Cole Johnston

List of Publications by Year
in descending order

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46 papers	1,517 citations	331670 21 h-index	315739 38 g-index
48 all docs	48 docs citations	48 times ranked	1220 citing authors

#	Article	IF	Citations
1	KEPLER ECLIPSING BINARY STARS. VII. THE CATALOG OF ECLIPSING BINARIES FOUND IN THE ENTIRE KEPLER DATA SET. Astronomical Journal, 2016, 151, 68.	4.7	302
2	Low-frequency gravity waves in blue supergiants revealed by high-precision space photometry. Nature Astronomy, 2019, 3, 760-765.	10.1	92
3	Sensitivity of gravito-inertial modes to differential rotation in intermediate-mass main-sequence stars. Astronomy and Astrophysics, 2018, 618, A24.	5.1	82
4	The first view of Î´ÂScuti and Î³ÂDoradus stars with the TESS mission. Monthly Notices of the Royal Astronomical Society, 2019, 490, 4040-4059.	4.4	78
5	Forward Asteroseismic Modeling of Stars with a Convective Core from Gravity-mode Oscillations: Parameter Estimation and Stellar Model Selection. Astrophysical Journal, Supplement Series, 2018, 237, 15.	7.7	69
6	Forward seismic modeling of the pulsating magnetic B-type star HD 43317. Astronomy and Astrophysics, 2018, 616, A148.	5.1	66
7	Photometric detection of internal gravity waves in upper main-sequence stars. Astronomy and Astrophysics, 2019, 621, A135.	5.1	63
8	Diverse Variability of O and B Stars Revealed from 2-minute Cadence Light Curves in Sectors 1 and 2 of the TESS Mission: Selection of an Asteroseismic Sample. Astrophysical Journal Letters, 2019, 872, L9.	8.3	61
9	Asteroseismic masses, ages, and core properties of Î³ÂDoradus stars using gravito-inertial dipole modes and spectroscopy. Monthly Notices of the Royal Astronomical Society, 2019, 485, 3248-3263.	4.4	59
10	The mass discrepancy in intermediate- and high-mass eclipsing binaries: The need for higher convective core masses. Astronomy and Astrophysics, 2020, 637, A60.	5.1	59
11	TESS Eclipsing Binary Stars. I. Short-cadence Observations of 4584 Eclipsing Binaries in Sectors 1â€“26. Astrophysical Journal, Supplement Series, 2022, 258, 16.	7.7	50
12	Binary asteroseismic modelling: isochrone-cloud methodology and application toKeplergravity mode pulsators. Monthly Notices of the Royal Astronomical Society, 2019, 482, 1231-1246.	4.4	45
13	Discovery of Tidally Perturbed Pulsations in the Eclipsing Binary U Gru: A Crucial System for Tidal Asteroseismology. Astrophysical Journal Letters, 2019, 883, L26.	8.3	43
14	Barium and related stars, and their white-dwarf companions. Astronomy and Astrophysics, 2019, 626, A128.	5.1	37
15	The TESS light curve of AI Phoenicis. Monthly Notices of the Royal Astronomical Society, 2020, 498, 332-343.	4.4	37
16	KEPLER ECLIPSING BINARY STARS. VIII. IDENTIFICATION OF FALSE POSITIVE ECLIPSING BINARIES AND RE-EXTRACTION OF NEW LIGHT CURVES. Astronomical Journal, 2016, 151, 101.	4.7	36
17	K2 photometry and HERMES spectroscopy of the blue supergiant Ïâ€‰Leo: rotational wind modulation and low-frequency waves. Monthly Notices of the Royal Astronomical Society, 2018, 476, 1234-1241.	4.4	34
18	Seismic probing of the first dredge-up event through the eccentric red-giant and red-giant spectroscopic binary KIC 9163796. Astronomy and Astrophysics, 2018, 612, A22.	5.1	28

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19	Modelling of the B-type binaries CW Cephei and U Ophiuchi. Astronomy and Astrophysics, 2019, 628, A25.	5.1	27
20	Planet Hunters TESS II: findings from the first two years of TESS. Monthly Notices of the Royal Astronomical Society, 2021, 501, 4669-4690.	4.4	27
21	One size does not fit all: Evidence for a range of mixing efficiencies in stellar evolution calculations. Astronomy and Astrophysics, 2021, 655, A29.	5.1	26
22	HDâ€‰66051: the first eclipsing binary hosting an early-type magnetic star. Monthly Notices of the Royal Astronomical Society, 2018, 478, 1749-1762.	4.4	22
23	An all-sky sample of intermediate- to high-mass OBA-type eclipsing binaries observed by TESS. Astronomy and Astrophysics, 2021, 652, A120.	5.1	20
24	Asteroseismology of Massive Stars with the TESS Mission: The Runaway Î² Cep Pulsator PHL 346Â=ÂHN Aqr. Astrophysical Journal Letters, 2019, 873, L4.	8.3	19
25	Isochrone-cloud fitting of the extended main-sequence turn-off of young clusters. Astronomy and Astrophysics, 2019, 632, A74.	5.1	18
26	A comparison of the dynamical and model-derived parameters of the pulsating eclipsing binary KIC 9850387. Astronomy and Astrophysics, 2021, 648, A91.	5.1	18
27	MOBSTER â€“ III. HDâ€‰62658: a magnetic Bp star in an eclipsing binary with a non-magnetic â€˜identical twinâ€™ Monthly Notices of the Royal Astronomical Society, 2019, 490, 4154-4165.	4.4	16
28	Combined asteroseismology, spectroscopy, and astrometry of the CoRoT B2V target HD 170580. Astronomy and Astrophysics, 2019, 624, A75.	5.1	15
29	Tango of celestial dancers: A sample of detached eclipsing binary systems containingg-mode pulsating components. Astronomy and Astrophysics, 2020, 643, A162.	5.1	15
30	TESS Data for Asteroseismology (Tâ€™DA) Stellar Variability Classification Pipeline: Setup and Application to the Kepler Q9 Data. Astronomical Journal, 2021, 162, 209.	4.7	10
31	Planet Hunters TESS IV: a massive, compact hierarchical triple star system TICÂ470710327. Monthly Notices of the Royal Astronomical Society, 2022, 511, 4710-4723.	4.4	10
32	Detection of intrinsic variability in the eclipsing massive main-sequence O+B binary HD 165246. Monthly Notices of the Royal Astronomical Society: Letters, 2017, 469, L118-L122.	3.3	9
33	Characterization of the variability in the O+B eclipsing binary HDÂ165246. Monthly Notices of the Royal Astronomical Society, 2021, 503, 1124-1137.	4.4	9
34	V772ÂCas: an ellipsoidal HgMn star in an eclipsing binary. Monthly Notices of the Royal Astronomical Society, 2020, 500, 2577-2589.	4.4	6
35	Twoâ€™s a crowd? Characterising the effect of photometric contamination on the extraction of the global asteroseismic parameter Î½_{max} in red-giant binaries. Astronomy and Astrophysics, 2019, 624, A140.	5.1	4
36	Discovery and Characterization of a Rare Magnetic Hybrid Î² Cephei Slowly Pulsating B-type Star in an Eclipsing Binary in the Young Open Cluster NGC 6193. Astrophysical Journal, 2021, 910, 133.	4.5	2

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37	Constraining stellar physics from red-giant stars in binaries â€“ stellar rotation, mixing processes and stellar activity. EPJ Web of Conferences, 2017, 160, 05008.	0.3	1
38	Rotational variation in the chemically peculiar B0 star Î¸Car as seen by TESS. Monthly Notices of the Royal Astronomical Society, 2021, 505, 5725-5730.	4.4	1
39	Parameters of the eclipsing binary Î± Draconis observed by TESS and SONG. Monthly Notices of the Royal Astronomical Society, 2022, 511, 2648-2658.	4.4	1
40	Estimating the Convective Core Mass for Stars in Eclipsing Binaries. Springer Theses, 2021, , 81-111.	0.1	0
41	The O+B Eclipsing Binary HD 165246. Springer Theses, 2021, , 53-80.	0.1	0
42	The Effect of Enhanced Core Masses onÂthe Observed Morphology of Young Clusters. Springer Theses, 2021, , 133-145.	0.1	0
43	Towards Constraining Tidal Mixing: UÂGru. Springer Theses, 2021, , 147-161.	0.1	0
44	Binary Asteroseismology. Springer Theses, 2021, , 113-132.	0.1	0
45	Scientific Context. Springer Theses, 2021, , 1-34.	0.1	0
46	Stellar Evolution Tracks, Isochrones, and Isochrone-Clouds. Springer Theses, 2021, , 35-52.	0.1	0