

Floor S Broekgaarden

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

871
citations

687363

13
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839539

18
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all docs

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docs citations

18
times ranked

754
citing authors

#	ARTICLE	IF	CITATIONS
1	COMPAS: A rapid binary population synthesis suite. <i>Journal of Open Source Software</i> , 2022, 7, 3838.	4.6	9
2	Rapid Stellar and Binary Population Synthesis with COMPAS. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 34.	7.7	57
3	Rates of compact object coalescences. <i>Living Reviews in Relativity</i> , 2022, 25, 1.	26.7	102
4	Evidence from Disrupted Halo Dwarfs that r-process Enrichment via Neutron Star Mergers is Delayed by ~ 3500 Myr. <i>Astrophysical Journal Letters</i> , 2022, 926, L36.	8.3	33
5	Evidence for X-Ray Emission in Excess to the Jet-afterglow Decay 3.5 yr after the Binary Neutron Star Merger GW 170817: A New Emission Component. <i>Astrophysical Journal Letters</i> , 2022, 927, L17.	8.3	41
6	Modelling the formation of the first two neutron star–black hole mergers, GW200105 and GW200115: metallicity, chirp masses, and merger remnant spins. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 5780-5789.	4.4	12
7	Wide binary pulsars from electron-capture supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 6105-6110.	4.4	4
8	The Redshift Evolution of the Binary Black Hole Merger Rate: A Weighty Matter. <i>Astrophysical Journal</i> , 2022, 931, 17.	4.5	56
9	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.	4.4	47
10	Modelling neutron star–black hole binaries: future pulsar surveys and gravitational wave detectors. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 3682-3710.	4.4	43
11	Population synthesis of accreting white dwarfs: rates and evolutionary pathways of H and He novae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 6117-6143.	4.4	7
12	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.	4.4	83
13	Formation of the First Two Black Hole–Neutron Star Mergers (GW200115 and GW200105) from Isolated Binary Evolution. <i>Astrophysical Journal Letters</i> , 2021, 920, L13.	8.3	33
14	Uncertainty quantification of a computer model for binary black hole formation. <i>Annals of Applied Statistics</i> , 2021, 15, .	1.1	5
15	Common envelope episodes that lead to double neutron star formation. <i>Publications of the Astronomical Society of Australia</i> , 2020, 37, .	3.4	40
16	Polluting the Pair-instability Mass Gap for Binary Black Holes through Super-Eddington Accretion in Isolated Binaries. <i>Astrophysical Journal</i> , 2020, 897, 100.	4.5	77
17	<scp>stroopwafel</scp>: simulating rare outcomes from astrophysical populations, with application to gravitational-wave sources. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 5228-5248.	4.4	30
18	The effect of the metallicity-specific star formation history on double compact object mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 3740-3759.	4.4	192