

Lukas R Weih

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6993139/publications.pdf>

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11
papers

1,430
citations

1040056

9
h-index

1281871

11
g-index

11
all docs

11
docs citations

11
times ranked

1315
citing authors

#	ARTICLE	IF	CITATIONS
1	Using Gravitational-wave Observations and Quasi-universal Relations to Constrain the Maximum Mass of Neutron Stars. <i>Astrophysical Journal Letters</i> , 2018, 852, L25.	8.3	559
2	New Constraints on Radii and Tidal Deformabilities of Neutron Stars from GW170817. <i>Physical Review Letters</i> , 2018, 120, 261103.	7.8	527
3	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
4	Postmerger Gravitational-Wave Signatures of Phase Transitions in Binary Mergers. <i>Physical Review Letters</i> , 2020, 124, 171103.	7.8	110
5	On the stability and maximum mass of differentially rotating relativistic stars. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018, 473, L126-L130.	3.3	47
6	Optimal Neutron-star Mass Ranges to Constrain the Equation of State of Nuclear Matter with Electromagnetic and Gravitational-wave Observations. <i>Astrophysical Journal</i> , 2019, 881, 73.	4.5	22
7	Beyond moments: relativistic lattice Boltzmann methods for radiative transport in computational astrophysics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 3374-3394.	4.4	20
8	Two-moment scheme for general-relativistic radiation hydrodynamics: a systematic description and new applications. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 2285-2304.	4.4	20
9	The heavier the better: how to constrain mass ratios and spins of high-mass neutron star mergers. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 496, L16-L21.	3.3	9
10	Metastable hypermassive hybrid stars as neutron-star merger remnants. <i>European Physical Journal: Special Topics</i> , 2021, 230, 543-550.	2.6	5
11	Neutron star collisions and gravitational waves. <i>Astronomische Nachrichten</i> , 2021, 342, 788-798.	1.2	1