Elias R Most

List of Publications by Year
in descending order

35 papers	2,227 citations	394421 19 h-index	361022 35 g-index
35 all docs	35 docs citations	35 times ranked	1857 citing authors

#	ARTICLE	IF	CITATIONS
1	How do spherical black holes grow monopole hair?. Physical Review D, 2022, 105, .	4.7	9
2	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
3	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
4	Conservative finite volume scheme for first-order viscous relativistic hydrodynamics. Physical Review D, 2022, 105, .	4.7	12
5	New first-order formulation of the Einstein equations exploiting analogies with electrodynamics. Physical Review D, 2022, 105, .	4.7	3
6	Characterizing the Breakdown of Quasi-universality in Postmerger Gravitational Waves from Binary Neutron Star Mergers. Astrophysical Journal Letters, 2022, 933, L39.	8.3	9
7	Magnetar Bursts Due to Alfvén Wave Nonlinear Breakout. Astrophysical Journal, 2022, 933, 174.	4.5	6
8	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
9	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
10	GW170817 and GW190814: Tension on the Maximum Mass. Astrophysical Journal Letters, 2021, 908, L28.	8.3	63
11	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
12	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
13	New public code for initial data of unequal-mass, spinning compact-object binaries. Physical Review D, 2021, 104, .	4.7	24
14	Scaling of Small-scale Dynamo Properties in the Rayleigh–Taylor Instability. Astrophysical Journal, 2021, 921, 75.	4.5	6
15	Quasi-universal Behavior of the Threshold Mass in Unequal-mass, Spinning Binary Neutron Star Mergers. Astrophysical Journal Letters, 2021, 922, L19.	8.3	20
16	Dissipative magnetohydrodynamics for nonresistive relativistic plasmas: An implicit second-order flux-conservative formulation with stiff relaxation. Physical Review D, 2021, 104, .	4.7	18
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	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

#	Article	IF	Citations
19	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
20	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
21	On the deconfinement phase transition in neutron-star mergers. European Physical Journal A, 2020, 56, 1.	2.5	65
22	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
23	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
24	General-relativistic Resistive Magnetohydrodynamics with Robust Primitive-variable Recovery for Accretion Disk Simulations. Astrophysical Journal, Supplement Series, 2019, 244, 10.	7.7	45
25	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
26	Neutron-Star-Merger Equation of State. Universe, 2019, 5, 129.	2.5	6
27	Neutron Star Mergers: Probing the EoS of Hot, Dense Matter by Gravitational Waves. Particles, 2019, 2, 44-56.	1.7	44
28	Signatures of Quark-Hadron Phase Transitions in General-Relativistic Neutron-Star Mergers. Physical Review Letters, 2019, 122, 061101.	7.8	248
29	Constrained transport and adaptive mesh refinement in the Black Hole Accretion Code. Astronomy and Astrophysics, 2019, 629, A61.	5.1	51
30	Impact of High Spins on the Ejection of Mass in GW170817. Astrophysical Journal, 2019, 884, 40.	4.5	25
31	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
32	Electromagnetic Emission from Blitzars and Its Impact on Non-repeating Fast Radio Bursts. Astrophysical Journal, 2018, 864, 117.	4.5	20
33	New Constraints on Radii and Tidal Deformabilities of Neutron Stars from GW170817. Physical Review Letters, 2018, 120, 261103.	7.8	527
34	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
35	Gravitational collapse to a Kerr–Newman black hole. Monthly Notices of the Royal Astronomical Society: Letters, 2017, 469, L31-L35.	3.3	38