

James Healy

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

2,567
citations

257450

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39
times ranked

2087
citing authors

#	ARTICLE	IF	CITATIONS
1	Fourth RIT binary black hole simulations catalog: Extension to eccentric orbits. Physical Review D, 2022, 105, .	4.7	24
2	Numerical-relativity validation of effective-one-body waveforms in the intermediate-mass-ratio regime. Physical Review D, 2022, 105, .	4.7	11
3	Adapted gauge to a quasilocal measure of the black holes recoil. Physical Review D, 2020, 102, .	4.7	5
4	Exploring the Small Mass Ratio Binary Black Hole Merger via Zeno's Dichotomy Approach. Physical Review Letters, 2020, 125, 191102.	7.8	25
5	Third RIT binary black hole simulations catalog. Physical Review D, 2020, 102, .	4.7	32
6	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
7	Second RIT binary black hole simulations catalog and its application to gravitational waves parameter estimation. Physical Review D, 2019, 100, .	4.7	50
8	Gravitational wave beacons. Physical Review D, 2019, 99, .	4.7	12
9	Hangup effect in unequal mass binary black hole mergers and further studies of their gravitational radiation and remnant properties. Physical Review D, 2018, 97, .	4.7	35
10	Evolutions of unequal mass, highly spinning black hole binaries. Physical Review D, 2018, 97, .	4.7	8
11	Puncture initial data for black-hole binaries with high spins and high boosts. Physical Review D, 2017, 95, .	4.7	26
12	Remnant of binary black-hole mergers: New simulations and peak luminosity studies. Physical Review D, 2017, 95, .	4.7	71
13	Nonspinning binary black hole merger scenario revisited. Physical Review D, 2017, 96, .	4.7	21
14	Evolutions of nearly maximally spinning black hole binaries using the moving puncture approach. Physical Review D, 2017, 96, .	4.7	15
15	The RIT binary black hole simulations catalog. Classical and Quantum Gravity, 2017, 34, 224001.	4.0	67
16	Post-Newtonian quasicircular initial orbits for numerical relativity. Classical and Quantum Gravity, 2017, 34, 145011.	4.0	22
17	Georgia tech catalog of gravitational waveforms. Classical and Quantum Gravity, 2016, 33, 204001.	4.0	123
18	Spin flips in generic black hole binaries. Physical Review D, 2016, 93, .	4.7	42

#	ARTICLE	IF	CITATIONS
19	Unstable flip-flopping spinning binary black holes. <i>Physical Review D</i> , 2016, 93, .	4.7	27
20	Modeling the source of GW150914 with targeted numerical-relativity simulations. <i>Classical and Quantum Gravity</i> , 2016, 33, 244002.	4.0	67
21	High energy collisions of black holes numerically revisited. <i>Physical Review D</i> , 2016, 94, .	4.7	23
22	Perturbative extraction of gravitational waveforms generated with numerical relativity. <i>Physical Review D</i> , 2015, 91, .	4.7	44
23	Testing general relativity with present and future astrophysical observations. <i>Classical and Quantum Gravity</i> , 2015, 32, 243001.	4.0	943
24	Flip-Flopping Binary Black Holes. <i>Physical Review Letters</i> , 2015, 114, 141101.	7.8	36
25	Modeling ringdown: Beyond the fundamental quasinormal modes. <i>Physical Review D</i> , 2014, 90, .	4.7	118
26	Remnant mass, spin, and recoil from spin aligned black-hole binaries. <i>Physical Review D</i> , 2014, 90, .	4.7	119
27	Critical collapse of scalar fields beyond axisymmetry. <i>General Relativity and Gravitation</i> , 2014, 46, 1.	2.0	18
28	Decoding the final state in binary black hole mergers. <i>Classical and Quantum Gravity</i> , 2014, 31, 212001.	4.0	9
29	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
30	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
31	Template mode hierarchies for binary black hole mergers. <i>Physical Review D</i> , 2013, 88, .	4.7	17
32	Impact of higher-order modes on the detection of binary black hole coalescences. <i>Physical Review D</i> , 2013, 87, .	4.7	42
33	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
34	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
35	Exploring the use of numerical relativity waveforms in burst analysis of precessing black hole mergers. <i>Physical Review D</i> , 2011, 83, .	4.7	3
36	Final mass and maximum spin of merged black holes and the golden black hole. <i>Physical Review D</i> , 2010, 81, .	4.7	16

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37	Superkicks in Hyperbolic Encounters of Binary Black Holes. Physical Review Letters, 2009, 102, 041101.	7.8	69
38	Zoom-Whirl Orbits in Black Hole Binaries. Physical Review Letters, 2009, 103, 131101.	7.8	74
39	Binary-Black-Hole Encounters, Gravitational Bursts, and Maximum Final Spin. Physical Review Letters, 2008, 101, 061102.	7.8	19