Warrick Ball

List of Publications by Year
in descending order

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54	2,264	201385	223531
papers	citations	27	46
		h-index	g-index

55	55	55	1908
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	ASTEROSEISMIC FUNDAMENTAL PROPERTIES OF SOLAR-TYPE STARS OBSERVED BY THE NASA KEPLER MISSION. Astrophysical Journal, Supplement Series, 2014, 210, 1.	3.0	293
2	Standing on the Shoulders of Dwarfs: the Kepler Asteroseismic LEGACY Sample. II. Radii, Masses, and Ages. Astrophysical Journal, 2017, 835, 173.	1.6	223
3	Standing on the Shoulders of Dwarfs: the Kepler Asteroseismic LEGACY Sample. I. Oscillation Mode Parameters. Astrophysical Journal, 2017, 835, 172.	1.6	195
4	A new correction of stellar oscillation frequencies for near-surface effects. Astronomy and Astrophysics, 2014, 568, A123.	2.1	154
5	The First APOKASC Catalog of Kepler Dwarf and Subgiant Stars. Astrophysical Journal, Supplement Series, 2017, 233, 23.	3.0	121
6	A Hot Saturn Orbiting an Oscillating Late Subgiant Discovered by TESS. Astronomical Journal, 2019, 157, 245.	1.9	72
7	Very regular high-frequency pulsation modes in young intermediate-mass stars. Nature, 2020, 581, 147-151.	13.7	69
8	FUNDAMENTAL PARAMETERS OF MAIN-SEQUENCE STARS IN AN INSTANT WITH MACHINE LEARNING. Astrophysical Journal, 2016, 830, 31.	1.6	66
9	<scp>aims</scp>â€“ a new tool for stellar parameter determinations using asteroseismic constraints. Monthly Notices of the Royal Astronomical Society, 2019, 484, 771-786.	1.6	64
10	Filtering Solar-Like Oscillations for Exoplanet Detection in Radial Velocity Observations. Astronomical Journal, 2019, 157, 163.	1.9	59
11	The Asteroseismic Target List for Solar-like Oscillators Observed in 2 minute Cadence with the Transiting Exoplanet Survey Satellite. Astrophysical Journal, Supplement Series, 2019, 241, 12.	3.0	58
12	MESA meets MURaM. Astronomy and Astrophysics, 2016, 592, A159.	2.1	46
13	Age dating of an early Milky Way merger via asteroseismology of the naked-eye star Î½ Indi. Nature Astronomy, 2020, 4, 382-389.	4.2	46
14	Modelling Kepler red giants in eclipsing binaries: calibrating the mixing-length parameter with asteroseismology. Monthly Notices of the Royal Astronomical Society, 2018, 475, 981-998.	1.6	44
15	Stellar models with calibrated convection and temperature stratification from 3D hydrodynamics simulations. Monthly Notices of the Royal Astronomical Society, 2018, 478, 5650-5659.	1.6	37
16	The TESS light curve of AI Phoenicis. Monthly Notices of the Royal Astronomical Society, 2020, 498, 332-343.	1.6	37
17	Detection and Characterization of Oscillating Red Giants: First Results from the TESS Satellite. Astrophysical Journal Letters, 2020, 889, L34.	3.0	37
18	Surface-effect corrections for oscillation frequencies of evolved stars. Astronomy and Astrophysics, 2017, 600, A128.	2.1	36

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19	Oscillating red giants in eclipsing binary systems: empirical reference value for asteroseismic scaling relation. Monthly Notices of the Royal Astronomical Society, 2018, 478, 4669-4696.	1.6	36
20	The structure and evolution of quasi-stars. Monthly Notices of the Royal Astronomical Society, 2011, 414, 2751-2762.	1.6	35
21	TOI-257b (HD 19916b): a warm sub-saturn orbiting an evolved F-type star. Monthly Notices of the Royal Astronomical Society, 2021, 502, 3704-3722.	1.6	33
22	SpaceInn hare-and-hounds exercise: Estimation of stellar properties using space-based asteroseismic data. Astronomy and Astrophysics, 2016, 592, A14.	2.1	32
23	Constraining differential rotation of Sun-like stars from asteroseismic and starspot rotation periods. Astronomy and Astrophysics, 2015, 582, A10.	2.1	30
24	Prospects for Galactic and stellar astrophysics with asteroseismology of giant stars in the TESS continuous viewing zones and beyond. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1947-1966.	1.6	30
25	Model-independent Measurement of Internal Stellar Structure in 16 Cygni A and B. Astrophysical Journal, 2017, 851, 80.	1.6	29
26	Keplerobservations of the asteroseismic binary HD 176465. Astronomy and Astrophysics, 2017, 601, A82.	2.1	28
27	TESS Asteroseismology of the Known Red-giant Host Stars HD 212771 and HD 203949. Astrophysical Journal, 2019, 885, 31.	1.6	28
28	Asteroseismology of Solar-Type Stars withK2: Detection of Oscillations in C1 Data. Publications of the Astronomical Society of the Pacific, 2015, 127, 1038-1044.	1.0	25
29	A 20 Second Cadence View of Solar-type Stars and Their Planets with TESS: Asteroseismology of Solar Analogs and a Recharacterization of ï€ Men c. Astronomical Journal, 2022, 163, 79.	1.9	22
30	Quasi-stars, giants and the SchÃ¶nberg-Chandrasekhar limit. Monthly Notices of the Royal Astronomical Society, 2012, 421, 2713-2721.	1.6	21
31	Limits on radial differential rotation in Sun-like stars from parametric fits to oscillation power spectra. Astronomy and Astrophysics, 2017, 603, A6.	2.1	20
32	Surface effects on the red giant branch. Monthly Notices of the Royal Astronomical Society, 2018, 478, 4697-4709.	1.6	19
33	The Evolution of Rotation and Magnetic Activity in 94 Aqr Aa from Asteroseismology with TESS. Astrophysical Journal, 2020, 900, 154.	1.6	18
34	The Sun in transition? Persistence of near-surface structural changes through CycleÂ24. Monthly Notices of the Royal Astronomical Society, 2017, 470, 1935-1942.	1.6	16
35	PBjam: A Python Package for Automating Asteroseismology of Solar-like Oscillators*. Astronomical Journal, 2021, 161, 62.	1.9	16
36	TESS asteroseismology of the known planet host star Î»² Fornacis. Astronomy and Astrophysics, 2020, 641, A25.	2.1	16

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37	A Synthetic Sample of Short-cadence Solar-like Oscillators for TESS. Astrophysical Journal, Supplement Series, 2018, 239, 34.	3.0	15
38	Parametrizing the time variation of the â€˜surface termâ€™ of stellar p-mode frequencies: application to helioseismic data. Monthly Notices of the Royal Astronomical Society, 2017, 464, 4777-4788.	1.6	14
39	Surface correction of main-sequence solar-like oscillators with the Kepler LEGACY sample. Monthly Notices of the Royal Astronomical Society, 2018, 479, 4416-4431.	1.6	14
40	TESS Asteroseismology of Î± Mensae: Benchmark Ages for a G7 Dwarf and Its M Dwarf Companion. Astrophysical Journal, 2021, 922, 229.	1.6	14
41	PLATO hare-and-hounds exercise: asteroseismic model fitting of main-sequence solar-like pulsators. Monthly Notices of the Royal Astronomical Society, 2021, 508, 5864-5885.	1.6	13
42	Determining the Best Method of Calculating the Large Frequency Separation For Stellar Models. Astrophysical Journal, 2019, 879, 33.	1.6	12
43	Magnetic and Rotational Evolution of Ï•CrB from Asteroseismology with TESS. Astrophysical Journal, 2021, 921, 122.	1.6	12
44	Grid-based seismic modelling at high and low signal-to-noise ratios. Astronomy and Astrophysics, 2014, 564, A105.	2.1	10
45	Solar cycle variation of Î½max in helioseismic data and its implications for asteroseismology. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 493, L49-L53.	1.2	9
46	Asteroseismic Inference of the Central Structure in a Subgiant Star. Astrophysical Journal, 2021, 915, 100.	1.6	9
47	Robust asteroseismic properties of the bright planet host HDÂ38529. Monthly Notices of the Royal Astronomical Society, 2020, 499, 6084-6093.	1.6	8
48	Seismic Signatures of Stellar Magnetic Activityâ€”What Can We Expect From TESS?. Frontiers in Astronomy and Space Sciences, 2019, 6, .	1.1	7
49	Modelling stars with Gaussian Process Regression: augmenting stellar model grid. Monthly Notices of the Royal Astronomical Society, 2022, 511, 5597-5610.	1.6	3
50	A probabilistic method for detecting solar-like oscillations using meaningful prior information. Astronomy and Astrophysics, 2022, 663, A51.	2.1	3
51	A Novel Analytic Atmospheric T(Ï„) Relation for Stellar Models. Research Notes of the AAS, 2021, 5, 7.	0.3	2
52	CORALIE radial-velocity search for companions around evolved stars (CASCADES). Astronomy and Astrophysics, 2022, 657, A89.	2.1	2
53	Main-sequence oscillators as a test of stellar opacities. Proceedings of the International Astronomical Union, 2015, 11, 653-660.	0.0	0
54	tomso: TOols for Models of Stars and their Oscillations. Journal of Open Source Software, 2022, 7, 4343.	2.0	0