

# Earl Patrick Bellinger

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9315210/publications.pdf>

Version: 2024-02-01

25  
papers

486  
citations

623188

14  
h-index

676716

22  
g-index

26  
all docs

26  
docs citations

26  
times ranked

621  
citing authors

#	ARTICLE	IF	CITATIONS
1	Significantly improving stellar mass and radius estimates: a new reference function for the $\hat{\rho}^{\hat{\rho}}_{1/2}$ scaling relation. Monthly Notices of the Royal Astronomical Society, 2016, 460, 4277-4281.	1.6	71
2	FUNDAMENTAL PARAMETERS OF MAIN-SEQUENCE STARS IN AN INSTANT WITH MACHINE LEARNING. Astrophysical Journal, 2016, 830, 31.	1.6	66
3	Stellar ages, masses, and radii from asteroseismic modeling are robust to systematic errors in spectroscopy. Astronomy and Astrophysics, 2019, 622, A130.	2.1	32
4	Model-independent Measurement of Internal Stellar Structure in 16 Cygni A and B. Astrophysical Journal, 2017, 851, 80.	1.6	29
5	Asteroseismic Constraints on the Cosmic-time Variation of the Gravitational Constant from an Ancient Main-sequence Star. Astrophysical Journal Letters, 2019, 887, L1.	3.0	27
6	TESS Observations of Cepheid Stars: First Light Results. Astrophysical Journal, Supplement Series, 2021, 253, 11.	3.0	27
7	On the Statistical Properties of the Lower Main Sequence. Astrophysical Journal, 2017, 839, 116.	1.6	24
8	Convective boundary mixing in low- and intermediate-mass stars â€“ I. Core properties from pressure-mode asteroseismology. Monthly Notices of the Royal Astronomical Society, 2020, 493, 4987-5004.	1.6	22
9	A seismic scaling relation for stellar age. Monthly Notices of the Royal Astronomical Society, 2019, 486, 4612-4621.	1.6	21
10	Age-dating Red Giant Stars Associated with Galactic Disk and Halo Substructures. Astrophysical Journal, 2021, 916, 88.	1.6	19
11	Mitigating the mass dependence in the $\hat{\rho}^{\hat{\rho}}_{1/2}$ scaling relation of red giant stars. Monthly Notices of the Royal Astronomical Society, 2017, 470, 2069-2078.	1.6	18
12	A seismic scaling relation for stellar age II: the red giant branch. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 492, L50-L55.	1.2	17
13	When a period is not a full stop: Light-curve structure reveals fundamental parameters of Cepheid and RRÂLyrae stars. Monthly Notices of the Royal Astronomical Society, 2020, 491, 4752-4767.	1.6	15
14	Penultimate Proline in Neuropeptides. Analytical Chemistry, 2015, 87, 8466-8472.	3.2	14
15	Period-luminosity relations for Cepheid variables: from mid-infrared to multi-phase. Astrophysics and Space Science, 2012, 341, 105-113.	0.5	13
16	Cooling Delays from Iron Sedimentation and Iron Inner Cores in White Dwarfs. Astrophysical Journal Letters, 2021, 919, L12.	3.0	13
17	Testing Stellar Evolution with Asteroseismic Inversions of a Main-sequence Star Harboring a Small Convective Core. Astrophysical Journal, 2019, 885, 143.	1.6	13
18	Asteroseismic inference of subgiant evolutionary parameters with deep learning. Monthly Notices of the Royal Astronomical Society, 2020, 499, 2445-2461.	1.6	11

#	ARTICLE	IF	CITATIONS
19	Asteroseismic Inference of the Central Structure in a Subgiant Star. <i>Astrophysical Journal</i> , 2021, 915, 100.	1.6	9
20	Evolutionary states of red-giant stars from grid-based modelling. <i>EPJ Web of Conferences</i> , 2017, 160, 04006.	0.1	7
21	The stellar photosphereâ€™hydrogen ionization front interaction in classical pulsators: a theoretical explanation for observed periodâ€™colour relations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 29-47.	1.6	6
22	Stellar Parameters in an Instant with Machine Learning. <i>EPJ Web of Conferences</i> , 2017, 160, 05003.	0.1	4
23	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
24	Inverse Analysis of Asteroseismic Data: A Review. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2020, , 171-183.	0.3	2
25	A maximum-likelihood approach to absolute protein quantification in mass spectrometry. , 2015, , .		1