

# Cole Johnston

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Planet Hunters TESS IV: a massive, compact hierarchical triple star system TIC470710327. Monthly Notices of the Royal Astronomical Society, 2022, 511, 4710-4723.	4.4	10
2	TESS Eclipsing Binary Stars. I. Short-cadence Observations of 4584 Eclipsing Binaries in Sectors 1-26. Astrophysical Journal, Supplement Series, 2022, 258, 16.	7.7	50
3	Parameters of the eclipsing binary $\epsilon$ Draconis observed by TESS and SONG. Monthly Notices of the Royal Astronomical Society, 2022, 511, 2648-2658.	4.4	1
4	Estimating the Convective Core Mass for Stars in Eclipsing Binaries. Springer Theses, 2021, , 81-111.	0.1	0
5	The O+B Eclipsing Binary HD 165246. Springer Theses, 2021, , 53-80.	0.1	0
6	The Effect of Enhanced Core Masses on the Observed Morphology of Young Clusters. Springer Theses, 2021, , 133-145.	0.1	0
7	Towards Constraining Tidal Mixing: $\upsilon$ Gru. Springer Theses, 2021, , 147-161.	0.1	0
8	Binary Asteroseismology. Springer Theses, 2021, , 113-132.	0.1	0
9	Characterization of the variability in the O+B eclipsing binary HD165246. Monthly Notices of the Royal Astronomical Society, 2021, 503, 1124-1137.	4.4	9
10	Discovery and Characterization of a Rare Magnetic Hybrid $\delta^2$ 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
11	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
12	Rotational variation in the chemically peculiar B0 star $\epsilon$ Car as seen by TESS. Monthly Notices of the Royal Astronomical Society, 2021, 505, 5725-5730.	4.4	1
13	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
14	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
15	Scientific Context. Springer Theses, 2021, , 1-34.	0.1	0
16	Stellar Evolution Tracks, Isochrones, and Isochrone-Clouds. Springer Theses, 2021, , 35-52.	0.1	0
17	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
18	TESS Data for Asteroseismology (TASDA) Stellar Variability Classification Pipeline: Setup and Application to the Kepler Q9 Data. Astronomical Journal, 2021, 162, 209.	4.7	10

#	ARTICLE	IF	CITATIONS
19	The TESS light curve of AI Phoenicis. Monthly Notices of the Royal Astronomical Society, 2020, 498, 332-343.	4.4	37
20	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
21	Tango of celestial dancers: A sample of detached eclipsing binary systems containing <i>g</i> -mode pulsating components. Astronomy and Astrophysics, 2020, 643, A162.	5.1	15
22	V772Cas: an ellipsoidal HgMn star in an eclipsing binary. Monthly Notices of the Royal Astronomical Society, 2020, 500, 2577-2589.	4.4	6
23	Barium and related stars, and their white-dwarf companions. Astronomy and Astrophysics, 2019, 626, A128.	5.1	37
24	MOBSTER III. HD 62658: a magnetic Bp star in an eclipsing binary with a non-magnetic identical twin. Monthly Notices of the Royal Astronomical Society, 2019, 490, 4154-4165.	4.4	16
25	The first view of $\gamma$ -Scuti and $\beta$ -Doradus stars with the TESS mission. Monthly Notices of the Royal Astronomical Society, 2019, 490, 4040-4059.	4.4	78
26	Modelling of the B-type binaries CW Cephei and U Ophiuchi. Astronomy and Astrophysics, 2019, 628, A25.	5.1	27
27	Photometric detection of internal gravity waves in upper main-sequence stars. Astronomy and Astrophysics, 2019, 621, A135.	5.1	63
28	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
29	Two $\tau$ s a crowd? Characterising the effect of photometric contamination on the extraction of the global asteroseismic parameter $\nu_{\text{max}}$ in red-giant binaries. Astronomy and Astrophysics, 2019, 624, A140.	5.1	4
30	Asteroseismology of Massive Stars with the TESS Mission: The Runaway $\beta$ Cep Pulsator PHL 346 = HN Aqr. Astrophysical Journal Letters, 2019, 873, L4.	8.3	19
31	Low-frequency gravity waves in blue supergiants revealed by high-precision space photometry. Nature Astronomy, 2019, 3, 760-765.	10.1	92
32	Asteroseismic masses, ages, and core properties of $\beta$ -Doradus stars using gravito-inertial dipole modes and spectroscopy. Monthly Notices of the Royal Astronomical Society, 2019, 485, 3248-3263.	4.4	59
33	Combined asteroseismology, spectroscopy, and astrometry of the CoRoT B2V target HD 170580. Astronomy and Astrophysics, 2019, 624, A75.	5.1	15
34	Isochrone-cloud fitting of the extended main-sequence turn-off of young clusters. Astronomy and Astrophysics, 2019, 632, A74.	5.1	18
35	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
36	Binary asteroseismic modelling: isochrone-cloud methodology and application to <i>Kepler</i> gravity mode pulsators. Monthly Notices of the Royal Astronomical Society, 2019, 482, 1231-1246.	4.4	45

#	ARTICLE	IF	CITATIONS
37	Sensitivity of gravito-inertial modes to differential rotation in intermediate-mass main-sequence stars. <i>Astronomy and Astrophysics</i> , 2018, 618, A24.	5.1	82
38	Forward seismic modeling of the pulsating magnetic B-type star HD 43317. <i>Astronomy and Astrophysics</i> , 2018, 616, A148.	5.1	66
39	Seismic probing of the first dredge-up event through the eccentric red-giant and red-giant spectroscopic binary KIC 9163796. <i>Astronomy and Astrophysics</i> , 2018, 612, A22.	5.1	28
40	Forward Asteroseismic Modeling of Stars with a Convective Core from Gravity-mode Oscillations: Parameter Estimation and Stellar Model Selection. <i>Astrophysical Journal, Supplement Series</i> , 2018, 237, 15.	7.7	69
41	K2 photometry and HERMES spectroscopy of the blue supergiant $\eta$ Leo: rotational wind modulation and low-frequency waves. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 1234-1241.	4.4	34
42	HD 66051: the first eclipsing binary hosting an early-type magnetic star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 1749-1762.	4.4	22
43	Detection of intrinsic variability in the eclipsing massive main-sequence O+B binary HD 165246. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2017, 469, L118-L122.	3.3	9
44	Constraining stellar physics from red-giant stars in binaries – stellar rotation, mixing processes and stellar activity. <i>EPJ Web of Conferences</i> , 2017, 160, 05008.	0.3	1
45	KEPLER ECLIPSING BINARY STARS. VIII. IDENTIFICATION OF FALSE POSITIVE ECLIPSING BINARIES AND RE-EXTRACTION OF NEW LIGHT CURVES. <i>Astronomical Journal</i> , 2016, 151, 101.	4.7	36
46	KEPLER ECLIPSING BINARY STARS. VII. THE CATALOG OF ECLIPSING BINARIES FOUND IN THE ENTIRE KEPLER DATA SET. <i>Astronomical Journal</i> , 2016, 151, 68.	4.7	302