

# Zachariah B Etienne

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5668736/publications.pdf>

Version: 2024-02-01

45  
papers

2,340  
citations

201385

27  
h-index

264894

42  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1775  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. <i>Astrophysical Journal, Supplement Series</i> , 2019, 243, 26.	3.0	175
2	General relativistic simulations of magnetized binary neutron star mergers. <i>Physical Review D</i> , 2008, 78, .	1.6	160
3	General relativistic simulations of black-hole–neutron-star mergers: Effects of black-hole spin. <i>Physical Review D</i> , 2009, 79, .	1.6	135
4	Fully general relativistic simulations of black hole-neutron star mergers. <i>Physical Review D</i> , 2008, 77, .	1.6	133
5	Error-analysis and comparison to analytical models of numerical waveforms produced by the NRAR Collaboration. <i>Classical and Quantum Gravity</i> , 2013, 31, 025012.	1.5	123
6	Testing gravitational-wave searches with numerical relativity waveforms: results from the first Numerical INjection Analysis (NINJA) project. <i>Classical and Quantum Gravity</i> , 2009, 26, 165008.	1.5	110
7	The NINJA-2 catalog of hybrid post-Newtonian/numerical-relativity waveforms for non-precessing black-hole binaries. <i>Classical and Quantum Gravity</i> , 2012, 29, 124001.	1.5	106
8	Relativistic magnetohydrodynamics in dynamical spacetimes: A new adaptive mesh refinement implementation. <i>Physical Review D</i> , 2010, 82, .	1.6	101
9	Binary Black-Hole Mergers in Magnetized Disks: Simulations in Full General Relativity. <i>Physical Review Letters</i> , 2012, 109, 221102.	2.9	98
10	IllinoisGRMHD: an open-source, user-friendly GRMHD code for dynamical spacetimes. <i>Classical and Quantum Gravity</i> , 2015, 32, 175009.	1.5	95
11	Accretion disks around binary black holes of unequal mass: General relativistic magnetohydrodynamic simulations near decoupling. <i>Physical Review D</i> , 2014, 89, .	1.6	87
12	General relativistic simulations of black-hole–neutron-star mergers: Effects of magnetic fields. <i>Physical Review D</i> , 2012, 85, .	1.6	85
13	Filling the holes: Evolving excised binary black hole initial data with puncture techniques. <i>Physical Review D</i> , 2007, 76, .	1.6	79
14	General-relativistic simulations of binary black hole-neutron stars: Precursor electromagnetic signals. <i>Physical Review D</i> , 2013, 88, .	1.6	72
15	Relativistic magnetohydrodynamics in dynamical spacetimes: Improved electromagnetic gauge condition for adaptive mesh refinement grids. <i>Physical Review D</i> , 2012, 85, .	1.6	69
16	Accretion disks around binary black holes of unequal mass: General relativistic MHD simulations of postdecoupling and merger. <i>Physical Review D</i> , 2014, 90, .	1.6	64
17	Importance of cooling in triggering the collapse of hypermassive neutron stars. <i>Physical Review D</i> , 2012, 86, .	1.6	63
18	General-relativistic simulations of black-hole–neutron-star mergers: Effects of tilted magnetic fields. <i>Physical Review D</i> , 2012, 86, .	1.6	62



#	ARTICLE	IF	CITATIONS
37	Induced spins from scattering experiments of initially nonspinning black holes. <i>Physical Review D</i> , 2019, 100, .	1.6	7
38	Electromagnetic emission from a binary black hole merger remnant in plasma: Field alignment and plasma temperature. <i>Physical Review D</i> , 2021, 103, .	1.6	7
39	Numerical generation of vector potentials from specified magnetic fields. <i>Journal of Computational Physics</i> , 2019, 379, 421-437.	1.9	6
40	General relativistic hydrodynamics on a moving-mesh I: static spaceâ€ˆtimes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 206-214.	1.6	6
41	Active optical table tilt stabilization. <i>Review of Scientific Instruments</i> , 2020, 91, 076102.	0.6	3
42	NRPyCritCol & SFcollapse1D: an open-source, user-friendly toolkit to study critical phenomena. <i>Classical and Quantum Gravity</i> , 0, , .	1.5	2
43	Fast hyperbolic relaxation elliptic solver for numerical relativity: Conformally flat, binary puncture initial data. <i>Physical Review D</i> , 2022, 105, .	1.6	2
44	Advanced Models of Black Holeâ€ˆNeutron Star Binaries and Their Astrophysical Impact. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2015, , 59-74.	0.3	0
45	NUMERICAL RELATIVITY SIMULATIONS OF MAGNETIZED BLACK HOLEâ€ˆNEUTRON STAR MERGERS. , 2015, , .		0