

John I Bailey

List of Publications by Year in descending order

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47
papers

1,501
citations

331259

21
h-index

315357

38
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47
all docs

47
docs citations

47
times ranked

2279
citing authors

#	ARTICLE	IF	CITATIONS
1	DETAILED CHEMICAL ABUNDANCES IN THE r-PROCESS-RICH ULTRA-FAINT DWARF GALAXY RETICULUM 2*. <i>Astronomical Journal</i> , 2016, 151, 82.	1.9	144
2	HIGH-PRECISION DYNAMICAL MASSES OF VERY LOW MASS BINARIES. <i>Astrophysical Journal</i> , 2010, 711, 1087-1122.	1.6	128
3	MAGELLAN/M2FS SPECTROSCOPY OF TUCANA 2 AND GRUS 1*. <i>Astrophysical Journal</i> , 2016, 819, 53.	1.6	100
4	Snake in the Clouds: a new nearby dwarf galaxy in the Magellanic bridge*. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 5343-5361.	1.6	84
5	PRECISE INFRARED RADIAL VELOCITIES FROM KECK/NIRSPEC AND THE SEARCH FOR YOUNG PLANETS. <i>Astrophysical Journal</i> , 2012, 749, 16.	1.6	80
6	MAGELLAN/M2FS SPECTROSCOPY OF THE RETICULUM 2 DWARF SPHEROIDAL GALAXY. <i>Astrophysical Journal</i> , 2015, 808, 108.	1.6	78
7	A SPECTROSCOPIC ANALYSIS OF THE GALACTIC GLOBULAR CLUSTER NGC 6273 (M19). <i>Astronomical Journal</i> , 2015, 150, 63.	1.9	66
8	NGC 1866: First Spectroscopic Detection of Fast-rotating Stars in a Young LMC Cluster. <i>Astrophysical Journal Letters</i> , 2017, 846, L1.	3.0	62
9	A Comprehensive Study of Ly α Emission in the High-redshift Galaxy Population. <i>Astrophysical Journal</i> , 2017, 843, 133.	1.6	59
10	DARK MATTER ANNIHILATION AND DECAY PROFILES FOR THE RETICULUM II DWARF SPHEROIDAL GALAXY. <i>Astrophysical Journal Letters</i> , 2015, 808, L36.	3.0	58
11	The CIDA Variability Survey of Orion OB1. II. Demographics of the Young, Low-mass Stellar Populations. <i>Astronomical Journal</i> , 2019, 157, 85.	1.9	50
12	M2FS: the Michigan/Magellan Fiber System. <i>Proceedings of SPIE</i> , 2012, , .	0.8	47
13	AGB SODIUM ABUNDANCES IN THE GLOBULAR CLUSTER 47 TUCANAE (NGC 104). <i>Astronomical Journal</i> , 2015, 149, 71.	1.9	46
14	Detailed chemical abundances in NGC 5824: another metal-poor globular cluster with internal heavy element abundance variations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 2417-2439.	1.6	38
15	A Chemical Composition Survey of the Iron-complex Globular Cluster NGC 6273 (M19)*. <i>Astrophysical Journal</i> , 2017, 836, 168.	1.6	36
16	The MKID Exoplanet Camera for Subaru SCEXAO. <i>Publications of the Astronomical Society of the Pacific</i> , 2020, 132, 125005.	1.0	32
17	SPECTROSCOPIC BINARIES IN THE ORION NEBULA CLUSTER AND NGC 2264. <i>Astrophysical Journal</i> , 2016, 821, 8.	1.6	31
18	HOW LYMAN ALPHA EMISSION DEPENDS ON GALAXY STELLAR MASS. <i>Astrophysical Journal Letters</i> , 2016, 821, L14.	3.0	29

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19	Detection of a Population of Carbon-enhanced Metal-poor Stars in the Sculptor Dwarf Spheroidal Galaxy. <i>Astrophysical Journal</i> , 2018, 856, 142.	1.6	29
20	Chemical Complexity in the Eu-enhanced Monometallic Globular NGC 5986. <i>Astrophysical Journal</i> , 2017, 842, 24.	1.6	27
21	A Magellan M2FS Spectroscopic Survey of Galaxies at 5.5 $\leq z \leq 6.8$: Program Overview and a Sample of the Brightest Ly α Emitters. <i>Astrophysical Journal</i> , 2017, 846, 134.	1.6	23
22	Revisiting the pulsational characteristics of the exoplanet host star τ Pictoris. <i>Astronomy and Astrophysics</i> , 2019, 627, A28.	2.1	22
23	Dynamical masses and mass-to-light ratios of resolved massive star clusters â€“ II. Results for 26 star clusters in the Magellanic Clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 4160-4191.	1.6	22
24	Exploring the Chemical Composition and Double Horizontal Branch of the Bulge Globular Cluster NGC 6569. <i>Astronomical Journal</i> , 2018, 155, 71.	1.9	21
25	Radial velocity variability and stellar properties of FGK stars in the cores of NGC 2516 and NGC 2422. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 1609-1632.	1.6	17
26	SCEXAO/MEC and CHARIS Discovery of a Low-mass, 6 au Separation Companion to HIP 109427 Using Stochastic Speckle Discrimination and High-contrast Spectroscopy*. <i>Astronomical Journal</i> , 2021, 162, 44.	1.9	17
27	Evidence for a chemical enrichment coupling of globular clusters and field stars in the Fornax dSph. <i>Astronomy and Astrophysics</i> , 2016, 585, A86.	2.1	16
28	Light element discontinuities suggest an early termination of star formation in the globular cluster NGC 6402 (M14). <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 4311-4329.	1.6	16
29	bRing: An observatory dedicated to monitoring the τ Pictoris b Hill sphere transit. <i>Astronomy and Astrophysics</i> , 2017, 607, A45.	2.1	15
30	Second generation readout for large format photon counting microwave kinetic inductance detectors. <i>Review of Scientific Instruments</i> , 2020, 91, 124705.	0.6	15
31	The Most Metal-poor Stars in Omega Centauri (NGC 5139)*. <i>Astronomical Journal</i> , 2020, 159, 254.	1.9	14
32	Spectroscopic Confirmation of the Sixth Globular Cluster in the Fornax Dwarf Spheroidal Galaxy*. <i>Astrophysical Journal</i> , 2021, 923, 77.	1.6	12
33	Kinematics of the Optically Visible YSOs toward the Orion B Molecular Cloud. <i>Astrophysical Journal</i> , 2017, 844, 138.	1.6	8
34	Data calibration for the MASCARA and bRing instruments. <i>Astronomy and Astrophysics</i> , 2018, 619, A154.	2.1	8
35	Dynamical masses and mass-to-light ratios of resolved massive star clusters â€“ I. NGC 419 and NGC 1846. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 385-407.	1.6	8
36	A High-Throughput Oversampled Polyphase Filter Bank Using Vivado HLS and PYNQ on a RFSoc. <i>IEEE Open Journal of Circuits and Systems</i> , 2021, 2, 241-252.	1.4	8

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37	A Population of Luminous Globular Clusters and Stripped Nuclei with Elevated Mass to Light Ratios around NGC 5128*. <i>Astrophysical Journal</i> , 2022, 929, 147.	1.6	8
38	MULTIPLEXING PRECISION RVs: SEARCHING FOR CLOSE-IN GAS GIANTS IN OPEN CLUSTERS. <i>Astronomical Journal</i> , 2016, 152, 9.	1.9	6
39	Discovery of $\hat{\Lambda}$ Scuti Pulsations in the Young Hybrid Debris Disk Star HD 156623. <i>Astrophysical Journal</i> , 2019, 870, 36.	1.6	6
40	The $\hat{\Lambda}^2$ Pictoris b Hill sphere transit campaign. <i>Astronomy and Astrophysics</i> , 2021, 648, A15.	2.1	6
41	Bright Southern Variable Stars in the bRing Survey. <i>Astrophysical Journal, Supplement Series</i> , 2019, 244, 15.	3.0	3
42	An adjustable slit mechanism for a fiber-fed multi-object spectrograph. <i>Proceedings of SPIE</i> , 2012, , .	0.8	2
43	Magellan/M2FS Spectroscopy of Galaxy Clusters: Stellar Population Model and Application to Abell 267. <i>Astronomical Journal</i> , 2017, 154, 113.	1.9	1
44	End-to-end deep learning pipeline for microwave kinetic inductance detector resonator identification and tuning. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2021, 7, .	1.0	1
45	Orbital Parameters and Binary Properties of 37 FGK Stars in the Cores of Open Clusters NGC 2516 and NGC 2422. <i>Astronomical Journal</i> , 2021, 162, 285.	1.9	1
46	The MKID Pipeline: A Data Reduction and Analysis Pipeline for UVOIR MKID Data. <i>Astronomical Journal</i> , 2022, 163, 193.	1.9	1
47	Highly-Multiplexed Superconducting Detector Readout: Approachable High-Speed FPGA Design. , 2022, , .		0