

Ludwig Jens Papenfort

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

694
citations

840776

11
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

718
citing authors

#	ARTICLE	IF	CITATIONS
1	Signatures of Quark-Hadron Phase Transitions in General-Relativistic Neutron-Star Mergers. <i>Physical Review Letters</i> , 2019, 122, 061101.	7.8	248
2	A lower bound on the maximum mass if the secondary in GW190814 was once a rapidly spinning neutron star. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 499, L82-L86.	3.3	110
3	On the deconfinement phase transition in neutron-star mergers. <i>European Physical Journal A</i> , 2020, 56, 1.	2.5	65
4	Beyond second-order convergence in simulations of magnetized binary neutron stars with realistic microphysics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 3588-3600.	4.4	60
5	Neutron Star Mergers: Probing the EoS of Hot, Dense Matter by Gravitational Waves. <i>Particles</i> , 2019, 2, 44-56.	1.7	44
6	Dynamical ejecta and nucleosynthetic yields from eccentric binary neutron-star mergers. <i>Physical Review D</i> , 2018, 98, .	4.7	38
7	Impact of High Spins on the Ejection of Mass in GW170817. <i>Astrophysical Journal</i> , 2019, 884, 40.	4.5	25
8	New public code for initial data of unequal-mass, spinning compact-object binaries. <i>Physical Review D</i> , 2021, 104, .	4.7	24
9	On accretion discs formed in MHD simulations of black hole–neutron star mergers with accurate microphysics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 3511-3526.	4.4	21
10	Quasi-universal Behavior of the Threshold Mass in Unequal-mass, Spinning Binary Neutron Star Mergers. <i>Astrophysical Journal Letters</i> , 2021, 922, L19.	8.3	20
11	Fast Ejecta as a Potential Way to Distinguish Black Holes from Neutron Stars in High-mass Gravitational-wave Events. <i>Astrophysical Journal</i> , 2021, 912, 80.	4.5	18
12	Impact of extreme spins and mass ratios on the post-merger observables of high-mass binary neutron stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 3646-3662.	4.4	12
13	Neutron-Star-Merger Equation of State. <i>Universe</i> , 2019, 5, 129.	2.5	6
14	New first-order formulation of the Einstein equations exploiting analogies with electrodynamics. <i>Physical Review D</i> , 2022, 105, .	4.7	3