

Richard R Lane

List of Publications by Year in descending order

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201674

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docs citations

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times ranked

6025
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#	ARTICLE	IF	CITATIONS
1	Evidence for Impact of Galaxy Mergers on Stellar Kinematics of Early-type Galaxies. <i>Astrophysical Journal</i> , 2022, 925, 168.	4.5	10
2	Quantifying radial migration in the Milky Way: inefficient over short time-scales but essential to the very outer disc beyond ~ 15 kpc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 5639-5655.	4.4	16
3	The Seventeenth Data Release of the Sloan Digital Sky Surveys: Complete Release of MaNGA, MaStar, and APOGEE-2 Data. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 35.	7.7	405
4	APOGEE Net: An Expanded Spectral Model of Both Low-mass and High-mass Stars. <i>Astronomical Journal</i> , 2022, 163, 152.	4.7	16
5	Detailed Chemical Abundances for a Benchmark Sample of M Dwarfs from the APOGEE Survey. <i>Astrophysical Journal</i> , 2022, 927, 123.	4.5	12
6	Kinematical Analysis of Substructure in the Southern Periphery of the Large Magellanic Cloud. <i>Astrophysical Journal</i> , 2022, 928, 95.	4.5	4
7	Galactic Archaeological Excavations (GALILEO). <i>Astronomy and Astrophysics</i> , 2022, 663, A126.	5.1	13
8	Is Terzan 5 the remnant of a building block of the Galactic bulge? Evidence from APOGEE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 3429-3443.	4.4	1
9	APOGEE detection of N-rich stars in the tidal tails of Palomar 5. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 3727-3733.	4.4	5
10	Photometric Signature of Ultraharmonic Resonances in Barred Galaxies. <i>Astrophysical Journal</i> , 2022, 929, 112.	4.5	5
11	APOGEE-2S Mg-Al anti-correlation of the metal-poor globular cluster NGC 2298. <i>Astronomy and Astrophysics</i> , 2022, 662, A47.	5.1	3
12	The Open Cluster Chemical Abundances and Mapping Survey. VII. APOGEE DR17 [C/N] Age Calibration. <i>Astronomical Journal</i> , 2022, 163, 229.	4.7	8
13	The Milky Way tomography with APOGEE: intrinsic density distribution and structure of mono-abundance populations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 4130-4151.	4.4	15
14	Chemical Cartography with APOGEE: Mapping Disk Populations with a 2-process Model and Residual Abundances. <i>Astrophysical Journal, Supplement Series</i> , 2022, 260, 32.	7.7	15
15	SDSS-IV MaNGA gas rotation velocity lags in the final sample of MaNGA galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 1598-1609.	4.4	3
16	SDSS-IV MaNGA: Cannibalism Caught in the Act? On the Frequency of Occurrence of Multiple Cores in Brightest Cluster Galaxies. <i>Astrophysical Journal</i> , 2022, 933, 61.	4.5	2
17	SDSS-IV MaNGA: How the Stellar Populations of Passive Central Galaxies Depend on Stellar and Halo Mass. <i>Astrophysical Journal</i> , 2022, 933, 88.	4.5	5
18	SDSS-IV MaNGA: the "G-dwarf problem" revisited. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2021, 502, L95-L98.	3.3	10

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19	VVV CL001: Likely the Most Metal-poor Surviving Globular Cluster in the Inner Galaxy. <i>Astrophysical Journal Letters</i> , 2021, 908, L42.	8.3	25
20	An enquiry on the origins of N-rich stars in the inner Galaxy based on APOGEE chemical compositions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 1657-1667.	4.4	9
21	The Similarity of Abundance Ratio Trends and Nucleosynthetic Patterns in the Milky Way Disk and Bulge. <i>Astrophysical Journal</i> , 2021, 909, 77.	4.5	36
22	APOGEE discovery of a chemically atypical star disrupted from NGC 6723 and captured by the Milky Way bulge. <i>Astronomy and Astrophysics</i> , 2021, 647, A64.	5.1	20
23	Orbital Torus Imaging: Using Element Abundances to Map Orbits and Mass in the Milky Way. <i>Astrophysical Journal</i> , 2021, 910, 17.	4.5	13
24	The rotation of selected globular clusters and the differential rotation of M3 in multiple populations from the SDSS-IV APOGEE-2 survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 1144-1151.	4.4	6
25	SDSS-IV MaNGA: 3D spin alignment of spiral and S0 galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 4626-4633.	4.4	22
26	Homogeneous analysis of globular clusters from the APOGEE survey with the BACCHUS code. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 1645-1660.	4.4	15
27	APOGEE spectroscopic evidence for chemical anomalies in dwarf galaxies: The case of M 54 and Sagittarius. <i>Astronomy and Astrophysics</i> , 2021, 648, A70.	5.1	22
28	Chemodynamically Characterizing the Jhelum Stellar Stream with APOGEE-2. <i>Astrophysical Journal</i> , 2021, 913, 39.	4.5	3
29	CAPOS: The bulge Cluster APOgee Survey. <i>Astronomy and Astrophysics</i> , 2021, 652, A158.	5.1	13
30	Galaxy Zoo: 3D crowdsourced bar, spiral, and foreground star masks for MaNGA target galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 3923-3935.	4.4	10
31	APOGEE-2 Discovery of a Large Population of Relatively High-metallicity Globular Cluster Debris. <i>Astrophysical Journal Letters</i> , 2021, 918, L37.	8.3	7
32	The distribution of $[\alpha/\text{Fe}]$ in the Milky Way disc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 5903-5920.	4.4	19
33	APOGEE Chemical Abundance Patterns of the Massive Milky Way Satellites. <i>Astrophysical Journal</i> , 2021, 923, 172.	4.5	64
34	The age-chemical abundance structure of the Galactic disc α -dichotomy and thick disc formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 2371-2384.	4.4	39
35	Metallicity and α -Element Abundance Gradients along the Sagittarius Stream as Seen by APOGEE. <i>Astrophysical Journal</i> , 2020, 889, 63.	4.5	51
36	The contribution of N-rich stars to the Galactic stellar halo using APOGEE red giants. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 5462-5478.	4.4	25

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37	Strong chemical tagging with APOGEE: 21 candidate star clusters that have dissolved across the Milky Way disc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 5101-5115.	4.4	25
38	SDSS-IV MaNGA: The link between bars and the early cessation of star formation in spiral galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 1116-1125.	4.4	20
39	The Milky Way's bulge star formation history as constrained from its bimodal chemical abundance distribution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 3557-3570.	4.4	18
40	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.	4.7	86
41	The 16th Data Release of the Sloan Digital Sky Surveys: First Release from the APOGEE-2 Southern Survey and Full Release of eBOSS Spectra. <i>Astrophysical Journal, Supplement Series</i> , 2020, 249, 3.	7.7	826
42	The chemical compositions of accreted and <i>in situ</i> galactic globular clusters according to SDSS/APOGEE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 3363-3378.	4.4	55
43	Homogeneous analysis of globular clusters from the APOGEE survey with the BACCHUS code II. The Southern clusters and overview. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 1641-1670.	4.4	103
44	The chemical properties of the Milky Way's on-bar and off-bar regions: evidence for inhomogeneous star formation history in the bulge. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 282-290.	4.4	9
45	SDSS-IV MaNGA: when is morphology imprinted on galaxies?. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 500, L42-L46.	3.3	7
46	Exploring the Stellar Age Distribution of the Milky Way Bulge Using APOGEE. <i>Astrophysical Journal</i> , 2020, 901, 109.	4.5	28
47	Open Cluster Chemical Homogeneity throughout the Milky Way. <i>Astrophysical Journal</i> , 2020, 903, 55.	4.5	15
48	Exploring the Galactic Warp through Asymmetries in the Kinematics of the Galactic Disk. <i>Astrophysical Journal</i> , 2020, 905, 49.	4.5	30
49	Spatial variations in the Milky Way disc metallicity-age relation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 1742-1752.	4.4	55
50	SDSS-IV MaNGA: environmental dependence of gas metallicity gradients in local star-forming galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 1436-1450.	4.4	18
51	The Fifteenth Data Release of the Sloan Digital Sky Surveys: First Release of MaNGA-derived Quantities, Data Visualization Tools, and Stellar Library. <i>Astrophysical Journal, Supplement Series</i> , 2019, 240, 23.	7.7	299
52	SDSS-IV MaNGA: full spectroscopic bulge-disc decomposition of MaNGA early-type galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 1546-1558.	4.4	26
53	SDSS-IV MaNGA: stellar initial mass function variation inferred from Bayesian analysis of the integral field spectroscopy of early-type galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 5256-5275.	4.4	28
54	Identifying Sagittarius Stream Stars by Their APOGEE Chemical Abundance Signatures. <i>Astrophysical Journal</i> , 2019, 872, 58.	4.5	37

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55	Chemical Cartography with APOGEE: Multi-element Abundance Ratios. <i>Astrophysical Journal</i> , 2019, 874, 102.	4.5	85
56	On the origin of the Monoceros Ring â€” I. Kinematics, proper motions, and the nature of the progenitor. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 4584-4593.	4.4	7
57	Disentangling the Galactic Halo with APOGEE. I. Chemical and Kinematical Investigation of Distinct Metal-poor Populations. <i>Astrophysical Journal</i> , 2018, 852, 49.	4.5	123
58	The Metal-poor non-Sagittarius (?) Globular Cluster NGC 5053: Orbit and Mg, Al, and Si Abundances. <i>Astrophysical Journal</i> , 2018, 855, 38.	4.5	24
59	The Hercules stream as seen by APOGEE-2 South. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 95-101.	4.4	24
60	Disk-like Chemistry of the Triangulum-Andromeda Overdensity as Seen by APOGEE. <i>Astrophysical Journal Letters</i> , 2018, 859, L8.	8.3	24
61	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. <i>Astrophysical Journal, Supplement Series</i> , 2018, 235, 42.	7.7	796
62	APOGEE chemical abundances of globular cluster giants in the inner Galaxy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 1010-1018.	4.4	71
63	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. <i>Astrophysical Journal, Supplement Series</i> , 2017, 233, 25.	7.7	406
64	Sloan Digital Sky Survey IV: Mapping the Milky Way, Nearby Galaxies, and the Distant Universe. <i>Astronomical Journal</i> , 2017, 154, 28.	4.7	1,100
65	Two groups of red giants with distinct chemical abundances in the bulge globular cluster NGC 6553 through the eyes of APOGEE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 19-31.	4.4	39
66	Do galaxy global relationships emerge from local ones? The SDSS IV MaNGA surface mass densityâ€”metallicity relation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 2513-2522.	4.4	77
67	Dark matter deprivation in the field elliptical galaxy NGC 7507. <i>Astronomy and Astrophysics</i> , 2015, 574, A93.	5.1	16
68	SLICING THE MONOCEROS OVERDENSITY WITH SUPRIME-CAM. <i>Astrophysical Journal</i> , 2012, 754, 101.	4.5	27
69	More on the structure of tidal tails. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 420, 2700-2714.	4.4	125
70	The tidal tails of 47 Tucanae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 423, 2845-2853.	4.4	36
71	NO EVIDENCE FOR INTERNAL ROTATION IN THE REMNANT CORE OF THE SAGITTARIUS DWARF. <i>Astrophysical Journal Letters</i> , 2011, 727, L2.	8.3	43
72	AAOMEGA OBSERVATIONS OF 47 TUCANAE: EVIDENCE FOR A PAST MERGER?. <i>Astrophysical Journal Letters</i> , 2010, 711, L122-L126.	8.3	13

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73	Testing Newtonian gravity with AAOmega: mass-to-light profiles and metallicity calibrations from 47 Tuc and M55. Monthly Notices of the Royal Astronomical Society, 2010, 401, 2521-2530.	4.4	48
74	Halo globular clusters observed with AAOmega: dark matter content, metallicity and tidal heating. Monthly Notices of the Royal Astronomical Society, 2010, 406, 2732-2742.	4.4	84
75	Testing Newtonian gravity with AAOmega: mass-to-light profiles of four globular clusters. Monthly Notices of the Royal Astronomical Society, 2009, 400, 917-923.	4.4	56
76	The Anglo-Australian Telescope/Wide Field Imager survey of the Monoceros Ring and Canis Major dwarf galaxy - II. From $\ell = (280-025)^\circ$. Monthly Notices of the Royal Astronomical Society, 2008, , .	4.4	7