abundance populations.	0
164	The Gaia-ESO Public Spectroscopic Survey: Implementation, data products, open cluster survey, science, and legacy.	3
163	Rotation Distributions around the Kraft Break with TESS and Kepler: The Influences of Age, Metallicity, and Binarity. 2022 , 930, 7	2
162	Massive Young Stellar Objects in the Galactic Center. II. Seeing Through the Ice-rich Envelopes. 2022 , 930, 16	0
161	The chemo-dynamical groups of Galactic Globular Clusters.	2
160	Chemical evolution of ytterbium in the Galactic disc.	0
159	Neutron-capture elements record the ordered chemical evolution of the disc over time.	0
158	A Young, Low-density Stellar Stream in the Milky Way Disk: Theia 456. <i>Astronomical Journal</i> , 2022 , 163, 275	4.9 0
157	Residual Abundances in GALAH DR3: Implications for Nucleosynthesis and Identification of Unique Stellar Populations. 2022 , 931, 23	1
156	The SDSS-HET Survey of Kepler Eclipsing Binaries. A Sample of Four Benchmark Binaries. 2022 , 931, 75	
155	Reliable stellar abundances of individual stars with the MUSE integral-field spectrograph.	
154	Three-dimensional extinction maps: Inverting inter-calibrated extinction catalogues.	0
153	Boltzmann-Poisson-like approach to simulating the galactic halo response to satellite accretion. Dependence on the halo density profile.	0
152	S-type Stars Discovered in Medium-resolution Spectra of LAMOST DR9. 2022 , 931, 133	0
151	Stellar migration in the Auriga simulations.	1
150	3D elemental abundances of stars at formation across the histories of Milky Way-mass galaxies in the FIRE simulations.	1
149	New Fe i Level Energies and Line Identifications from Stellar Spectra. III. Initial Results from UV, Optical, and Infrared Spectra. 2022 , 260, 28	
148	Extra-tidal star candidates in globular clusters of the Sagittarius dwarf Spheroidal galaxy.	

147	Chemical Cartography with APOGEE: Mapping Disk Populations with a 2-process Model and Residual Abundances. 2022 , 260, 32	1
146	Stellar Atmospheric Parameters of M-type Stars from LAMOST DR8. 2022 , 260, 45	
145	Estimating atmospheric parameters from LAMOST low-resolution spectra with low SNR.	1
144	Age determination of galaxy merger remnant stars using asteroseismology. 2022 , 514, 2527-2544	0
143	Four-hundred Very Metal-poor Stars Studied with LAMOST and Subaru. I. Survey Design, Follow-up Program, and Binary Frequency. 2022 , 931, 146	0
142	APOGEE-centric Ananke Simulations in a SciServer SQL Database. 2022 , 6, 125	
141	60 Candidate High-velocity Stars Originating from the Sagittarius Dwarf Spheroidal Galaxy in Gaia EDR3. 2022 , 933, L13	0
140	Multiplicity Statistics of Stars in the Sagittarius Dwarf Spheroidal Galaxy: Comparison to the Milky Way. 2022 , 933, L18	
139	Blanco DECam Bulge Survey (BDBS). V. Cleaning the foreground populations from Galactic bulge colour-magnitude diagrams using Gaia EDR3.	0
138	The 3D Galactocentric Velocities of Kepler Stars: Marginalizing Over Missing Radial Velocities. <i>Astronomical Journal</i> , 2022 , 164, 25	4.9
137	Mass-ratio Distribution of Binaries from the LAMOST-MRS Survey. 2022 , 933, 119	0
136	Low mass young stars in the Milky Way unveiled by DBSCAN and Gaia EDR3: Mapping the star forming regions within 1.5 Kpc.	1
135	Our Galaxy's youngest disc.	0
134	Non-LTE abundance corrections for late-type stars from 2000 to 3microm. I. Na, Mg, and Al.	0
133	Quantifying kinematic substructure in star-forming regions with statistical tests of spatial autocorrelation..	0
132	Blanco DECam Bulge Survey (BDBS) IV: Metallicity distributions and bulge structure from 2.6 million red clump stars.	0
131	Evidence for C and Mg variations in the GD-1 stellar stream.	2
130	Further Evidence of Modified Spin-down in Sun-like Stars: Pileups in the TemperaturePeriod Distribution. 2022 , 933, 114	0

- 129 The K2 Galactic Archaeology Program: Overview, target selection and survey properties.
- 128 An Old, Metal-rich Accreted Stellar Component in the Milky Way Stellar Disk. **2022**, 934, 21 2
- 127 An Updated View of the Milky Way from Maser Astrometry. **2022**, 8, 390
- 126 Towards a fully consistent Milky Way disk model. V. The disk model for 4 to 14 kpc. 0
- 125 CoSHA: Code for Stellar Properties Heuristic Assignment for the MaStar Stellar Library. **2022**, 261, 20 0
- 124 The stellar parameters and elemental abundances from low-resolution spectra I: 1.2 million giants from LAMOST DR8. 1
- 123 A Model RRNet for Spectral Information Exploitation and LAMOST Medium-resolution Spectrum Parameter Estimation. **2022**, 261, 36 2
- 122 High-resolution near-infrared spectroscopy of globular cluster and field stars toward the Galactic bulge.
- 121 Reconstructing the Disrupted Dwarf Galaxy Gaia-Sausage/Enceladus Using Its Stars and Globular Clusters. **2022**, 935, 109 1
- 120 The Open Cluster Chemical Abundances and Mapping Survey. VI. Galactic Chemical Gradient Analysis from APOGEE DR17. **2022**, 164, 85 0
- 119 Evidence of Deep Mixing in IRS 7, a Cool Massive Supergiant Member of the Galactic Nuclear Star Cluster. 0
- 118 Birth of a Be star: an APOGEE search for Be stars forming through binary mass transfer. 1
- 117 Abundance analysis of APOGEE spectra for 58 metal-poor stars from the bulge spheroid. 0
- 116 Mass and Age Determination of the LAMOST Data with Different Machine-learning Methods. **2022**, 262, 20 0
- 115 The Unmixed Debris of Gaia-Sausage/Enceladus in the Form of a Pair of Halo Stellar Overdensities. **2022**, 936, L2
- 114 Chemodynamical Signatures of Bar Resonances in the Galactic Disk: Current Data and Future Prospects. **2022**, 935, 28
- 113 Chemical and stellar properties of early-type dwarf galaxies around the Milky Way. **2022**, 6, 911-922
- 112 Is Thermohaline Mixing the Full Story? Evidence for Separate Mixing Events near the Red Giant Branch Bump. **2022**, 935, L30 0

111	Reading the CARDS: The Imprint of Accretion History in the Chemical Abundances of the Milky Way's Stellar Halo. 2022 , 934, 172	1
110	The Sagittarius stream in Gaia Early Data Release 3 and the origin of the bifurcations.	0
109	The missing radial velocities of Gaia: Blind predictions for DR3. 2022 , 516, 3398-3410	1
108	The Pristine survey XVI. The metallicity of 26 stellar streams around the Milky Way detected with the STREAMFINDER in Gaia EDR3. 2022 , 516, 5331-5354	2
107	External upgrades to improve the RV precision of the APOGEE Spectrographs. 2022 ,	0
106	Trumpler 16-26: a new centrifugal magnetosphere star discovered via SDSS/APOGEE H-band spectroscopy. 2022 , 516, 2812-2823	0
105	Starspots and magnetism: Testing the activity paradigm in the pleiades and M67.	0
104	The neutron-capture and elements abundance ratios scatter in old stellar populations: cosmological simulations of the stellar halo. 2022 , 516, 6075-6095	0
103	A machine learning approach to photometric metallicities of giant stars. 2022 , 516, 5521-5537	0
102	Potential Signature of Population III Pair-instability Supernova Ejecta in the BLR Gas of the Most Distant Quasar at $z = 7.54^*$. 2022 , 937, 61	0
101	LAMOST meets Gaia: The Galactic open clusters.	1
100	A Census of the 32 Ori Association with Gaia*. 2022 , 164, 151	0
99	White Dwarf Binaries across the H-R Diagram. 2022 , 164, 126	0
98	The Atari Disk, a Metal-poor Stellar Population in the Disk System of the Milky Way. 2022 , 936, 78	2
97	BACCHUS Analysis of Weak Lines in APOGEE Spectra (BAWLAS). 2022 , 262, 34	0
96	LAMOST Medium-Resolution Spectroscopic Survey of Binarity and Exotic Star (LAMOST-MRS-B): Observation Strategy and Target Selection.	0
95	The merger and assembly histories of Milky Way- and M31-like galaxies with TNG50: disc survival through mergers. 2022 , 516, 5404-5427	2
94	Gravitational Wave Sources in Our Galactic Backyard: Predictions for BHBH, BHNS, and NSNS Binaries Detectable with LISA. 2022 , 937, 118	0

- 93 The star formation history of Upper Scorpius and Ophiuchus. A 7D picture: positions, kinematics, and dynamical traceback ages. 0
- 92 Titanium abundances in late-type stars. I. 1D non-local thermodynamic equilibrium modelling in benchmark dwarfs and giants. 0
- 91 Establishing the accuracy of asteroseismic mass and radius estimates of giant stars III. Revised stellar masses and radii for KIC 8430105. **2022**, 517, 4187-4201 0
- 90 On the Stability of Tidal Streams in Action Space. **2022**, 939, 2 0
- 89 Ca triplet metallicities and velocities for 12 globular clusters toward the galactic bulge. 0
- 88 The galah survey: Chemical clocks. 0
- 87 The Galactic chemical evolution of phosphorus observed with IGRINS. 0
- 86 Fundamental effective temperature measurements for eclipsing binary stars III. The detached F-type eclipsing binary CPD-54B10. 0
- 85 KIC 7955301: A hierarchical triple system with eclipse timing variations and an oscillating red giant. 0
- 84 High-velocity Stars in SDSS/APOGEE DR17. **2022**, 164, 187 0
- 83 Constraints on the Galactic Centre environment from Gaia hypervelocity stars II: The evolved population. **2022**, 517, 3469-3484 1
- 82 scone: a cosmic web finder for spherical and conic geometries. **2022**, 517, 1197-1217 0
- 81 Lithium, masses, and kinematics of young Galactic dwarf and giant stars with extreme $[\alpha/\text{Fe}]$ ratios. 0
- 80 Spinning up the Surface: Evidence for Planetary Engulfment or Unexpected Angular Momentum Transport?. **2022**, 940, 23 0
- 79 The evolution of CNO elements in galaxies. **2022**, 30, 0
- 78 The Stellar Halo of the Galaxy is Tilted and Doubly Broken. **2022**, 164, 249 3
- 77 ERGO-ML I: Inferring the assembly histories of IllustrisTNG galaxies from integral observable properties via invertible neural networks. 0
- 76 The Gaia-ESO survey: Mapping the shape and evolution of the radial abundance gradients with open clusters. 0

75	The Gaia-ESO survey: Placing constraints on the origin of r-process elements.	0
74	First r-process enhanced star confirmed as a member of the Galactic bulge.	0
73	Laboratory and Astronomical Detection of the SiP Radical (X ₂ Si): More Circumstellar Phosphorus. 2022 , 940, L11	0
72	Updated Low-temperature Gas Opacities with BOPUS 2.0. 2022 , 940, 129	0
71	Blanco DECam Bulge Survey (BDBS). VII. Multiple Populations in Globular Clusters of the Galactic Bulge. 2022 , 940, 76	0
70	Comparative analysis of atmospheric parameters from high-resolution spectroscopic sky surveys: APOGEE, GALAH, Gaia-ESO.	0
69	The Gaia-ESO Survey: Old super-metal-rich visitors from the inner Galaxy.	0
68	The metallicity distribution in the core of the Sagittarius dwarf spheroidal: Minimising the metallicity biases.	0
67	Searching for the extra-tidal stars of globular clusters using high-dimensional analysis and a core particle spray code. 2022 , 518, 4249-4264	1
66	Can ultralight dark matter explain the age-velocity dispersion relation of the Milky Way disc: A revised and improved treatment. 2022 , 518, 4045-4063	1
65	The Poor Old Heart of the Milky Way. 2022 , 941, 45	2
64	Characterizing Observed Extra Mixing Trends in Red Giants using the Reduced Density Ratio from Thermohaline Models. 2022 , 941, 164	0
63	FIRE-3: Updated stellar evolution models, yields, & microphysics and fitting functions for applications in galaxy simulations.	0
62	Stellar Loci. VI. An Updated Catalog of the Best and Brightest Metal-poor Stars. 2022 , 263, 29	0
61	Near-infrared chemical abundances of stars in the Sculptor dwarf galaxy.	0
60	A comparative analysis of the chemical compositions of Gaia-Enceladus/Sausage and Milky Way satellites using APOGEE.	0
59	The Pristine Inner Galaxy Survey (PIGS) [VI]. Different vertical distributions between two DIBs at 442.8 nm and 862.1 nm. 2022 , 519, 754-766	0
58	A measurement of the distance to the Galactic centre using the kinematics of bar stars. 2022 , 519, 948-960	2

57	An Interpretable Machine-learning Framework for Modeling High-resolution Spectroscopic Data*. 2022 , 941, 200	1
56	Sub-Jovian desert of exoplanets at its boundaries. Parameter dependence along the main sequence.	1
55	Deep Potential: Recovering the Gravitational Potential from a Snapshot of Phase Space. 2023 , 942, 26	0
54	Stellar initial mass function varies with metallicity and time. 2023 , 613, 460-462	0
53	A Low-mass, Pre-main-sequence Eclipsing Binary in the 40 Myr Columba Association: Fundamental Stellar Parameters and Modeling the Effect of Star Spots. 2023 , 165, 46	0
52	Stellar Properties for a Comprehensive Collection of Star-forming Regions in the SDSS APOGEE-2 Survey*. 2023 , 165, 51	0
51	The multi-zone chemical evolution of the Galactic bulge: predicting abundances for different radial zones.	0
50	The Eclipsing Binaries from the LAMOST Medium-resolution Survey. III. A High-precision Empirical Stellar Mass Library. 2023 , 165, 30	0
49	The Relationship between Age, Metallicity, and Abundances for Disk Stars in a Simulated Milky Way. 2023 , 942, 35	0
48	A Census of the Taurus Star-forming Region and Neighboring Associations with Gaia*. 2023 , 165, 37	0
47	Determination of Distance, extinction, Mass, and Age for Stars in LAMOST DR7.	0
46	Pre-main-sequence Brackett Emitters in the APOGEE DR17 Catalog: Line Strengths and Physical Properties of Accretion Columns. 2023 , 942, 22	0
45	Measuring the Streaming motion in the Milky Way disc with Gaia EDR3+..	0
44	PISN-explorer: hunting the descendants of very massive first stars. 2023 , 520, 866-878	1
43	Revealing the Milky Way's most recent major merger with a Gaia EDR3 catalog of machine-learned line-of-sight velocities.	0
42	VISIONS: The VISTA Star Formation Atlas. I. Survey overview.	0
41	The Chemical Enrichment of the Milky Way Disk Evaluated Using Conditional Abundances. 2023 , 943, 92	0
40	M Subdwarf Research. III. Spectroscopic Diagnostics for Breaking Parameter Degeneracy. 2023 , 942, 40	0

- 39 Empirical constraints on the nucleosynthesis of nitrogen. **2023**, 520, 782-803 ○
- 38 Evidence for Population-dependent Vertical Motions and the Long-lived Nonsteady Lopsided Milky Way Warp. **2023**, 943, 88 ○
- 37 The imprint of bursty star formation on alpha-element abundance patterns in Milky Way-like galaxies. **2023**, 520, 1672-1686 ○
- 36 A wide-field view on multiple stellar populations in 28 Milky Way globular clusters. **2023**, 520, 1456-1480 ○
- 35 Timing the formation of the galactic thin disc with asteroseismic stellar ages. **2023**, 520, 1913-1927 ○
- 34 Mapping progenitors of binary black holes and neutron stars with binary population synthesis. **2023**, 520, 935-947 ○
- 33 GalCEM. I. An Open-source Detailed Isotopic Chemical Evolution Code. **2023**, 264, 44 ○
- 32 The Observable Properties of Galaxy Accretion Events in Milky Way-like Galaxies in the FIRE-2 Cosmological Simulations. **2023**, 943, 158 ○
- 31 An Ap Star Catalog Based on LAMOST DR9. **2023**, 943, 147 ○
- 30 Self-Enrichment in Globular Clusters: The Crucial Role Played by Oxygen. **2023**, 9, 84 ○
- 29 Dynamically constraining the length of the Milky way bar. **2023**, 520, 4779-4792 1
- 28 The Gaia-ESO Survey: Chemical evolution of Mg and Al in the Milky Way with machine learning. **2023**, 672, A46 ○
- 27 Untangling the Sources of Abundance Dispersion in Low-metallicity Stars. **2023**, 944, 47 ○
- 26 The SPHINX M-dwarf Spectral Grid. I. Benchmarking New Model Atmospheres to Derive Fundamental M-dwarf Properties. **2023**, 944, 41 1
- 25 A Study of Stellar Spins in 15 Open Clusters. **2023**, 944, 39 ○
- 24 Dynamical data mining captures disc halo couplings that structure galaxies. **2023**, 521, 1757-1774 ○
- 23 VINTERGATAN-GM: The cosmological imprints of early mergers on Milky-Way-mass galaxies. **2023**, 521, 995-1012 ○
- 22 Unravelling the mass spectrum of destroyed dwarf galaxies with the metallicity distribution function. **2023**, 520, 6091-6103 ○

- 21 Spectroscopic r-Process Abundance Retrieval for Kilonovae. I. The Inferred Abundance Pattern of Early Emission from GW170817. **2023**, 944, 123 ○
- 20 Photometric Calibrations of M-dwarf Metallicity with Markov Chain Monte Carlo and Bayesian Inference. **2023**, 944, 106 ○
- 19 A Swing of the Pendulum: The Chemodynamics of the Local Stellar Halo Indicate Contributions from Several Radial Merger Events. **2023**, 944, 169 ○
- 18 Planetary Orbit Eccentricity Trends (POET). I. The EccentricityMetallicity Trend for Small Planets Revealed by the LAMOSTGaiaKepler Sample. **2023**, 165, 125 ○
- 17 A kinematic calibration of the O-rich Mira variable period-age relation fromGaia. **2023**, 521, 1462-1478 ○
- 16 Robust clustering of the local Milky Way stellar kinematic substructures withGaiaeDR3. **2023**, 521, 2623-2648 ○
- 15 Hidden deep in the halo: selection of a reduced proper motion halo catalogue and mining retrograde streams in the velocity space. **2023**, 521, 2087-2102 ○
- 14 Extinction of Taurus, Orion, Perseus, and California Molecular Clouds Based on the LAMOST, 2MASS, and Gaia Surveys. I. 3D Extinction and Structure. **2023**, 945, 132 ○
- 13 Can radial motions in the stellar halo constrain the rate of change of mass in the Galaxy?. **2023**, 521, 4074-4084○
- 12 Are Milky-Way-like galaxies like the Milky Way? A view from SDSS-IV/MaNGA. **2023**, 521, 5810-5825 ○
- 11 The origin of free-floating planets. **2023**, 368, ○
- 10 Chemodynamical Analysis of Metal-rich High-eccentricity Stars in the Milky Way's Disk. **2023**, 945, 56 ○
- 9 The Optical to Infrared Extinction Law of Magellanic Clouds Based on Red Supergiants and Classical Cepheids. **2023**, 946, 43 ○
- 8 StarHorse results for spectroscopic surveys and Gaia DR3: Chrono-chemical populations in the solar vicinity, the genuine thick disk, and young alpha-rich stars. ○
- 7 A Spectroscopic Analysis of a Sample of K2 Planet-host Stars: Stellar Parameters, Metallicities and Planetary Radii. **2023**, 946, 61 ○
- 6 The Circular Velocity Curve of the Milky Way from 525 kpc Using Luminous Red Giant Branch Stars. **2023**, 946, 73 ○
- 5 Search for a Black Hole Binary in Gaia DR3 Astrometric Binary Stars with Spectroscopic Data. **2023**, 946, 79 ○
- 4 Characterization of Low-mass Companions to Kepler Objects of Interest Observed with APOGEE-N. **2023**, 265, 50 ○

- 3 Overview of the DESI Milky Way Survey. **2023**, 947, 37 1
- 2 The Effect of the LMC on the Milky Way System. **2023**, 11, 59 0
- 1 Peeking beneath the precision floor III. Probing the chemo-dynamical histories of the potential globular cluster siblings, NGC 288 and NGC 362. **2023**, 522, 4404-4420 0