

James Fuller

List of Publications by Year in descending order

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Version: 2024-02-01

73
papers

3,205
citations

136950

32
h-index

168389

53
g-index

76
all docs

76
docs citations

76
times ranked

2581
citing authors

#	ARTICLE	IF	CITATIONS
1	Discovery of a Double-detonation Thermonuclear Supernova Progenitor. <i>Astrophysical Journal Letters</i> , 2022, 925, L12.	8.3	20
2	The spins of compact objects born from helium stars in binary systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 3951-3964.	4.4	30
3	Tidally Tilted Pulsations in HD 265435, a Subdwarf B Star with a Close White Dwarf Companion. <i>Astrophysical Journal Letters</i> , 2022, 928, L14.	8.3	7
4	Wave-driven Outbursts and Variability of Low-mass Supernova Progenitors. <i>Astrophysical Journal</i> , 2022, 930, 119.	4.5	16
5	A 62-minute orbital period black widow binary in a wide hierarchical triple. <i>Nature</i> , 2022, 605, 41-45.	27.8	13
6	Slow convection and fast rotation in crystallization-driven white dwarf dynamos. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 4111-4119.	4.4	20
7	Partial stellar explosions â€œ ejected mass and minimal energy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 4266-4275.	4.4	20
8	The former companion of hyper-velocity star S5-HVS1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 603-613.	4.4	2
9	A highly magnetized and rapidly rotating white dwarf as small as the Moon. <i>Nature</i> , 2021, 595, 39-42.	27.8	56
10	Fast Blue Optical Transients Due to Circumstellar Interaction and the Mysterious Supernova SN 2018gep. <i>Astrophysical Journal</i> , 2021, 915, 80.	4.5	16
11	A Systematic Search for Outbursting AM CVn Systems with the Zwicky Transient Facility. <i>Astronomical Journal</i> , 2021, 162, 113.	4.7	15
12	A diffuse core in Saturn revealed by ring seismology. <i>Nature Astronomy</i> , 2021, 5, 1103-1109.	10.1	62
13	Orbital Decay of Short-period Exoplanets via Tidal Resonance Locking. <i>Astrophysical Journal</i> , 2021, 918, 16.	4.5	24
14	Asteroseismic fingerprints of stellar mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 1618-1631.	4.4	12
15	Constraining Saturnâ€™s Interior with Ring Seismology: Effects of Differential Rotation and Stable Stratification. <i>Planetary Science Journal</i> , 2021, 2, 198.	3.6	11
16	A Diversity of Wave-driven Presupernova Outbursts. <i>Astrophysical Journal</i> , 2021, 906, 3.	4.5	39
17	Novel Model of an Ultra-stripped Supernova Progenitor of a Double Neutron Star. <i>Astrophysical Journal Letters</i> , 2021, 920, L36.	8.3	12
18	Wave-driven Mass Loss of Stripped Envelope Massive Stars: Progenitor-dependence, Mass Ejection, and Supernovae. <i>Astrophysical Journal</i> , 2021, 923, 41.	4.5	15

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19	The effect of tides on near-core rotation: analysis of 35 Kepler $\hat{3}$ â€‰%Doradus stars in eclipsing and spectroscopic binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 4363-4375.	4.4	26
20	Non-linear dynamical tides in white dwarf binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 5482-5502.	4.4	18
21	The Influence of Late-stage Nuclear Burning on Red Supergiant Supernova Light Curves. <i>Astrophysical Journal Letters</i> , 2020, 891, L32.	8.3	38
22	Very regular high-frequency pulsation modes in young intermediate-mass stars. <i>Nature</i> , 2020, 581, 147-151.	27.8	69
23	Centrifugally driven mass-loss and outbursts of massive stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 249-265.	4.4	14
24	Resonance locking in giant planets indicated by the rapid orbital expansion of Titan. <i>Nature Astronomy</i> , 2020, 4, 1053-1058.	10.1	87
25	The First Ultracompact Roche Lobeâ€œFilling Hot Subdwarf Binary. <i>Astrophysical Journal</i> , 2020, 891, 45.	4.5	47
26	Differential rotation in convective envelopes: constraints from eclipsing binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 690-707.	4.4	3
27	Inverse tides in pulsating binary stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 501, 483-490.	4.4	11
28	SN2019dge: A Helium-rich Ultra-stripped Envelope Supernova. <i>Astrophysical Journal</i> , 2020, 900, 46.	4.5	38
29	Hydrodynamic Simulations of Pre-supernova Outbursts in Red Supergiants: Asphericity and Mass Loss. <i>Astrophysical Journal</i> , 2020, 900, 99.	4.5	18
30	Cool, Luminous, and Highly Variable Stars in the Magellanic Clouds from ASAS-SN: Implications for Thorneâ€œÅ»tkow Objects and Super-asymptotic Giant Branch Stars. <i>Astrophysical Journal</i> , 2020, 901, 135.	4.5	16
31	Detailed Characterization of Heartbeat Stars and Their Tidally Excited Oscillations. <i>Astrophysical Journal</i> , 2020, 903, 122.	4.5	15
32	A Systematic Search of Zwicky Transient Facility Data for Ultracompact Binary LISA-detectable Gravitational-wave Sources. <i>Astrophysical Journal</i> , 2020, 905, 32.	4.5	62
33	A New Class of Roche Lobeâ€œfilling Hot Subdwarf Binaries. <i>Astrophysical Journal Letters</i> , 2020, 898, L25.	8.3	33
34	An 8.8 Minute Orbital Period Eclipsing Detached Double White Dwarf Binary. <i>Astrophysical Journal Letters</i> , 2020, 905, L7.	8.3	34
35	Tidally excited oscillations in hot white dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 501, 1836-1851.	4.4	6
36	Most Black Holes Are Born Very Slowly Rotating. <i>Astrophysical Journal Letters</i> , 2019, 881, L1.	8.3	191

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37	General relativistic orbital decay in a seven-minute-orbital-period eclipsing binary system. <i>Nature</i> , 2019, 571, 528-531.	27.8	96
38	Angular momentum transport in massive stars and natal neutron star rotation rates. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 4338-4355.	4.4	25
39	A New Class of Large-amplitude Radial-mode Hot Subdwarf Pulsators. <i>Astrophysical Journal Letters</i> , 2019, 878, L35.	8.3	32
40	The Long-term Evolution and Appearance of Type Iax Postgenitor Stars. <i>Astrophysical Journal</i> , 2019, 872, 29.	4.5	14
41	Slowing the spins of stellar cores. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 3661-3680.	4.4	210
42	Orbital Decay in a 20 Minute Orbital Period Detached Binary with a Hydrogen-poor Low-mass White Dwarf. <i>Astrophysical Journal Letters</i> , 2019, 886, L12.	8.3	42
43	KIC 4142768: An Evolved Gamma Doradus/Delta Scuti Hybrid Pulsating Eclipsing Binary with Tidally Excited Oscillations. <i>Astrophysical Journal</i> , 2019, 885, 46.	4.5	34
44	Helium giant stars as progenitors of rapidly fading Type Ibc supernovae. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018, 481, L141-L145.	3.3	13
45	Pre-supernova outbursts via wave heating in massive stars α II. Hydrogen-poor stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 1853-1868.	4.4	74
46	How Cassini can constrain tidal dissipation in Saturn. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 5002-5014.	4.4	7
47	Planet-induced Stellar Pulsations in HAT-P-2's Eccentric System. <i>Astrophysical Journal Letters</i> , 2017, 836, L17.	8.3	36
48	TIDALLY INDUCED PULSATIONS IN KEPLER ECLIPSING BINARY KIC 3230227. <i>Astrophysical Journal</i> , 2017, 834, 59.	4.5	52
49	Tidal dissipation and evolution of white dwarfs around massive black holes: an eccentric path to tidal disruption. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 2296-2310.	4.4	17
50	Pre-supernova outbursts via wave heating in massive stars α I. Red supergiants. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 1642-1656.	4.4	146
51	Heartbeat stars, tidally excited oscillations and resonance locking. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 1538-1564.	4.4	91
52	The Pseudosynchronization of Binary Stars Undergoing Strong Tidal Interactions. <i>Astrophysical Journal</i> , 2017, 846, 147.	4.5	18
53	Accelerated tidal circularization via resonance locking in KIC 8164262. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2017, 472, L25-L29.	3.3	24
54	RADIAL VELOCITY MONITORING OF KEPLER HEARTBEAT STARS*. <i>Astrophysical Journal</i> , 2016, 829, 34.	4.5	70

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55	The Most Massive Heartbeat: Finding the Pulse of $\hat{1}^1$ Orionis. Proceedings of the International Astronomical Union, 2016, 12, 181-185.	0.0	0
56	ASTEROSEISMIC SIGNATURES OF EVOLVING INTERNAL STELLAR MAGNETIC FIELDS. Astrophysical Journal, 2016, 824, 14.	4.5	58
57	Resonance locking as the source of rapid tidal migration in the Jupiter and Saturn moon systems. Monthly Notices of the Royal Astronomical Society, 2016, 458, 3867-3879.	4.4	169
58	Suppression of Quadrupole and Octupole Modes in Red Giants Observed by <i>Kepler</i> . Publications of the Astronomical Society of Australia, 2016, 33, .	3.4	32
59	A prevalence of dynamo-generated magnetic fields in the cores of intermediate-mass stars. Nature, 2016, 529, 364-367.	27.8	101
60	The properties of g-modes in layered semiconvection. Monthly Notices of the Royal Astronomical Society, 2015, 452, 2700-2711.	4.4	11
61	THE SPIN RATE OF PRE-COLLAPSE STELLAR CORES: WAVE-DRIVEN ANGULAR MOMENTUM TRANSPORT IN MASSIVE STARS. Astrophysical Journal, 2015, 810, 101.	4.5	59
62	Heartbeat Stars and the Ringing of Tidal Pulsations. EPJ Web of Conferences, 2015, 101, 04007.	0.3	1
63	Asteroseismology can reveal strong internal magnetic fields in red giant stars. Science, 2015, 350, 423-426.	12.6	119
64	Saturn ring seismology: Evidence for stable stratification in the deep interior of Saturn. Icarus, 2014, 242, 283-296.	2.5	102
65	Dynamical tides in compact white dwarf binaries: influence of rotation. Monthly Notices of the Royal Astronomical Society, 2014, 444, 3488-3500.	4.4	34
66	Non-radial oscillations in rotating giant planets with solid cores: Application to Saturn and its rings. Icarus, 2014, 231, 34-50.	2.5	39
67	ANGULAR MOMENTUM TRANSPORT VIA INTERNAL GRAVITY WAVES IN EVOLVING STARS. Astrophysical Journal, 2014, 796, 17.	4.5	99
68	Dynamical tides in compact white dwarf binaries: helium core white dwarfs, tidal heating and observational signatures. Monthly Notices of the Royal Astronomical Society, 2013, 430, 274-287.	4.4	45
69	TIDAL NOVAE IN COMPACT BINARY WHITE DWARFS. Astrophysical Journal Letters, 2012, 756, L17.	8.3	25
70	Dynamical tides in eccentric binaries and tidally excited stellar pulsations in Kepler KOI-54. Monthly Notices of the Royal Astronomical Society, 2012, 420, 3126-3138.	4.4	111
71	Dynamical tides in compact white dwarf binaries: tidal synchronization and dissipation. Monthly Notices of the Royal Astronomical Society, 2012, , no-no.	4.4	48
72	Tidal excitations of oscillation modes in compact white dwarf binaries - I. Linear theory. Monthly Notices of the Royal Astronomical Society, 2011, , no-no.	4.4	34

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73	Viscous and centrifugal instabilities of massive stars. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0