David M Nataf

List of Publications by Year
in descending order

68 papers	4,026 citations	136885 32 h-index	118793 62 g-index
68 all docs	68 docs citations	68 times ranked	3047 citing authors

#	Article	IF	Citations
1	The GALAH survey: scientific motivation. Monthly Notices of the Royal Astronomical Society, 2015, 449, 2604-2617.	1.6	535
2	REDDENING AND EXTINCTION TOWARD THE GALACTIC BULGE FROM OGLE-III: THE INNER MILKY WAY'SR_Vâ^¼ 2.5 EXTINCTION CURVE. Astrophysical Journal, 2013, 769, 88.	1.6	404
3	The GALAH+ survey: Third data release. Monthly Notices of the Royal Astronomical Society, 2021, 506, 150-201.	1.6	293
4	The GALAH Survey: second data release. Monthly Notices of the Royal Astronomical Society, 2018, 478, 4513-4552.	1.6	269
5	THE SPLIT RED CLUMP OF THE GALACTIC BULGE FROM OGLE-III. Astrophysical Journal Letters, 2010, 721, L28-L32.	3.0	191
6	Evidence from APOGEE for the presence of a major building block of the halo buried in the inner Galaxy. Monthly Notices of the Royal Astronomical Society, 2020, 500, 1385-1403.	1.6	104
7	Homogeneous analysis of globular clusters from the APOGEE survey with the BACCHUS code â€“ II. The Southern clusters and overview. Monthly Notices of the Royal Astronomical Society, 2020, 492, 1641-1670.	1.6	103
8	Interstellar extinction curve variations towards the inner Milky Way: a challenge to observational cosmology. Monthly Notices of the Royal Astronomical Society, 2016, 456, 2692-2706.	1.6	98
9	CRITERIA FOR SAMPLE SELECTION TO MAXIMIZE PLANET SENSITIVITY AND YIELD FROM SPACE-BASED MICROLENS PARALLAX SURVEYS. Astrophysical Journal, 2015, 810, 155.	1.6	94
10	A new photometric model of the Galactic bar using red clump giants. Monthly Notices of the Royal Astronomical Society, 2013, 434, 595-605.	1.6	92
11	The GALAH survey: An abundance, age, and kinematic inventory of the solar neighbourhood made with TGAS. Astronomy and Astrophysics, 2019, 624, A19.	2.1	91
12	Extremely metal-poor stars from the cosmic dawn in the bulge of the Milky Way. Nature, 2015, 527, 484-487.	13.7	86
13	BEFORE THE BAR: KINEMATIC DETECTION OF A SPHEROIDAL METAL-POOR BULGE COMPONENT. Astrophysical Journal Letters, 2016, 821, L25.	3.0	82
14	OPTIMAL SURVEY STRATEGIES AND PREDICTED PLANET YIELDS FOR THE KOREAN MICROLENSING TELESCOPE NETWORK. Astrophysical Journal, 2014, 794, 52.	1.6	78
15	The EMBLA survey â€“ metal-poor stars in the Galactic bulge. Monthly Notices of the Royal Astronomical Society, 2016, 460, 884-901.	1.6	77
16	RED GIANT BRANCH BUMP BRIGHTNESS AND NUMBER COUNTS IN 72 GALACTIC GLOBULAR CLUSTERS OBSERVED WITH THEHUBBLE SPACE TELESCOPE. Astrophysical Journal, 2013, 766, 77.	1.6	71
17	Constraining the structure and formation of the Galactic bulge from a field in its outskirts. Astronomy and Astrophysics, 2012, 546, A57.	2.1	67
18	THE OPTICAL GRAVITATIONAL LENSING EXPERIMENT: ANALYSIS OF THE BULGE RR LYRAE POPULATION FROM THE OGLE-III DATA. Astrophysical Journal, 2012, 750, 169.	1.6	63

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19	The GALAH survey: the data reduction pipeline. Monthly Notices of the Royal Astronomical Society, 2017, 464, 1259-1281.	1.6	60
20	Strong evidence that the galactic bulge is shining in gamma rays. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 042-042.	1.9	56
21	The chemical compositions of accreted and inÂsitu galactic globular clusters according to SDSS/APOGEE. Monthly Notices of the Royal Astronomical Society, 2020, 493, 3363-3378.	1.6	55
22	OGLE-III DETECTION OF THE ANOMALOUS GALACTIC BULGE RED GIANT BRANCH BUMP: EVIDENCE OF ENHANCED HELIUM ENRICHMENT. Astrophysical Journal, 2011, 730, 118.	1.6	54
23	The Gaia-ESO Survey: the most metal-poor stars in the Galactic bulge. Monthly Notices of the Royal Astronomical Society, 2014, 445, 4241-4246.	1.6	54
24	The K2-HERMES Survey: age and metallicity of the thick disc. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5335-5352.	1.6	54
25	THE GRADIENTS IN THE 47 Tuc RED GIANT BRANCH BUMP AND HORIZONTAL BRANCH ARE CONSISTENT WITH A CENTRALLY CONCENTRATED, HELIUM-ENRICHED SECOND STELLAR GENERATION. Astrophysical Journal, 2011, 736, 94.	1.6	49
26	The Relationship between Globular Cluster Mass, Metallicity, and Light-element Abundance Variations. Astronomical Journal, 2019, 158, 14.	1.9	45
27	The GALAH survey: verifying abundance trends in the open cluster M67 using non-LTE modelling. Monthly Notices of the Royal Astronomical Society, 2018, 481, 2666-2684.	1.6	41
28	The X-shaped Milky Way bulge in OGLE-IIIâ˜… photometry and in N-body models. Monthly Notices of the Royal Astronomical Society, 2015, 447, 1535-1549.	1.6	40
29	Diffuse Galactic antimatter from faint thermonuclear supernovae in old stellar populations. Nature Astronomy, 2017, 1, .	4.2	40
30	The GALAH survey: properties of the Galactic disc(s) in the solar neighbourhood. Monthly Notices of the Royal Astronomical Society, 2018, 476, 5216-5232.	1.6	36
31	The Similarity of Abundance Ratio Trends and Nucleosynthetic Patterns in the Milky Way Disk and Bulge. Astrophysical Journal, 2021, 909, 77.	1.6	36
32	The GALAH survey: chemical tagging of star clusters and new members in the Pleiades. Monthly Notices of the Royal Astronomical Society, 2018, 473, 4612-4633.	1.6	35
33	The Bulge Radial Velocity Assay for RR Lyrae Stars (BRAVA-RR) DR2: A Bimodal Bulge?. Astronomical Journal, 2020, 159, 270.	1.9	35
34	Fundamental relations for the velocity dispersion of stars in the Milky Way. Monthly Notices of the Royal Astronomical Society, 2021, 506, 1761-1776.	1.6	35
35	UKIRT-2017-BLG-001Lb: A Giant Planet Detected through the Dust. Astrophysical Journal Letters, 2018, 857, L8.	3.0	33
36	NUCLEOSYNTHESIS IN HELIUM-ENRICHED ASYMPTOTIC GIANT BRANCH MODELS: IMPLICATIONS FOR HEAVY ELEMENT ENRICHMENT IN Ï‰ CENTAURI. Astrophysical Journal, 2014, 784, 32.	1.6	32

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37	The Controversial Star-Formation History and Helium Enrichment of the Milky Way Bulge. Publications of the Astronomical Society of Australia, 2016, 33, .	1.3	28
38	The GALAH survey: stellar streams and how stellar velocity distributions vary with Galactic longitude, hemisphere, and metallicity. Monthly Notices of the Royal Astronomical Society, 2018, 478, 228-254.	1.6	28
39	Exploring the Stellar Age Distribution of the Milky Way Bulge Using APOGEE. Astrophysical Journal, 2020, 901, 109.	1.6	28
40	RECONCILING THE GALACTIC BULGE TURNOFF AGE DISCREPANCY WITH ENHANCED HELIUM ENRICHMENT. Astrophysical Journal Letters, 2012, 751, L39.	3.0	27
41	A HIGH-VELOCITY BULGE RR LYRAE VARIABLE ON A HALO-LIKE ORBIT. Astrophysical Journal Letters, 2015, 808, L12.	3.0	25
42	The contribution of N-rich stars to the Galactic stellar halo using APOGEE red giants. Monthly Notices of the Royal Astronomical Society, 2020, 500, 5462-5478.	1.6	25
43	The GALAH survey: accurate radial velocities and library of observed stellar template spectra. Monthly Notices of the Royal Astronomical Society, 2018, 481, 645-654.	1.6	24
44	Was the Milky Way Bulge Formed from the Buckling Disk Instability, Hierarchical Collapse, Accretion of Clumps, or All of the Above?. Publications of the Astronomical Society of Australia, 2017, 34, .	1.3	22
45	On the correlation between metallicity and the X-shaped morphology of the Milky Way bulge. Monthly Notices of the Royal Astronomical Society, 2014, 442, 2075-2080.	1.6	21
46	Discovery of a nitrogen-enhanced mildly metal-poor binary system: Possible evidence for pollution from an extinct AGB star. Astronomy and Astrophysics, 2019, 631, A97.	2.1	18
47	The Magellanic Edges Survey I: Description and first results. Monthly Notices of the Royal Astronomical Society, 2020, 497, 3055-3075.	1.6	18
48	The Milky Wayâ€™s bulge star formation history as constrained from its bimodal chemical abundance distribution. Monthly Notices of the Royal Astronomical Society, 2020, 497, 3557-3570.	1.6	18
49	HERBS I: Metallicity and alpha enhancement along the Galactic bulge minor axis. Monthly Notices of the Royal Astronomical Society, 2019, 486, 3586-3603.	1.6	17
50	Evidence for a high-energy tail in the gamma-ray spectra of globular clusters. Monthly Notices of the Royal Astronomical Society, 2021, 507, 5161-5176.	1.6	16
51	Uncertainties in the interstellar extinction curve and the Cepheid distance to M101. Monthly Notices of the Royal Astronomical Society, 2015, 449, 1171-1176.	1.6	12
52	HERBS II: Detailed chemical compositions of Galactic bulge stars. Monthly Notices of the Royal Astronomical Society, 2019, 486, 5349-5361.	1.6	12
53	The GALAH survey: co-orbiting stars and chemical tagging. Monthly Notices of the Royal Astronomical Society, 2019, 482, 5302-5315.	1.6	12
54	The Mira-based Distance to the Galactic Center. Astrophysical Journal, 2018, 865, 47.	1.6	11

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55	Holistic spectroscopy: complete reconstruction of a wide-field, multiobject spectroscopic image using a photonic comb. Monthly Notices of the Royal Astronomical Society, 2018, 480, 5475-5494.	1.6	10
56	Radial Velocities of RR Lyrae Stars in and around NGC 6441. Astronomical Journal, 2018, 155, 171.	1.9	9
57	Red giant branch bump star counts in data and stellar models. Monthly Notices of the Royal Astronomical Society, 2014, 445, 3839-3847.	1.6	8
58	The GALAH survey: relative throughputs of the 2dF fibre positioner and the HERMES spectrograph from stellar targets. Monthly Notices of the Royal Astronomical Society, 2016, 459, 1069-1081.	1.6	8
59	On the Colorâ€“Metallicity Relation of the Red Clump and the Reddening toward the Magellanic Clouds. Astrophysical Journal, 2021, 910, 121.	1.6	8
60	Buckling Bars in Nearly Face-on Galaxies Observed with MaNGA. Astrophysical Journal, 2021, 909, 125.	1.6	7
61	Are the Double-mode Bulge RR Lyrae Stars with Identical Period Ratios the Relic of a Disrupted Stellar System?. Astrophysical Journal Letters, 2019, 877, L17.	3.0	6
62	The GALAH survey: a catalogue of carbon-enhanced stars and CEMP candidates. Monthly Notices of the Royal Astronomical Society, 2019, 483, 3196-3212.	1.6	6
63	The GALAH survey: velocity fluctuations in the Milky Way using Red Clump giants. Monthly Notices of the Royal Astronomical Society, 2019, 482, 4215-4232.	1.6	6
64	The Interstellar Extinction Towards the Milky Way Bulge with Planetary Nebulae, Red Clump, and RR Lyrae Stars. Publications of the Astronomical Society of Australia, 2016, 33, .	1.3	5
65	ULTIMATE: a deployable multiple integral field unit for Subaru. Proceedings of SPIE, 2016, , .	0.8	2
66	Is TerzanÂ5 the remnant of a building block of the Galactic bulge? Evidence from APOGEE. Monthly Notices of the Royal Astronomical Society, 2022, 513, 3429-3443.	1.6	1
67	The relationship between globular cluster parameters and abundance variations. Proceedings of the International Astronomical Union, 2019, 14, 333-336.	0.0	0
68	The predicted properties of helium-enriched globular cluster progenitors at high redshift. Monthly Notices of the Royal Astronomical Society, 2020, 496, 3222-3234.	1.6	0