

Stephen Justham

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

2,621
citations

257101

24
h-index

454577

30
g-index

31
all docs

31
docs citations

31
times ranked

2349
citing authors

#	ARTICLE	IF	CITATIONS
1	Discovery of a highly magnetic He-sdO star from a double-degenerate binary merger. <i>Astronomy and Astrophysics</i> , 2022, 658, L9.	2.1	7
2	Rapid Stellar and Binary Population Synthesis with COMPAS. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 34.	3.0	57
3	The Redshift Evolution of the Binary Black Hole Merger Rate: A Weighty Matter. <i>Astrophysical Journal</i> , 2022, 931, 17.	1.6	56
4	Impact of massive binary star and cosmic evolution on gravitational wave observations – II. Double compact object rates and properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 5737-5761.	1.6	47
5	Detailed evolutionary models of massive contact binaries – I. Model grids and synthetic populations for the Magellanic Clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 5013-5033.	1.6	21
6	Impact of massive binary star and cosmic evolution on gravitational wave observations I: black hole–neutron star mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 5028-5063.	1.6	83
7	Effect of binary evolution on the inferred initial and final core masses of hydrogen-rich, Type II supernova progenitors. <i>Astronomy and Astrophysics</i> , 2021, 645, A6.	2.1	26
8	Different to the core: The pre-supernova structures of massive single and binary-stripped stars. <i>Astronomy and Astrophysics</i> , 2021, 656, A58.	2.1	62
9	The Cosmic Carbon Footprint of Massive Stars Stripped in Binary Systems. <i>Astrophysical Journal</i> , 2021, 923, 214.	1.6	13
10	Common envelope episodes that lead to double neutron star formation. <i>Publications of the Astronomical Society of Australia</i> , 2020, 37, .	1.3	40
11	Sensitivity of the lower edge of the pair-instability black hole mass gap to the treatment of time-dependent convection. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 4333-4341.	1.6	60
12	The expansion of stripped-envelope stars: Consequences for supernovae and gravitational-wave progenitors. <i>Astronomy and Astrophysics</i> , 2020, 637, A6.	2.1	76
13	Luminous Red Novae: population models and future prospects. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 3229-3240.	1.6	42
14	Predictions for the hydrogen-free ejecta of pulsational pair-instability supernovae. <i>Astronomy and Astrophysics</i> , 2020, 640, A56.	2.1	51
15	Polluting the Pair-instability Mass Gap for Binary Black Holes through Super-Eddington Accretion in Isolated Binaries. <i>Astrophysical Journal</i> , 2020, 897, 100.	1.6	77
16	Noninteracting Black Hole Binaries with Gaia and LAMOST. <i>Astrophysical Journal</i> , 2020, 905, 134.	1.6	21
17	Constraints from Gravitational-wave Detections of Binary Black Hole Mergers on the $\langle \dot{C} \rangle$ Rate. <i>Astrophysical Journal Letters</i> , 2020, 902, L36.	3.0	122
18	Massive runaway and walkaway stars. <i>Astronomy and Astrophysics</i> , 2019, 624, A66.	2.1	131

#	ARTICLE	IF	CITATIONS
19	<scp>stroopwafel</scp>: simulating rare outcomes from astrophysical populations, with application to gravitational-wave sources. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5228-5248.	1.6	30
20	Clues on the Origin and Evolution of Massive Contact Binaries: Atmosphere Analysis of VFTS 352. Astrophysical Journal, 2019, 880, 115.	1.6	30
21	Massive Stellar Mergers as Precursors of Hydrogen-rich Pulsational Pair Instability Supernovae. Astrophysical Journal Letters, 2019, 876, L29.	3.0	28
22	Mind the Gap: The Location of the Lower Edge of the Pair-instability Supernova Black Hole Mass Gap. Astrophysical Journal, 2019, 887, 53.	1.6	209
23	A wide starâ€“black-hole binary system from radial-velocity measurements. Nature, 2019, 575, 618-621.	13.7	142
24	Space astrometry of the very massive $\hat{1}4150\hat{A}M_{\odot}$ candidate runaway star VFTS682. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 482, L102-L106.	1.2	12
25	On the formation history of Galactic double neutron stars. Monthly Notices of the Royal Astronomical Society, 2018, 481, 4009-4029.	1.6	189
26	Relativistic baryonic jets from an ultraluminous supersoft X-ray source. Nature, 2015, 528, 108-110.	13.7	22
27	LUMINOUS BLUE VARIABLES AND SUPERLUMINOUS SUPERNOVAE FROM BINARY MERGERS. Astrophysical Journal, 2014, 796, 121.	1.6	100
28	Common envelope evolution: where we stand and how we can move forward. Astronomy and Astrophysics Review, 2013, 21, 1.	9.1	691
29	On the formation of single and binary helium-rich subdwarf O stars. Monthly Notices of the Royal Astronomical Society, 2011, 410, 984-993.	1.6	43
30	Supernova Shock Breakout from a Red Supergiant. Science, 2008, 321, 223-226.	6.0	115
31	Constraining the overcontact phase in massive binary evolution. I. Mixing in V382 Cyg, VFTS 352, and OGLE SMC-SC10 108086. Astronomy and Astrophysics, 0, , .	2.1	18