

# James Healy

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

2,567  
citations

257450

24  
h-index

302126

39  
g-index

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39  
docs citations

39  
times ranked

2087  
citing authors

#	ARTICLE	IF	CITATIONS
1	Testing general relativity with present and future astrophysical observations. <i>Classical and Quantum Gravity</i> , 2015, 32, 243001.	4.0	943
2	Error-analysis and comparison to analytical models of numerical waveforms produced by the NRAR Collaboration. <i>Classical and Quantum Gravity</i> , 2013, 31, 025012.	4.0	123
3	Georgia tech catalog of gravitational waveforms. <i>Classical and Quantum Gravity</i> , 2016, 33, 204001.	4.0	123
4	Remnant mass, spin, and recoil from spin aligned black-hole binaries. <i>Physical Review D</i> , 2014, 90, .	4.7	119
5	Modeling ringdown: Beyond the fundamental quasinormal modes. <i>Physical Review D</i> , 2014, 90, .	4.7	118
6	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.	4.0	106
7	Zoom-Whirl Orbits in Black Hole Binaries. <i>Physical Review Letters</i> , 2009, 103, 131101.	7.8	74
8	Remnant of binary black-hole mergers: New simulations and peak luminosity studies. <i>Physical Review D</i> , 2017, 95, .	4.7	71
9	Late inspiral and merger of binary black holes in scalar-tensor theories of gravity. <i>Classical and Quantum Gravity</i> , 2012, 29, 232002.	4.0	70
10	Superkicks in Hyperbolic Encounters of Binary Black Holes. <i>Physical Review Letters</i> , 2009, 102, 041101.	7.8	69
11	Modeling the source of GW150914 with targeted numerical-relativity simulations. <i>Classical and Quantum Gravity</i> , 2016, 33, 244002.	4.0	67
12	The RIT binary black hole simulations catalog. <i>Classical and Quantum Gravity</i> , 2017, 34, 224001.	4.0	67
13	Second RIT binary black hole simulations catalog and its application to gravitational waves parameter estimation. <i>Physical Review D</i> , 2019, 100, .	4.7	50
14	Perturbative extraction of gravitational waveforms generated with numerical relativity. <i>Physical Review D</i> , 2015, 91, .	4.7	44
15	Impact of higher-order modes on the detection of binary black hole coalescences. <i>Physical Review D</i> , 2013, 87, .	4.7	42
16	Spin flips in generic black hole binaries. <i>Physical Review D</i> , 2016, 93, .	4.7	42
17	Flip-Flopping Binary Black Holes. <i>Physical Review Letters</i> , 2015, 114, 141101.	7.8	36
18	Hangup effect in unequal mass binary black hole mergers and further studies of their gravitational radiation and remnant properties. <i>Physical Review D</i> , 2018, 97, .	4.7	35

#	ARTICLE	IF	CITATIONS
19	Third RIT binary black hole simulations catalog. <i>Physical Review D</i> , 2020, 102, .	4.7	32
20	Addendum to “The NINJA-2 catalog of hybrid post-Newtonian/numerical-relativity waveforms for non-precessing black-hole binaries”™. <i>Classical and Quantum Gravity</i> , 2013, 30, 199401.	4.0	28
21	Unstable flip-flopping spinning binary black holes. <i>Physical Review D</i> , 2016, 93, .	4.7	27
22	Puncture initial data for black-hole binaries with high spins and high boosts. <i>Physical Review D</i> , 2017, 95, .	4.7	26
23	Exploring the Small Mass Ratio Binary Black Hole Merger via Zeno’s Dichotomy Approach. <i>Physical Review Letters</i> , 2020, 125, 191102.	7.8	25
24	Fourth RIT binary black hole simulations catalog: Extension to eccentric orbits. <i>Physical Review D</i> , 2022, 105, .	4.7	24
25	High energy collisions of black holes numerically revisited. <i>Physical Review D</i> , 2016, 94, .	4.7	23
26	Post-Newtonian quasicircular initial orbits for numerical relativity. <i>Classical and Quantum Gravity</i> , 2017, 34, 145011.	4.0	22
27	Nonspinning binary black hole merger scenario revisited. <i>Physical Review D</i> , 2017, 96, .	4.7	21
28	Binary-Black-Hole Encounters, Gravitational Bursts, and Maximum Final Spin. <i>Physical Review Letters</i> , 2008, 101, 061102.	7.8	19
29	Critical collapse of scalar fields beyond axisymmetry. <i>General Relativity and Gravitation</i> , 2014, 46, 1.	2.0	18
30	Template mode hierarchies for binary black hole mergers. <i>Physical Review D</i> , 2013, 88, .	4.7	17
31	Final mass and maximum spin of merged black holes and the golden black hole. <i>Physical Review D</i> , 2010, 81, .	4.7	16
32	Evolutions of nearly maximally spinning black hole binaries using the moving puncture approach. <i>Physical Review D</i> , 2017, 96, .	4.7	15
33	Gravitational wave beacons. <i>Physical Review D</i> , 2019, 99, .	4.7	12
34	Numerical-relativity validation of effective-one-body waveforms in the intermediate-mass-ratio regime. <i>Physical Review D</i> , 2022, 105, .	4.7	11
35	Decoding the final state in binary black hole mergers. <i>Classical and Quantum Gravity</i> , 2014, 31, 212001.	4.0	9
36	Evolutions of unequal mass, highly spinning black hole binaries. <i>Physical Review D</i> , 2018, 97, .	4.7	8

#	ARTICLE	IF	CITATIONS
37	Application of the third RIT binary black hole simulations catalog to parameter estimation of gravitational-wave signals from the LIGO-Virgo O1 and O2 observational runs. Physical Review D, 2020, 102, .	4.7	7
38	Adapted gauge to a quasilocal measure of the black holes recoil. Physical Review D, 2020, 102, .	4.7	5
39	Exploring the use of numerical relativity waveforms in burst analysis of precessing black hole mergers. Physical Review D, 2011, 83, .	4.7	3