

# Alessandra Buonanno

## List of Publications by Year in descending order

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188  
papers

48,696  
citations

4136

87  
h-index

2894

190  
g-index

193  
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193  
docs citations

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times ranked

15086  
citing authors

#	ARTICLE	IF	CITATIONS
1	Observing Intermediate-mass Black Holes and the Upper Stellar-mass gap with LIGO and Virgo. <i>Astrophysical Journal</i> , 2022, 924, 39.	1.6	32
2	A Detailed Analysis of GW190521 with Phenomenological Waveform Models. <i>Astrophysical Journal</i> , 2022, 924, 79.	1.6	35
3	Conservative and radiative dynamics in classical relativistic scattering and bound systems. <i>Physical Review Research</i> , 2022, 4, .	1.3	34
4	Effective-one-body multipolar waveforms for eccentric binary black holes with nonprecessing spins. <i>Physical Review D</i> , 2022, 105, .	1.6	37
5	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. <i>Progress of Theoretical and Experimental Physics</i> , 2022, 2022, .	1.8	20
6	A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. <i>Astrophysical Journal</i> , 2021, 909, 218.	1.6	144
7	Diving below the Spin-down Limit: Constraints on Gravitational Waves from the Energetic Young Pulsar PSR J0537-6910. <i>Astrophysical Journal Letters</i> , 2021, 913, L27.	3.0	32
8	Population Properties of Compact Objects from the Second LIGO–Virgo Gravitational-Wave Transient Catalog. <i>Astrophysical Journal Letters</i> , 2021, 913, L7.	3.0	514
9	Observation of Gravitational Waves from Two Neutron Star–Black Hole Coalescences. <i>Astrophysical Journal Letters</i> , 2021, 915, L5.	3.0	453
10	Constraints on Cosmic Strings Using Data from the Third Advanced LIGO–Virgo Observing Run. <i>Physical Review Letters</i> , 2021, 126, 241102.	2.9	87
11	Constraints on quasinormal-mode frequencies with LIGO-Virgo binary–black-hole observations. <i>Physical Review D</i> , 2021, 103, .	1.6	43
12	GWTC-2: Compact Binary Coalescences Observed by LIGO and Virgo during the First Half of the Third Observing Run. <i>Physical Review X</i> , 2021, 11, .	2.8	1,097
13	Search for Gravitational Waves Associated with Gamma-Ray Bursts Detected by Fermi and Swift during the LIGO–Virgo Run O3a. <i>Astrophysical Journal</i> , 2021, 915, 86.	1.6	20
14	Radiation-reaction force and multipolar waveforms for eccentric, spin-aligned binaries in the effective-one-body formalism. <i>Physical Review D</i> , 2021, 104, .	1.6	30
15	Searches for Continuous Gravitational Waves from Young Supernova Remnants in the Early Third Observing Run of Advanced LIGO and Virgo. <i>Astrophysical Journal</i> , 2021, 921, 80.	1.6	39
16	Constraints from LIGO O3 Data on Gravitational-wave Emission Due to R-modes in the Glitching Pulsar PSR J0537–6910. <i>Astrophysical Journal</i> , 2021, 922, 71.	1.6	29
17	Real-Time Gravitational Wave Science with Neural Posterior Estimation. <i>Physical Review Letters</i> , 2021, 127, 241103.	2.9	61
18	Fast post-adiabatic waveforms in the time domain: Applications to compact binary coalescences in LIGO and Virgo. <i>Physical Review D</i> , 2021, 104, .	1.6	10

#	ARTICLE	IF	CITATIONS
19	Search for Lensing Signatures in the Gravitational-Wave Observations from the First Half of LIGO–Virgo’s Third Observing Run. <i>Astrophysical Journal</i> , 2021, 923, 14.	1.6	59
20	Aligned-spin neutron-star–black-hole waveform model based on the effective-one-body approach and numerical-relativity simulations. <i>Physical Review D</i> , 2020, 102, .	1.6	51
21	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2020, 23, 3.	8.2	447
22	A Joint Fermi-GBM and LIGO/Virgo Analysis of Compact Binary Mergers from the First and Second Gravitational-wave Observing Runs. <i>Astrophysical Journal</i> , 2020, 893, 100.	1.6	12
23	Quasicircular inspirals and plunges from nonspinning effective-one-body Hamiltonians with gravitational self-force information. <i>Physical Review D</i> , 2020, 101, .	1.6	34
24	Fourth post-Newtonian effective-one-body Hamiltonians with generic spins. <i>Physical Review D</i> , 2020, 101, .	1.6	16
25	GW190521: A Binary Black Hole Merger with a Total Mass of $150 M_{\odot}$ . <i>Physical Review Letters</i> , 2020, 125, 101102.	1.6	106
26	GW190412: Observation of a binary-black-hole coalescence with asymmetric masses. <i>Physical Review D</i> , 2020, 102, .	1.6	394
27	Gravitational-wave constraints on an effective-field-theory extension of general relativity. <i>Physical Review D</i> , 2020, 102, .	1.6	39
28	Multipolar effective-one-body waveforms for precessing binary black holes: Construction and validation. <i>Physical Review D</i> , 2020, 102, .	1.6	182
29	Prospects for fundamental physics with LISA. <i>General Relativity and Gravitation</i> , 2020, 52, 1.	0.7	198
30	GW190814: Gravitational Waves from the Coalescence of a 23 Solar Mass Black Hole with a 2.6 Solar Mass Compact Object. <i>Astrophysical Journal Letters</i> , 2020, 896, L44.	3.0	1,090
31	GW190425: Observation of a Compact Binary Coalescence with Total Mass $\sim 3.4 M_{\odot}$ . <i>Astrophysical Journal Letters</i> , 2020, 892, L3.	3.0	1,049
32	Properties and Astrophysical Implications of the $150 M_{\odot}$ Binary Black Hole Merger GW190521. <i>Astrophysical Journal Letters</i> , 2020, 900, L13.	3.0	406
33	Gravitational-wave Constraints on the Equatorial Ellipticity of Millisecond Pulsars. <i>Astrophysical Journal Letters</i> , 2020, 902, L21.	3.0	65
34	Spinning-black-hole scattering and the test-black-hole limit at second post-Minkowskian order. <i>Physical Review D</i> , 2019, 99, .	1.6	91
35	Searches for Gravitational Waves from Known Pulsars at Two Harmonics in 2015–2017 LIGO Data. <i>Astrophysical Journal</i> , 2019, 879, 10.	1.6	88
36	Tests of General Relativity with GW170817. <i>Physical Review Letters</i> , 2019, 123, 011102.	2.9	370

#	ARTICLE	IF	CITATIONS
37	Search for Eccentric Binary Black Hole Mergers with Advanced LIGO and Advanced Virgo during Their First and Second Observing Runs. <i>Astrophysical Journal</i> , 2019, 883, 149.	1.6	72
38	Search for intermediate mass black hole binaries in the first and second observing runs of the Advanced LIGO and Virgo network. <i>Physical Review D</i> , 2019, 100, .	1.6	52
39	Search for Substellar Mass Ultracompact Binaries in Advanced LIGO's Second Observing Run. <i>Physical Review Letters</i> , 2019, 123, 161102.	2.9	119
40	Binary Black Hole Population Properties Inferred from the First and Second Observing Runs of Advanced LIGO and Advanced Virgo. <i>Astrophysical Journal Letters</i> , 2019, 882, L24.	3.0	566
41	GWTC-1: A Gravitational-Wave Transient Catalog of Compact Binary Mergers Observed by LIGO and Virgo during the First and Second Observing Runs. <i>Physical Review X</i> , 2019, 9, .	2.8	2,022
42	Energetics of two-body Hamiltonians in post-Minkowskian gravity. <i>Physical Review D</i> , 2019, 99, .	1.6	107
43	A Fermi Gamma-Ray Burst Monitor Search for Electromagnetic Signals Coincident with Gravitational-wave Candidates in Advanced LIGO's First Observing Run. <i>Astrophysical Journal</i> , 2019, 871, 90.	1.6	30
44	Searches for Continuous Gravitational Waves from 15 Supernova Remnants and Fomalhaut b with Advanced LIGO. <i>Astrophysical Journal</i> , 2019, 875, 122.	1.6	61
45	Search for Gravitational Waves from a Long-lived Remnant of the Binary Neutron Star Merger GW170817. <i>Astrophysical Journal</i> , 2019, 875, 160.	1.6	97
46	First Measurement of the Hubble Constant from a Dark Standard Siren using the Dark Energy Survey Galaxies and the LIGO/Virgo Binary Black-hole Merger GW170814. <i>Astrophysical Journal Letters</i> , 2019, 876, L7.	3.0	179
47	Low-latency Gravitational-wave Alerts for Multimessenger Astronomy during the Second Advanced LIGO and Virgo Observing Run. <i>Astrophysical Journal</i> , 2019, 875, 161.	1.6	71
48	Gravitational waveforms for high spin and high mass-ratio binary black holes: A synergistic use of numerical-relativity codes. <i>Physical Review D</i> , 2019, 99, .	1.6	7
49	Search for Transient Gravitational-wave Signals Associated with Magnetar Bursts during Advanced LIGO's Second Observing Run. <i>Astrophysical Journal</i> , 2019, 874, 163.	1.6	26
50	Constraining the $p$ -Mode Tidal Instability with GW170817. <i>Physical Review Letters</i> , 2019, 122, 061104.	2.9	36
51	Gravitational waveforms from spectral Einstein code simulations: Neutron star-neutron star and low-mass black hole-neutron star binaries. <i>Physical Review D</i> , 2019, 99, .	1.6	41
52	Theory-agnostic framework for dynamical scalarization of compact binaries. <i>Physical Review D</i> , 2019, 100, .	1.6	18
53	Search for Gravitational-wave Signals Associated with Gamma-Ray Bursts during the Second Observing Run of Advanced LIGO and Advanced Virgo. <i>Astrophysical Journal</i> , 2019, 886, 75.	1.6	29
54	GW170817: Implications for the Stochastic Gravitational-Wave Background from Compact Binary Coalescences. <i>Physical Review Letters</i> , 2018, 120, 091101.	2.9	166

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55	Hairy binary black holes in Einstein-Maxwell-dilaton theory and their effective-one-body description. <i>Physical Review D</i> , 2018, 98, .	1.6	31
56	Search for Substellar-Mass Ultracompact Binaries in Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , 2018, 121, 231103.	2.9	77
57	GW170817: Measurements of Neutron Star Radii and Equation of State. <i>Physical Review Letters</i> , 2018, 121, 161101.	2.9	1,473
58	Enriching the symphony of gravitational waves from binary black holes by tuning higher harmonics. <i>Physical Review D</i> , 2018, 98, .	1.6	175
59	Black-hole spectroscopy by making full use of gravitational-wave modeling. <i>Physical Review D</i> , 2018, 98, .	1.6	85
60	Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background. <i>Physical Review Letters</i> , 2018, 120, 201102.	2.9	85
61	Effects of waveform model systematics on the interpretation of GW150914. <i>Classical and Quantum Gravity</i> , 2017, 34, 104002.	1.5	98
62	Improved effective-one-body model of spinning, nonprecessing binary black holes for the era of gravitational-wave astrophysics with advanced detectors. <i>Physical Review D</i> , 2017, 95, .	1.6	401
63	Upper Limits on the Stochastic Gravitational-Wave Background from Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , 2017, 118, 121101.	2.9	194
64	Directional Limits on Persistent Gravitational Waves from Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , 2017, 118, 121102.	2.9	84
65	First Search for Gravitational Waves from Known Pulsars with Advanced LIGO. <i>Astrophysical Journal</i> , 2017, 839, 12.	1.6	131
66	Validating the effective-one-body model of spinning, precessing binary black holes against numerical relativity. <i>Physical Review D</i> , 2017, 95, .	1.6	169
67	The basic physics of the binary black hole merger GW150914. <i>Annalen Der Physik</i> , 2017, 529, 1600209.	0.9	69
68	Upper Limits on Gravitational Waves from Scorpius X-1 from a Model-based Cross-correlation Search in Advanced LIGO Data. <i>Astrophysical Journal</i> , 2017, 847, 47.	1.6	46
69	GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. <i>Physical Review Letters</i> , 2017, 119, 161101.	2.9	6,413
70	Multi-messenger Observations of a Binary Neutron Star Merger <sup>*</sup> . <i>Astrophysical Journal Letters</i> , 2017, 848, L12.	3.0	2,805
71	Gravitational Waves and Gamma-Rays from a Binary Neutron Star Merger: GW170817 and GRB 170817A. <i>Astrophysical Journal Letters</i> , 2017, 848, L13.	3.0	2,314
72	Search for intermediate mass black hole binaries in the first observing run of Advanced LIGO. <i>Physical Review D</i> , 2017, 96, .	1.6	73

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73	Search for Gravitational Waves Associated with Gamma-Ray Bursts during the First Advanced LIGO Observing Run and Implications for the Origin of GRB 150906B. <i>Astrophysical Journal</i> , 2017, 841, 89.	1.6	52
74	Search for Post-merger Gravitational Waves from the Remnant of the Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , 2017, 851, L16.	3.0	189
75	Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated with GW170817. <i>Astrophysical Journal Letters</i> , 2017, 850, L39.	3.0	156
76	Constraining Nonperturbative Strong-Field Effects in Scalar-Tensor Gravity by Combining Pulsar Timing and Laser-Interferometer Gravitational-Wave Detectors. <i>Physical Review X</i> , 2017, 7, .	2.8	72
77	GW170104: Observation of a 50-Solar-Mass Binary Black Hole Coalescence at Redshift 0.2. <i>Physical Review Letters</i> , 2017, 118, 221101.	2.9	1,987
78	Distinguishing boson stars from black holes and neutron stars from tidal interactions in inspiraling binary systems. <i>Physical Review D</i> , 2017, 96, .	1.6	119
79	On the Progenitor of Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , 2017, 850, L40.	3.0	73
80	GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. <i>Astrophysical Journal Letters</i> , 2017, 851, L35.	3.0	968
81	THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914. <i>Astrophysical Journal Letters</i> , 2016, 833, L1.	3.0	230
82	Gravitational waveforms in scalar-tensor gravity at 2PN relative order. <i>Physical Review D</i> , 2016, 94, .	1.6	61
83	UPPER LIMITS ON THE RATES OF BINARY NEUTRON STAR AND NEUTRON STAR-BLACK HOLE MERGERS FROM ADVANCED LIGO'S FIRST OBSERVING RUN. <i>Astrophysical Journal Letters</i> , 2016, 832, L21.	3.0	146
84	Modeling dynamical scalarization with a resummed post-Newtonian expansion. <i>Physical Review D</i> , 2016, 93, .	1.6	39
85	Implementing a search for gravitational waves from binary black holes with nonprecessing spin. <i>Physical Review D</i> , 2016, 93, .	1.6	52
86	GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes. <i>Physical Review Letters</i> , 2016, 116, 131102.	2.9	269
87	GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. <i>Physical Review Letters</i> , 2016, 116, 131103.	2.9	466
88	Effects of Neutron-Star Dynamic Tides on Gravitational Waveforms within the Effective-One-Body Approach. <i>Physical Review Letters</i> , 2016, 116, 181101.	2.9	204
89	SUPPLEMENT: LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914 (2016, <i>ApJL</i> , 826, L13). <i>Astrophysical Journal</i> , Supplement Series, 2016, 225, 8.	3.0	44
90	Tests of General Relativity with GW150914. <i>Physical Review Letters</i> , 2016, 116, 221101.	2.9	1,224

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91	Properties of the Binary Black Hole Merger GW150914. <i>Physical Review Letters</i> , 2016, 116, 241102.	2.9	673
92	GW151226: Observation of Gravitational Waves from a 22-Solar-Mass Binary Black Hole Coalescence. <i>Physical Review Letters</i> , 2016, 116, 241103.	2.9	2,701
93	Dynamical tides in general relativity: Effective action and effective-one-body Hamiltonian. <i>Physical Review D</i> , 2016, 94, .	1.6	151
94	ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. <i>Astrophysical Journal Letters</i> , 2016, 818, L22.	3.0	633
95	Approaching the Post-Newtonian Regime with Numerical Relativity: A Compact-Object Binary Simulation Spanning 350 Gravitational-Wave Cycles. <i>Physical Review Letters</i> , 2015, 115, 031102.	2.9	68
96	Missing Link: Bayesian detection and measurement of intermediate-mass black-hole binaries. <i>Physical Review D</i> , 2015, 92, .	1.6	81
97	Sources of Gravitational Waves: Theory and Observations. , 2015, , 287-346.		15
98	Quasiequilibrium sequences of binary neutron stars undergoing dynamical scalarization. <i>Physical Review D</i> , 2015, 91, .	1.6	43
99	Characterization of the LIGO detectors during their sixth science run. <i>Classical and Quantum Gravity</i> , 2015, 32, 115012.	1.5	1,029
100	SEARCHES FOR CONTINUOUS GRAVITATIONAL WAVES FROM NINE YOUNG SUPERNOVA REMNANTS. <i>Astrophysical Journal</i> , 2015, 813, 39.	1.6	66
101	FIRST SEARCHES FOR OPTICAL COUNTERPARTS TO GRAVITATIONAL-WAVE CANDIDATE EVENTS. <i>Astrophysical Journal, Supplement Series</i> , 2014, 211, 7.	3.0	57
102	Stability of nonspinning effective-one-body model in approximating two-body dynamics and gravitational-wave emission. <i>Physical Review D</i> , 2014, 89, .	1.6	27
103	Effective-one-body model for black-hole binaries with generic mass ratios and spins. <i>Physical Review D</i> , 2014, 89, .	1.6	360
104	Constraints on Cosmic Strings from the LIGO-Virgo Gravitational-Wave Detectors. <i>Physical Review Letters</i> , 2014, 112, 131101.	2.9	68
105	Improved Upper Limits on the Stochastic Gravitational-Wave Background from 2009â€“2010 LIGO and Virgo Data. <i>Physical Review Letters</i> , 2014, 113, 231101.	2.9	86
106	Inspiral-merger-ringdown waveforms of spinning, precessing black-hole binaries in the effective-one-body formalism. <i>Physical Review D</i> , 2014, 89, .	1.6	265
107	Coalescence of binary neutron stars in a scalar-tensor theory of gravity. <i>Physical Review D</i> , 2014, 89, .	1.6	136
108	THE FORMATION AND GRAVITATIONAL-WAVE DETECTION OF MASSIVE STELLAR BLACK HOLE BINARIES. <i>Astrophysical Journal</i> , 2014, 789, 120.	1.6	98



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109	Small mass plunging into a Kerr black hole: Anatomy of the inspiral-merger-ringdown waveforms. <i>Physical Review D</i> , 2014, 90, .	1.6	52
110	Implementation of an $F$ -statistic all-sky search for continuous gravitational waves in Virgo VSR1 data. <i>Classical and Quantum Gravity</i> , 2014, 31, 165014.	1.5	34
111	GRAVITATIONAL WAVES FROM KNOWN PULSARS: RESULTS FROM THE INITIAL DETECTOR ERA. <i>Astrophysical Journal</i> , 2014, 785, 119.	1.6	125
112	The NINJA-2 project: detecting and characterizing gravitational waveforms modelled using numerical binary black hole simulations. <i>Classical and Quantum Gravity</i> , 2014, 31, 115004.	1.5	42
113	Periastron advance in spinning black hole binaries: comparing effective-one-body and numerical relativity. <i>Physical Review D</i> , 2013, 88, .	1.6	50
114	Enhanced sensitivity of the LIGO gravitational wave detector by using squeezed states of light. <i>Nature Photonics</i> , 2013, 7, 613-619.	15.6	825
115	Spin effects on gravitational waves from inspiraling compact binaries at second post-Newtonian order. <i>Physical Review D</i> , 2013, 87, .	1.6	75
116	First law of mechanics for black hole binaries with spins. <i>Physical Review D</i> , 2013, 87, .	1.6	47
117	Modeling the horizon-absorbed gravitational flux for equatorial-circular orbits in Kerr spacetime. <i>Physical Review D</i> , 2013, 88, .	1.6	42
118	Periastron advance in spinning black hole binaries: Gravitational self-force from numerical relativity. <i>Physical Review D</i> , 2013, 88, .	1.6	54
119	Systematic biases in parameter estimation of binary black-hole mergers. <i>Physical Review D</i> , 2013, 87, .	1.6	54
120	SWIFT FOLLOW-UP OBSERVATIONS OF CANDIDATE GRAVITATIONAL-WAVE TRANSIENT EVENTS. <i>Astrophysical Journal, Supplement Series</i> , 2012, 203, 28.	3.0	62
121	The characterization of Virgo data and its impact on gravitational-wave searches. <i>Classical and Quantum Gravity</i> , 2012, 29, 155002.	1.5	73
122	Modeling multipolar gravitational-wave emission from small mass-ratio mergers. <i>Physical Review D</i> , 2012, 85, .	1.6	63
123	Prototype effective-one-body model for nonprecessing spinning inspiral-merger-ringdown waveforms. <i>Physical Review D</i> , 2012, 86, .	1.6	192
124	SEARCH FOR GRAVITATIONAL WAVES ASSOCIATED WITH GAMMA-RAY BURSTS DURING LIGO SCIENCE RUN 6 AND VIRGO SCIENCE RUNS 2 AND 3. <i>Astrophysical Journal</i> , 2012, 760, 12.	1.6	104
125	IMPLICATIONS FOR THE ORIGIN OF GRB 051103 FROM LIGO OBSERVATIONS. <i>Astrophysical Journal</i> , 2012, 755, 2.	1.6	60
126	Complete nonspinning effective-one-body metric at linear order in the mass ratio. <i>Physical Review D</i> , 2012, 85, .	1.6	108



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127	Gravitational Self-Force Correction to the Binding Energy of Compact Binary Systems. <i>Physical Review Letters</i> , 2012, 108, 131103.	2.9	107
128	Reducing orbital eccentricity of precessing black-hole binaries. <i>Physical Review D</i> , 2011, 83, .	1.6	82
129	Extreme mass-ratio inspirals in the effective-one-body approach: Quasicircular, equatorial orbits around a spinning black hole. <i>Physical Review D</i> , 2011, 83, .	1.6	75
130	Inspiral-merger-ringdown multipolar waveforms of nonspinning black-hole binaries using the effective-one-body formalism. <i>Physical Review D</i> , 2011, 84, .	1.6	209
131	Tail-induced spin-orbit effect in the gravitational radiation of compact binaries. <i>Physical Review D</i> , 2011, 84, .	1.6	70
132	Periastron Advance in Black-Hole Binaries. <i>Physical Review Letters</i> , 2011, 107, 141101.	2.9	110
133	SEARCH FOR GRAVITATIONAL WAVE BURSTS FROM SIX MAGNETARS. <i>Astrophysical Journal Letters</i> , 2011, 734, L35.	3.0	55
134	BEATING THE SPIN-DOWN LIMIT ON GRAVITATIONAL WAVE EMISSION FROM THE VELA PULSAR. <i>Astrophysical Journal</i> , 2011, 737, 93.	1.6	89
135	Post-Newtonian factorized multipolar waveforms for spinning, nonprecessing black-hole binaries. <i>Physical Review D</i> , 2011, 83, .	1.6	108
136	Directional Limits on Persistent Gravitational Waves Using LIGO S5 Science Data. <i>Physical Review Letters</i> , 2011, 107, 271102.	2.9	94
137	SEARCH FOR GRAVITATIONAL-WAVE BURSTS ASSOCIATED WITH GAMMA-RAY BURSTS USING DATA FROM LIGO SCIENCE RUN 5 AND VIRGO SCIENCE RUN 1. <i>Astrophysical Journal</i> , 2010, 715, 1438-1452.	1.6	60
138	FIRST SEARCH FOR GRAVITATIONAL WAVES FROM THE YOUNGEST KNOWN NEUTRON STAR. <i>Astrophysical Journal</i> , 2010, 722, 1504-1513.	1.6	104
139	SEARCHES FOR GRAVITATIONAL WAVES FROM KNOWN PULSARS WITH SCIENCE RUN 5 LIGO DATA. <i>Astrophysical Journal</i> , 2010, 713, 671-685.	1.6	155
140	Effective-one-body waveforms calibrated to numerical relativity simulations: Coalescence of nonprecessing, spinning, equal-mass black holes. <i>Physical Review D</i> , 2010, 81, .	1.6	123
141	Predictions for the rates of compact binary coalescences observable by ground-based gravitational-wave detectors. <i>Classical and Quantum Gravity</i> , 2010, 27, 173001.	1.5	956
142	SEARCH FOR GRAVITATIONAL-WAVE INSPIRAL SIGNALS ASSOCIATED WITH SHORT GAMMA-RAY BURSTS DURING LIGO'S FIFTH AND VIRGO'S FIRST SCIENCE RUN. <i>Astrophysical Journal</i> , 2010, 715, 1453-1461.	1.6	90
143	All-Sky LIGO Search for Periodic Gravitational Waves in the Early Fifth-Science-Run Data. <i>Physical Review Letters</i> , 2009, 102, 111102.	2.9	83
144	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

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145	Status of NINJA: the Numerical INjection Analysis project. <i>Classical and Quantum Gravity</i> , 2009, 26, 114008.	1.5	39
146	An upper limit on the stochastic gravitational-wave background of cosmological origin. <i>Nature</i> , 2009, 460, 990-994.	13.7	303
147	Higher-order spin effects in the amplitude and phase of gravitational waveforms emitted by inspiraling compact binaries: Ready-to-use gravitational waveforms. <i>Physical Review D</i> , 2009, 79, .	1.6	264
148	Effective-one-body waveforms calibrated to numerical relativity simulations: Coalescence of nonspinning, equal-mass black holes. <i>Physical Review D</i> , 2009, 79, .	1.6	149
149	Recoil velocity at second post-Newtonian order for spinning black hole binaries. <i>Physical Review D</i> , 2009, 80, .	1.6	63
150	Comparison of post-Newtonian templates for compact binary inspiral signals in gravitational-wave detectors. <i>Physical Review D</i> , 2009, 80, .	1.6	450
151	STACKED SEARCH FOR GRAVITATIONAL WAVES FROM THE 2006 SGR 1900+14 STORM. <i>Astrophysical Journal</i> , 2009, 701, L68-L74.	1.6	45
152	Data-analysis driven comparison of analytic and numerical coalescing binary waveforms: Nonspinning case. <i>Physical Review D</i> , 2008, 77, .	1.6	120
153	High-accuracy numerical simulation of black-hole binaries: Computation of the gravitational-wave energy flux and comparisons with post-Newtonian approximants. <i>Physical Review D</i> , 2008, 78, .	1.6	115
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