

Earl Patrick Bellinger

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

486
citations

623188

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26
all docs

26
docs citations

26
times ranked

621
citing authors

#	ARTICLE	IF	CITATIONS
1	TESS Observations of Cepheid Stars: First Light Results. <i>Astrophysical Journal</i> , Supplement Series, 2021, 253, 11.	3.0	27
2	Asteroseismic Inference of the Central Structure in a Subgiant Star. <i>Astrophysical Journal</i> , 2021, 915, 100.	1.6	9
3	Age-dating Red Giant Stars Associated with Galactic Disk and Halo Substructures. <i>Astrophysical Journal</i> , 2021, 916, 88.	1.6	19
4	Cooling Delays from Iron Sedimentation and Iron Inner Cores in White Dwarfs. <i>Astrophysical Journal Letters</i> , 2021, 919, L12.	3.0	13
5	When a period is not a full stop: Light-curve structure reveals fundamental parameters of Cepheid and RR Lyrae stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 4752-4767.	1.6	15
6	Convective boundary mixing in low- and intermediate-mass stars – I. Core properties from pressure-mode asteroseismology. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 4987-5004.	1.6	22
7	Asteroseismic inference of subgiant evolutionary parameters with deep learning. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 2445-2461.	1.6	11
8	The stellar photosphere – hydrogen ionization front interaction in classical pulsators: a theoretical explanation for observed period – colour relations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 29-47.	1.6	6
9	A seismic scaling relation for stellar age II: the red giant branch. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 492, L50-L55.	1.2	17
10	Inverse Analysis of Asteroseismic Data: A Review. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2020, , 171-183.	0.3	2
11	A seismic scaling relation for stellar age. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 4612-4621.	1.6	21
12	Stellar ages, masses, and radii from asteroseismic modeling are robust to systematic errors in spectroscopy. <i>Astronomy and Astrophysics</i> , 2019, 622, A130.	2.1	32
13	Asteroseismic Constraints on the Cosmic-time Variation of the Gravitational Constant from an Ancient Main-sequence Star. <i>Astrophysical Journal Letters</i> , 2019, 887, L1.	3.0	27
14	Testing Stellar Evolution with Asteroseismic Inversions of a Main-sequence Star Harboring a Small Convective Core. <i>Astrophysical Journal</i> , 2019, 885, 143.	1.6	13
15	Asteroseismology of KIC 8263801: Is It a Member of NGC 6866 and a Red Clump Star?. <i>Astrophysical Journal</i> , 2018, 866, 59.	1.6	4
16	On the Statistical Properties of the Lower Main Sequence. <i>Astrophysical Journal</i> , 2017, 839, 116.	1.6	24
17	Mitigating the mass dependence in the $\tau^2 \propto M^{-1/2}$ scaling relation of red giant stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 2069-2078.	1.6	18
18	Model-independent Measurement of Internal Stellar Structure in 16 Cygni A and B. <i>Astrophysical Journal</i> , 2017, 851, 80.	1.6	29

#	ARTICLE	IF	CITATIONS
19	Stellar Parameters in an Instant with Machine Learning. EPJ Web of Conferences, 2017, 160, 05003.	0.1	4
20	Evolutionary states of red-giant stars from grid-based modelling. EPJ Web of Conferences, 2017, 160, 04006.	0.1	7
21	Significantly improving stellar mass and radius estimates: a new reference function for the $\hat{M}^{\hat{M}}/2$ scaling relation. Monthly Notices of the Royal Astronomical Society, 2016, 460, 4277-4281.	1.6	71
22	FUNDAMENTAL PARAMETERS OF MAIN-SEQUENCE STARS IN AN INSTANT WITH MACHINE LEARNING. Astrophysical Journal, 2016, 830, 31.	1.6	66
23	A maximum-likelihood approach to absolute protein quantification in mass spectrometry. , 2015, , .		1
24	Penultimate Proline in Neuropeptides. Analytical Chemistry, 2015, 87, 8466-8472.	3.2	14
25	Period-luminosity relations for Cepheid variables: from mid-infrared to multi-phase. Astrophysics and Space Science, 2012, 341, 105-113.	0.5	13