

James Fuller

List of Publications by Year in descending order

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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 | Slowing the spins of stellar cores. Monthly Notices of the Royal Astronomical Society, 2019, 485, 3661-3680. | 4.4 | 210 |
| 2 | Most Black Holes Are Born Very Slowly Rotating. Astrophysical Journal Letters, 2019, 881, L1. | 8.3 | 191 |
| 3 | 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 |
| 4 | Pre-supernova outbursts via wave heating in massive stars â€“ I. Red supergiants. Monthly Notices of the Royal Astronomical Society, 2017, 470, 1642-1656. | 4.4 | 146 |
| 5 | Asteroseismology can reveal strong internal magnetic fields in red giant stars. Science, 2015, 350, 423-426. | 12.6 | 119 |
| 6 | 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 |
| 7 | Saturn ring seismology: Evidence for stable stratification in the deep interior of Saturn. Icarus, 2014, 242, 283-296. | 2.5 | 102 |
| 8 | A prevalence of dynamo-generated magnetic fields in the cores of intermediate-mass stars. Nature, 2016, 529, 364-367. | 27.8 | 101 |
| 9 | ANGULAR MOMENTUM TRANSPORT VIA INTERNAL GRAVITY WAVES IN EVOLVING STARS. Astrophysical Journal, 2014, 796, 17. | 4.5 | 99 |
| 10 | General relativistic orbital decay in a seven-minute-orbital-period eclipsing binary system. Nature, 2019, 571, 528-531. | 27.8 | 96 |
| 11 | Heartbeat stars, tidally excited oscillations and resonance locking. Monthly Notices of the Royal Astronomical Society, 2017, 472, 1538-1564. | 4.4 | 91 |
| 12 | Resonance locking in giant planets indicated by the rapid orbital expansion of Titan. Nature Astronomy, 2020, 4, 1053-1058. | 10.1 | 87 |
| 13 | Pre-supernova outbursts via wave heating in massive stars â€“ II. Hydrogen-poor stars. Monthly Notices of the Royal Astronomical Society, 2018, 476, 1853-1868. | 4.4 | 74 |
| 14 | RADIAL VELOCITY MONITORING OF KEPLER HEARTBEAT STARS*. Astrophysical Journal, 2016, 829, 34. | 4.5 | 70 |
| 15 | Very regular high-frequency pulsation modes in young intermediate-mass stars. Nature, 2020, 581, 147-151. | 27.8 | 69 |
| 16 | A diffuse core in Saturn revealed by ring seismology. Nature Astronomy, 2021, 5, 1103-1109. | 10.1 | 62 |
| 17 | A Systematic Search of Zwicky Transient Facility Data for Ultracompact Binary LISA-detectable Gravitational-wave Sources. Astrophysical Journal, 2020, 905, 32. | 4.5 | 62 |
| 18 | THE SPIN RATE OF PRE-COLLAPSE STELLAR CORES: WAVE-DRIVEN ANGULAR MOMENTUM TRANSPORT IN MASSIVE STARS. Astrophysical Journal, 2015, 810, 101. | 4.5 | 59 |

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|----|---|------|-----------|
| 19 | ASTEROSEISMIC SIGNATURES OF EVOLVING INTERNAL STELLAR MAGNETIC FIELDS. <i>Astrophysical Journal</i> , 2016, 824, 14. | 4.5 | 58 |
| 20 | A highly magnetized and rapidly rotating white dwarf as small as the Moon. <i>Nature</i> , 2021, 595, 39-42. | 27.8 | 56 |
| 21 | TIDALLY INDUCED PULSATIONS IN KEPLER ECLIPSING BINARY KIC 3230227. <i>Astrophysical Journal</i> , 2017, 834, 59. | 4.5 | 52 |
| 22 | Dynamical tides in compact white dwarf binaries: tidal synchronization and dissipation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, , no-no. | 4.4 | 48 |
| 23 | The First Ultracompact Roche Lobeâ€“Filling Hot Subdwarf Binary. <i>Astrophysical Journal</i> , 2020, 891, 45. | 4.5 | 47 |
| 24 | Dynamical tides in compact white dwarf binaries: helium core white dwarfs, tidal heating and observational signatures. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 430, 274-287. | 4.4 | 45 |
| 25 | 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 |
| 26 | Non-radial oscillations in rotating giant planets with solid cores: Application to Saturn and its rings. <i>Icarus</i> , 2014, 231, 34-50. | 2.5 | 39 |
| 27 | A Diversity of Wave-driven Presupernova Outbursts. <i>Astrophysical Journal</i> , 2021, 906, 3. | 4.5 | 39 |
| 28 | The Influence of Late-stage Nuclear Burning on Red Supergiant Supernova Light Curves. <i>Astrophysical Journal Letters</i> , 2020, 891, L32. | 8.3 | 38 |
| 29 | SN2019dge: A Helium-rich Ultra-stripped Envelope Supernova. <i>Astrophysical Journal</i> , 2020, 900, 46. | 4.5 | 38 |
| 30 | Planet-induced Stellar Pulsations in HAT-P-2's Eccentric System. <i>Astrophysical Journal Letters</i> , 2017, 836, L17. | 8.3 | 36 |
| 31 | Tidal excitations of oscillation modes in compact white dwarf binaries - I. Linear theory. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, , no-no. | 4.4 | 34 |
| 32 | Dynamical tides in compact white dwarf binaries: influence of rotation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 444, 3488-3500. | 4.4 | 34 |
| 33 | 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 |
| 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 | A New Class of Roche Lobeâ€“filling Hot Subdwarf Binaries. <i>Astrophysical Journal Letters</i> , 2020, 898, L25. | 8.3 | 33 |
| 36 | Suppression of Quadrupole and Octupole Modes in Red Giants Observed by <i>Kepler</i>. <i>Publications of the Astronomical Society of Australia</i> , 2016, 33, . | 3.4 | 32 |

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|----|--|-----|-----------|
| 37 | A New Class of Large-amplitude Radial-mode Hot Subdwarf Pulsators. <i>Astrophysical Journal Letters</i> , 2019, 878, L35. | 8.3 | 32 |
| 38 | 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 |
| 39 | The effect of tides on near-core rotation: analysis of 35 Kepler δ -Doradus stars in eclipsing and spectroscopic binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 4363-4375. | 4.4 | 26 |
| 40 | TIDAL NOVAE IN COMPACT BINARY WHITE DWARFS. <i>Astrophysical Journal Letters</i> , 2012, 756, L17. | 8.3 | 25 |
| 41 | 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 |
| 42 | 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 |
| 43 | Orbital Decay of Short-period Exoplanets via Tidal Resonance Locking. <i>Astrophysical Journal</i> , 2021, 918, 16. | 4.5 | 24 |
| 44 | Partial stellar explosions \hat{e} ejected mass and minimal energy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 4266-4275. | 4.4 | 20 |
| 45 | Discovery of a Double-detonation Thermonuclear Supernova Progenitor. <i>Astrophysical Journal Letters</i> , 2022, 925, L12. | 8.3 | 20 |
| 46 | 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 |
| 47 | The Pseudosynchronization of Binary Stars Undergoing Strong Tidal Interactions. <i>Astrophysical Journal</i> , 2017, 846, 147. | 4.5 | 18 |
| 48 | Non-linear dynamical tides in white dwarf binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 5482-5502. | 4.4 | 18 |
| 49 | Hydrodynamic Simulations of Pre-supernova Outbursts in Red Supergiants: Asphericity and Mass Loss. <i>Astrophysical Journal</i> , 2020, 900, 99. | 4.5 | 18 |
| 50 | 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 |
| 51 | Fast Blue Optical Transients Due to Circumstellar Interaction and the Mysterious Supernova SN 2018gep. <i>Astrophysical Journal</i> , 2021, 915, 80. | 4.5 | 16 |
| 52 | Cool, Luminous, and Highly Variable Stars in the Magellanic Clouds from ASAS-SN: Implications for Thorne \hat{e} Objects and Super-asymptotic Giant Branch Stars. <i>Astrophysical Journal</i> , 2020, 901, 135. | 4.5 | 16 |
| 53 | Wave-driven Outbursts and Variability of Low-mass Supernova Progenitors. <i>Astrophysical Journal</i> , 2022, 930, 119. | 4.5 | 16 |
| 54 | A Systematic Search for Outbursting AM CVn Systems with the Zwicky Transient Facility. <i>Astronomical Journal</i> , 2021, 162, 113. | 4.7 | 15 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 55 | Detailed Characterization of Heartbeat Stars and Their Tidally Excited Oscillations. <i>Astrophysical Journal</i> , 2020, 903, 122. | 4.5 | 15 |
| 56 | 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 |
| 57 | The Long-term Evolution and Appearance of Type Iax Postgenitor Stars. <i>Astrophysical Journal</i> , 2019, 872, 29. | 4.5 | 14 |
| 58 | 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 |
| 59 | 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 |
| 60 | A 62-minute orbital period black widow binary in a wide hierarchical triple. <i>Nature</i> , 2022, 605, 41-45. | 27.8 | 13 |
| 61 | Asteroseismic fingerprints of stellar mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 1618-1631. | 4.4 | 12 |
| 62 | Novel Model of an Ultra-stripped Supernova Progenitor of a Double Neutron Star. <i>Astrophysical Journal Letters</i> , 2021, 920, L36. | 8.3 | 12 |
| 63 | The properties of g-modes in layered semiconvection. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 2700-2711. | 4.4 | 11 |
| 64 | Constraining Saturn's Interior with Ring Seismology: Effects of Differential Rotation and Stable Stratification. <i>Planetary Science Journal</i> , 2021, 2, 198. | 3.6 | 11 |
| 65 | Inverse tides in pulsating binary stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 501, 483-490. | 4.4 | 11 |
| 66 | How Cassini can constrain tidal dissipation in Saturn. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 5002-5014. | 4.4 | 7 |
| 67 | 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 |
| 68 | Tidally excited oscillations in hot white dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 501, 1836-1851. | 4.4 | 6 |
| 69 | 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 |
| 70 | 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 |
| 71 | Heartbeat Stars and the Ringing of Tidal Pulsations. <i>EPJ Web of Conferences</i> , 2015, 101, 04007. | 0.3 | 1 |
| 72 | The Most Massive Heartbeat: Finding the Pulse of $\hat{1}$ Orionis. <i>Proceedings of the International Astronomical Union</i> , 2016, 12, 181-185. | 0.0 | 0 |

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