Elias R Most

List of Publications by Year
in descending order

35	2,227	394421	361022
papers	citations	19	35
		h-index	g-index

35	35	35	1857
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Using Gravitational-wave Observations and Quasi-universal Relations to Constrain the Maximum Mass of Neutron Stars. Astrophysical Journal Letters, 2018, 852, L25.	8.3	559
2	New Constraints on Radii and Tidal Deformabilities of Neutron Stars from GW170817. Physical Review Letters, 2018, 120, 261103.	7.8	527
3	Signatures of Quark-Hadron Phase Transitions in General-Relativistic Neutron-Star Mergers. Physical Review Letters, 2019, 122, 061101.	7.8	248
4	A lower bound on the maximum mass if the secondary in GW190814 was once a rapidly spinning neutron star. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 499, L82-L86.	3.3	110
5	On the deconfinement phase transition in neutron-star mergers. European Physical Journal A, 2020, 56, 1.	2.5	65
6	GW170817 and GW190814: Tension on the Maximum Mass. Astrophysical Journal Letters, 2021, 908, L28.	8.3	63
7	Beyond second-order convergence in simulations of magnetized binary neutron stars with realistic microphysics. Monthly Notices of the Royal Astronomical Society, 2019, 490, 3588-3600.	4.4	60
8	Constrained transport and adaptive mesh refinement in the Black Hole Accretion Code. Astronomy and Astrophysics, 2019, 629, A61.	5.1	51
9	On the stability and maximum mass of differentially rotating relativistic stars. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 473, L126-L130.	3.3	47
10	General-relativistic Resistive Magnetohydrodynamics with Robust Primitive-variable Recovery for Accretion Disk Simulations. Astrophysical Journal, Supplement Series, 2019, 244, 10.	7.7	45
11	Neutron Star Mergers: Probing the EoS of Hot, Dense Matter by Gravitational Waves. Particles, 2019, 2, 44-56.	1.7	44
12	Electromagnetic Precursors to Gravitational-wave Events: Numerical Simulations of Flaring in Pre-merger Binary Neutron Star Magnetospheres. Astrophysical Journal Letters, 2020, 893, L6.	8.3	41
13	Gravitational collapse to a Kerrâ€"Newman black hole. Monthly Notices of the Royal Astronomical Society: Letters, 2017, 469, L31-L35.	3.3	38
14	Projecting the likely importance of weak-interaction-driven bulk viscosity in neutron star mergers. Monthly Notices of the Royal Astronomical Society, 2021, 509, 1096-1108.	4.4	34
15	Impact of High Spins on the Ejection of Mass in GW170817. Astrophysical Journal, 2019, 884, 40.	4.5	25
16	New public code for initial data of unequal-mass, spinning compact-object binaries. Physical Review D, 2021, 104, .	4.7	24
17	Impact of the nuclear symmetry energy on the post-merger phase of a binary neutron star coalescence. Physical Review D, 2021, 104, .	4.7	24
18	Optimal Neutron-star Mass Ranges to Constrain the Equation of State of Nuclear Matter with Electromagnetic and Gravitational-wave Observations. Astrophysical Journal, 2019, 881, 73.	4.5	22

#	Article	IF	Citations
19	On accretion discs formed in MHD simulations of black hole–neutron star mergers with accurate microphysics. Monthly Notices of the Royal Astronomical Society, 2021, 506, 3511-3526.	4.4	21
20	Electromagnetic Emission from Blitzars and Its Impact on Non-repeating Fast Radio Bursts. Astrophysical Journal, 2018, 864, 117.	4.5	20
21	Quasi-universal Behavior of the Threshold Mass in Unequal-mass, Spinning Binary Neutron Star Mergers. Astrophysical Journal Letters, 2021, 922, L19.	8.3	20
22	Fast Ejecta as a Potential Way to Distinguish Black Holes from Neutron Stars in High-mass Gravitational-wave Events. Astrophysical Journal, 2021, 912, 80.	4.5	18
23	Dissipative magnetohydrodynamics for nonresistive relativistic plasmas: An implicit second-order flux-conservative formulation with stiff relaxation. Physical Review D, 2021, 104, .	4.7	18
24	Modelling general-relativistic plasmas with collisionless moments and dissipative two-fluid magnetohydrodynamics. Monthly Notices of the Royal Astronomical Society, 2022, 514, 4989-5003.	4.4	15
25	Impact of extreme spins and mass ratios on the post-merger observables of high-mass binary neutron stars. Monthly Notices of the Royal Astronomical Society, 2022, 513, 3646-3662.	4.4	12
26	Conservative finite volume scheme for first-order viscous relativistic hydrodynamics. Physical Review D, 2022, 105, .	4.7	12
27	Electromagnetic precursor flares from the late inspiral of neutron star binaries. Monthly Notices of the Royal Astronomical Society, 2022, 515, 2710-2724.	4.4	11
28	The heavier the better: how to constrain mass ratios and spins of high-mass neutron star mergers. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 496, L16-L21.	3.3	9
29	How do spherical black holes grow monopole hair?. Physical Review D, 2022, 105, .	4.7	9
30	Characterizing the Breakdown of Quasi-universality in Postmerger Gravitational Waves from Binary Neutron Star Mergers. Astrophysical Journal Letters, 2022, 933, L39.	8.3	9
31	Neutron-Star-Merger Equation of State. Universe, 2019, 5, 129.	2.5	6
32	Scaling of Small-scale Dynamo Properties in the Rayleigh–Taylor Instability. Astrophysical Journal, 2021, 921, 75.	4.5	6
33	Magnetar Bursts Due to Alfvén Wave Nonlinear Breakout. Astrophysical Journal, 2022, 933, 174.	4.5	6
34	MAGIC - how MAtter's extreme phases can be revealed in Gravitational wave observations and in relativistic heavy Ion Collision experiments. Journal of Physics: Conference Series, 2019, 1271, 012023.	0.4	5
35	New first-order formulation of the Einstein equations exploiting analogies with electrodynamics. Physical Review D, 2022, 105, .	4.7	3