Alberto Vecchio

List of Publications by Year
in descending order

309 papers	63,280 citations	2669 95 h-index	764 249 g-index
315 all docs	315 docs citations	315 times ranked	18220 citing authors

#	Article	IF	Citations
1	The International Pulsar Timing Array second data release: Search for an isotropic gravitational wave background. Monthly Notices of the Royal Astronomical Society, 2022, 510, 4873-4887.	1.6	174
2	Constraints on compact binary merger evolution from spin-orbit misalignment in gravitational-wave observations. Monthly Notices of the Royal Astronomical Society, 2022, 511, 1454-1461.	1.6	18
3	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	1.8	20
4	Common-red-signal analysis with 24-yr high-precision timing of the European Pulsar Timing Array: inferences in the stochastic gravitational-wave background search. Monthly Notices of the Royal Astronomical Society, 2021, 508, 4970-4993.	1.6	184
5	Massive black hole binary systems and the NANOGrav 12.5 yr results. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 502, L99-L103.	1.2	58
6	A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. Astrophysical Journal, 2021, 909, 218.	1.6	144
7	An interactive gravitational-wave detector model for museums and fairs. American Journal of Physics, 2021, 89, 702-712.	0.3	1
8	High Mass but Low Spin: An Exclusion Region to Rule Out Hierarchical Black Hole Mergers as a Mechanism to Populate the Pair-instability Mass Gap. Astrophysical Journal, 2021, 915, 56.	1.6	17
9	Bayesian parameter estimation of stellar-mass black-hole binaries with LISA. Physical Review D, 2021, 104, .	1.6	21
10	Ultra-low-frequency gravitational waves from cosmological and astrophysical processes. Nature Astronomy, 2021, 5, 1268-1274.	4.2	24
11	Noise analysis in the European Pulsar Timing Array data release 2 and its implications on the gravitational-wave background search. Monthly Notices of the Royal Astronomical Society, 2021, 509, 5538-5558.	1.6	28
12	Assessing gravitational-wave binary black hole candidates with Bayesian odds. Physical Review D, 2021, 104, .	1.6	8
13	Linking gravitational waves and X-ray phenomena with joint LISA and Athena observations. Nature Astronomy, 2020, 4, 26-31.	4.2	31
14	Constraining the Lensing of Binary Black Holes from Their Stochastic Background. Physical Review Letters, 2020, 125, 141102.	2.9	23
15	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2020, 23, 3.	8.2	447
16	Constraining the lensing of binary neutron stars from their stochastic background. Physical Review D, 2020, 102, .	1.6	6
17	Populations of double white dwarfs in Milky Way satellites and their detectability with LISA. Astronomy and Astrophysics, 2020, 638, A153.	2.1	42
18	No tension between pulsar timing array upper limits on the nano-Hertz gravitational wave background and assembly models of massive black hole binaries. Journal of Physics: Conference Series, 2020, 1468, 012214.	0.3	0

#	Article	IF	Citations
19	Gravitational-wave selection effects using neural-network classifiers. Physical Review D, 2020, 102, .	1.6	19
20	Milky Way Satellites Shining Bright in Gravitational Waves. Astrophysical Journal Letters, 2020, 894, L15.	3.0	25
21	The International Pulsar Timing Array: second data release. Monthly Notices of the Royal Astronomical Society, 2019, 490, 4666-4687.	1.6	191
22	Exploring the sensitivity of gravitational wave detectors to neutron star physics. Physical Review D, 2019, 99, .	1.6	78
23	Improving astrophysical parameter estimation via offline noise subtraction for Advanced LIGO. Physical Review D, 2019, 99, .	1.6	77
24	Effects of data quality vetoes on a search for compact binary coalescences in Advanced LIGOâ€™s first observing run. Classical and Quantum Gravity, 2018, 35, 065010.	1.5	94
25	GW170817: Implications for the Stochastic Gravitational-Wave Background from Compact Binary Coalescences. Physical Review Letters, 2018, 120, 091101.	2.9	166
26	All-sky search for long-duration gravitational wave transients in the first Advanced LIGO observing run. Classical and Quantum Gravity, 2018, 35, 065009.	1.5	18
27	No tension between assembly models of super massive black hole binaries and pulsar observations. Nature Communications, 2018, 9, 573.	5.8	24
28	The astrophysical science case for a decihertz gravitational-wave detector. Classical and Quantum Gravity, 2018, 35, 054004.	1.5	38
29	First Search for Nontensorial Gravitational Waves from Known Pulsars. Physical Review Letters, 2018, 120, 031104.	2.9	68
30	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2018, 21, 3.	8.2	808
31	Identification and mitigation of narrow spectral artifacts that degrade searches for persistent gravitational waves in the first two observing runs of Advanced LIGO. Physical Review D, 2018, 97, .	1.6	104
32	Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background. Physical Review Letters, 2018, 120, 201102.	2.9	85
33	Publisherâ€™s Note: Sensitivity of the Advanced LIGO detectors at the beginning of gravitational wave astronomy [Phys. Rev. D 93 , 112004 (2016)]. Physical Review D, 2018, 97, .	1.6	22
34	Constraints on cosmic strings using data from the first Advanced LIGO observing run. Physical Review D, 2018, 97, .	1.6	88
35	Null-stream analysis of Pulsar Timing Array data: localization of resolvable gravitational wave sources. Monthly Notices of the Royal Astronomical Society, 2018, 477, 5447-5459.	1.6	8
36	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. , 2018, 21, 1.		2

#	Article	IF	Citations
37	Exploring the sensitivity of next generation gravitational wave detectors. Classical and Quantum Gravity, 2017, 34, 044001.	1.5	735
38	All-sky search for short gravitational-wave bursts in the first Advanced LIGO run. Physical Review D, 2017, 95, .	1.6	69
39	Effects of waveform model systematics on the interpretation of GW150914. Classical and Quantum Gravity, 2017, 34, 104002.	1.5	98
40	Calibration of the Advanced LIGO detectors for the discovery of the binary black-hole merger GW150914. Physical Review D, 2017, 95, .	1.6	72
41	Upper Limits on the Stochastic Gravitational-Wave Background from Advanced LIGOâ€™s First Observing Run. Physical Review Letters, 2017, 118, 121101.	2.9	194
42	Directional Limits on Persistent Gravitational Waves from Advanced LIGOâ€™s First Observing Run. Physical Review Letters, 2017, 118, 121102.	2.9	84
43	First Search for Gravitational Waves from Known Pulsars with Advanced LIGO. Astrophysical Journal, 2017, 839, 12.	1.6	131
44	The basic physics of the binary black hole merger GW150914. Annalen Der Physik, 2017, 529, 1600209.	0.9	69
45	GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence. Physical Review Letters, 2017, 119, 141101.	2.9	1,600
46	Upper Limits on Gravitational Waves from Scorpius X-1 from a Model-based Cross-correlation Search in Advanced LIGO Data. Astrophysical Journal, 2017, 847, 47.	1.6	46
47	A gravitational-wave standard siren measurement of the Hubble constant. Nature, 2017, 551, 85-88.	13.7	674
48	GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. Physical Review Letters, 2017, 119, 161101.	2.9	6,413
49	Multi-messenger Observations of a Binary Neutron Star Merger[*]. Astrophysical Journal Letters, 2017, 848, L12.	3.0	2,805
50	Gravitational Waves and Gamma-Rays from a Binary Neutron Star Merger: GW170817 and GRB 170817A. Astrophysical Journal Letters, 2017, 848, L13.	3.0	2,314
51	Distinguishing spin-aligned and isotropic black hole populations with gravitational waves. Nature, 2017, 548, 426-429.	13.7	208
52	Search for intermediate mass black hole binaries in the first observing run of Advanced LIGO. Physical Review D, 2017, 96, .	1.6	73
53	Quantum correlation measurements in interferometric gravitational-wave detectors. Physical Review A, 2017, 95, .	1.0	16
54	All-sky search for periodic gravitational waves in the O1 LIGO data. Physical Review D, 2017, 96, .	1.6	64

#	Article	IF	Citations
55	Search for Gravitational Waves Associated with Gamma-Ray Bursts during the First Advanced LIGO Observing Run and Implications for the Origin of GRB 150906B. Astrophysical Journal, 2017, 841, 89.	1.6	52
56	Search for high-energy neutrinos from gravitational wave event GW151226 and candidate LVT151012 with ANTARES and IceCube. Physical Review D, 2017, 96, .	1.6	40
57	First Demonstration of Electrostatic Damping of Parametric Instability at Advanced LIGO. Physical Review Letters, 2017, 118, 151102.	2.9	24
58	Search for Post-merger Gravitational Waves from the Remnant of the Binary Neutron Star Merger GW170817. Astrophysical Journal Letters, 2017, 851, L16.	3.0	189
59	Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated withÂGW170817. Astrophysical Journal Letters, 2017, 850, L39.	3.0	156
60	Effects of transients in LIGO suspensions on searches for gravitational waves. Review of Scientific Instruments, 2017, 88, 124501.	0.6	6
61	Search for High-energy Neutrinos from Binary Neutron Star Merger GW170817 with ANTARES, IceCube, and the Pierre Auger Observatory. Astrophysical Journal Letters, 2017, 850, L35.	3.0	135
62	All correlations must die: Assessing the significance of a stochastic gravitational-wave background in pulsar timing arrays. Physical Review D, 2017, 95, .	1.6	45
63	GW170104: Observation of a 50-Solar-Mass Binary Black Hole Coalescence at Redshift 0.2. Physical Review Letters, 2017, 118, 221101.	2.9	1,987
64	Search for continuous gravitational waves from neutron stars in globular cluster NGC 6544. Physical Review D, 2017, 95, .	1.6	19
65	Search for gravitational waves from Scorpius X-1 in the first Advanced LIGO observing run with a hidden Markov model. Physical Review D, 2017, 95, .	1.6	59
66	Probing the assembly history and dynamical evolution of massive black hole binaries with pulsar timing arrays. Monthly Notices of the Royal Astronomical Society, 2017, 468, 404-417.	1.6	23
67	First narrow-band search for continuous gravitational waves from known pulsars in advanced detector data. Physical Review D, 2017, 96, .	1.6	47
68	First low-frequency Einstein@Home all-sky search for continuous gravitational waves in Advanced LIGO data. Physical Review D, 2017, 96, .	1.6	60
69	On the Progenitor of Binary Neutron Star Merger GW170817. Astrophysical Journal Letters, 2017, 850, L40.	3.0	73
70	GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. Astrophysical Journal Letters, 2017, 851, L35.	3.0	968
71	Strong-lensing of Gravitational Waves by Galaxy Clusters. Proceedings of the International Astronomical Union, 2017, 13, 98-102.	0.0	19
72	PARAMETER ESTIMATION ON GRAVITATIONAL WAVES FROM NEUTRON-STAR BINARIES WITH SPINNING COMPONENTS. Astrophysical Journal, 2016, 825, 116.	1.6	68

#	Article	IF	Citations
73	Early Advanced LIGO binary neutron-star sky localization and parameter estimation. Journal of Physics: Conference Series, 2016, 716, 012031.	0.3	5
74	On tests of general relativity with binary radio pulsars. Monthly Notices of the Royal Astronomical Society: Letters, 2016, 462, L21-L25.	1.2	7
75	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. Classical and Quantum Gravity, 2016, 33, 134001.	1.5	225
76	SUPPLEMENT: â€œTHE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914â€•(2016, ApJL, 833, L1). Astrophysical Journal, Supplement Series, 2016, 227, 14.	3.0	63
77	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. Living Reviews in Relativity, 2016, 19, 1.	8.2	427
78	Improved Analysis of GW150914 Using a Fully Spin-Precessing Waveform Model. Physical Review X, 2016, 6, .	2.8	106
79	Results of the deepest all-sky survey for continuous gravitational waves on LIGO S6 data running on the Einstein@Home volunteer distributed computing project. Physical Review D, 2016, 94, .	1.6	31
80	THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914. Astrophysical Journal Letters, 2016, 833, L1.	3.0	230
81	High-precision timing of 42 millisecond pulsars with the European Pulsar Timing Array. Monthly Notices of the Royal Astronomical Society, 2016, 458, 3341-3380.	1.6	351
82	The International Pulsar Timing Array: First data release. Monthly Notices of the Royal Astronomical Society, 2016, 458, 1267-1288.	1.6	332
83	LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. Astrophysical Journal Letters, 2016, 826, L13.	3.0	210
84	Comprehensive all-sky search for periodic gravitational waves in the sixth science run LIGO data. Physical Review D, 2016, 94, .	1.6	35
85	First targeted search for gravitational-wave bursts from core-collapse supernovae in data of first-generation laser interferometer detectors. Physical Review D, 2016, 94, .	1.6	60
86	UPPER LIMITS ON THE RATES OF BINARY NEUTRON STAR AND NEUTRON STARâ€“BLACK HOLE MERGERS FROM ADVANCED LIGOâ€™S FIRST OBSERVING RUN. Astrophysical Journal Letters, 2016, 832, L21.	3.0	146
87	Directly comparing GW150914 with numerical solutions of Einsteinâ€™s equations for binary black hole coalescence. Physical Review D, 2016, 94, .	1.6	102
88	All-sky search for long-duration gravitational wave transients with initial LIGO. Physical Review D, 2016, 93, .	1.6	29
89	Search of the Orion spur for continuous gravitational waves using a loosely coherent algorithm on data from LIGO interferometers. Physical Review D, 2016, 93, .	1.6	17
90	First low frequency all-sky search for continuous gravitational wave signals. Physical Review D, 2016, 93, .	1.6	32

#	Article	IF	Citations
91	Sensitivity of the Advanced LIGO detectors at the beginning of gravitational wave astronomy. Physical Review D, 2016, 93, .	1.6	286
92	GW150914: First results from the search for binary black hole coalescence with Advanced LIGO. Physical Review D, 2016, 93, .	1.6	315
93	Search for transient gravitational waves in coincidence with short-duration radio transients during 2007â€“2013. Physical Review D, 2016, 93, .	1.6	14
94	High-energy neutrino follow-up search of gravitational wave event GW150914 with ANTARES and IceCube. Physical Review D, 2016, 93, .	1.6	92
95	GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes. Physical Review Letters, 2016, 116, 131102.	2.9	269
96	GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. Physical Review Letters, 2016, 116, 131103.	2.9	466
97	SUPPLEMENT: â€œLOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914â€•(2016, ApJL, 826, L13). Astrophysical Journal, Supplement Series, 2016, 225, 8.	3.0	44
98	Observing gravitational-wave transient GW150914 with minimal assumptions. Physical Review D, 2016, 93, .	1.6	119
99	Tests of General Relativity with GW150914. Physical Review Letters, 2016, 116, 221101.	2.9	1,224
100	Properties of the Binary Black Hole Merger GW150914. Physical Review Letters, 2016, 116, 241102.	2.9	673
101	GW151226: Observation of Gravitational Waves from a 22-Solar-Mass Binary Black Hole Coalescence. Physical Review Letters, 2016, 116, 241103.	2.9	2,701
102	Binary Black Hole Mergers in the First Advanced LIGO Observing Run. Physical Review X, 2016, 6, .	2.8	898
103	From spin noise to systematics: stochastic processes in the first International Pulsar Timing Array data release. Monthly Notices of the Royal Astronomical Society, 2016, 458, 2161-2187.	1.6	82
104	ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. Astrophysical Journal Letters, 2016, 818, L22.	3.0	633
105	Observation of Gravitational Waves from a Binary Black Hole Merger. Physical Review Letters, 2016, 116, 061102.	2.9	8,753
106	The noise properties of 42 millisecond pulsars from the European Pulsar Timing Array and their impact on gravitational-wave searches. Monthly Notices of the Royal Astronomical Society, 2016, 457, 4421-4440.	1.6	48
107	European Pulsar Timing Array limits on continuous gravitational waves from individual supermassive black hole binaries. Monthly Notices of the Royal Astronomical Society, 2016, 455, 1665-1679.	1.6	149
108	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. , 2016, 19, 1.		1

#	Article	IF	Citations
109	PARAMETER ESTIMATION FOR BINARY NEUTRON-STAR COALESCENCES WITH REALISTIC NOISE DURING THE ADVANCED LIGO ERA. Astrophysical Journal, 2015, 804, 114.	1.6	117
110	Narrow-band search of continuous gravitational-wave signals from Crab and Vela pulsars in Virgo VSR4 data. Physical Review D, 2015, 91, .	1.6	37
111	Searching for stochastic gravitational waves using data from the two colocated LIGO Hanford detectors. Physical Review D, 2015, 91, .	1.6	39
112	Parameter estimation for compact binaries with ground-based gravitational-wave observations using the LALInference software library. Physical Review D, 2015, 91, .	1.6	674
113	Directed search for gravitational waves from Scorpius X-1 with initial LIGO data. Physical Review D, 2015, 91, .	1.6	47
114	Limits on Anisotropy in the Nanohertz Stochastic Gravitational Wave Background. Physical Review Letters, 2015, 115, 041101.	2.9	47
115	Characterization of the LIGO detectors during their sixth science run. Classical and Quantum Gravity, 2015, 32, 115012.	1.5	1,029
116	Advanced LIGO. Classical and Quantum Gravity, 2015, 32, 074001.	1.5	1,929
117	European Pulsar Timing Array limits on an isotropic stochastic gravitational-wave background. Monthly Notices of the Royal Astronomical Society, 2015, 453, 2577-2599.	1.6	380
118	SEARCHES FOR CONTINUOUS GRAVITATIONAL WAVES FROM NINE YOUNG SUPERNOVA REMNANTS. Astrophysical Journal, 2015, 813, 39.	1.6	66
119	Astrophysical constraints on massive black hole binary evolution from pulsar timing arrays. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 455, L72-L76.	1.2	23
120	FIRST SEARCHES FOR OPTICAL COUNTERPARTS TO GRAVITATIONAL-WAVE CANDIDATE EVENTS. Astrophysical Journal, Supplement Series, 2014, 211, 7.	3.0	57
121	First all-sky search for continuous gravitational waves from unknown sources in binary systems. Physical Review D, 2014, 90, .	1.6	60
122	Rapidly evaluating the compact-binary likelihood function via interpolation. Physical Review D, 2014, 90, .	1.6	8
123	Constraints on Cosmic Strings from the LIGO-Virgo Gravitational-Wave Detectors. Physical Review Letters, 2014, 112, 131101.	2.9	68
124	Improved Upper Limits on the Stochastic Gravitational-Wave Background from 2009â€“2010 LIGO and Virgo Data. Physical Review Letters, 2014, 113, 231101.	2.9	86
125	Comparison of gravitational wave detector network sky localization approximations. Physical Review D, 2014, 89, .	1.6	51
126	Reconstructing the sky location of gravitational-wave detected compact binary systems: Methodology for testing and comparison. Physical Review D, 2014, 89, .	1.6	50

#	Article	IF	Citations
127	Multimessenger search for sources of gravitational waves and high-energy neutrinos: Initial results for LIGO-Virgo and IceCube. Physical Review D, 2014, 90, .	1.6	29
128	THE FIRST TWO YEARS OF ELECTROMAGNETIC FOLLOW-UP WITH ADVANCED LIGO AND VIRGO. Astrophysical Journal, 2014, 795, 105.	1.6	159
129	Testing general relativity with compact coalescing binaries: comparing exact and predictive methods to compute the Bayes factor. Classical and Quantum Gravity, 2014, 31, 205006.	1.5	16
130	Implementation of an $mathcal{F}$-statistic all-sky search for continuous gravitational waves in Virgo VSR1 data. Classical and Quantum Gravity, 2014, 31, 165014.	1.5	34
131	GRAVITATIONAL WAVES FROM KNOWN PULSARS: RESULTS FROM THE INITIAL DETECTOR ERA. Astrophysical Journal, 2014, 785, 119.	1.6	125
132	Application of a Hough search for continuous gravitational waves on data from the fifth LIGO science run. Classical and Quantum Gravity, 2014, 31, 085014.	1.5	21
133	The NINJA-2 project: detecting and characterizing gravitational waveforms modelled using numerical binary black hole simulations. Classical and Quantum Gravity, 2014, 31, 115004.	1.5	42
134	Search for gravitational wave ringdowns from perturbed intermediate mass black holes in LIGO-Virgo data from 2005â€“2010. Physical Review D, 2014, 89, .	1.6	28
135	Search for Gravitational Waves Associated with<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î³</mml:mi></mml:math>-ray Bursts Detected by the Interplanetary Network. Physical Review Letters, 2014, 113, 011102.	2.9	32
136	Search for gravitational radiation from intermediate mass black hole binaries in data from the second LIGO-Virgo joint science run. Physical Review D, 2014, 89, .	1.6	35
137	Methods and results of a search for gravitational waves associated with gamma-ray bursts using the GEO 600, LIGO, and Virgo detectors. Physical Review D, 2014, 89, .	1.6	29
138	Summary of session C1: pulsar timing arrays. General Relativity and Gravitation, 2014, 46, 1.	0.7	0
139	Search for gravitational waves from binary black hole inspiral, merger, and ringdown in LIGO-Virgo data from 2009â€“2010. Physical Review D, 2013, 87, .	1.6	92
140	Search for long-lived gravitational-wave transients coincident with long gamma-ray bursts. Physical Review D, 2013, 88, .	1.6	31
141	Enhanced sensitivity of the LIGO gravitational wave detector by using squeezed states of light. Nature Photonics, 2013, 7, 613-619.	15.6	825
142	A first search for coincident gravitational waves and high energy neutrinos using LIGO, Virgo and ANTARES data from 2007. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 008-008.	1.9	32
143	Characterizing gravitational wave stochastic background anisotropy with pulsar timing arrays. Physical Review D, 2013, 88, .	1.6	97
144	Einstein@Home all-sky search for periodic gravitational waves in LIGO S5 data. Physical Review D, 2013, 87, .	1.6	91

#	Article	IF	Citations
145	Parameter estimation for compact binary coalescence signals with the first generation gravitational-wave detector network. Physical Review D, 2013, 88, .	1.6	132
146	Directed search for continuous gravitational waves from the Galactic center. Physical Review D, 2013, 88, .	1.6	65
147	Studies of waveform requirements for intermediate mass-ratio coalescence searches with advanced gravitational-wave detectors. Physical Review D, 2013, 88, .	1.6	18
148	Sensors and actuators for the Advanced LIGO mirror suspensions. Classical and Quantum Gravity, 2012, 29, 115005.	1.5	65
149	Update on quadruple suspension design for Advanced LIGO. Classical and Quantum Gravity, 2012, 29, 235004.	1.5	123
150	SWIFT FOLLOW-UP OBSERVATIONS OF CANDIDATE GRAVITATIONAL-WAVE TRANSIENT EVENTS. Astrophysical Journal, Supplement Series, 2012, 203, 28.	3.0	62
151	The characterization of Virgo data and its impact on gravitational-wave searches. Classical and Quantum Gravity, 2012, 29, 155002.	1.5	73
152	Towards a generic test of the strong field dynamics of general relativity using compact binary coalescence. Physical Review D, 2012, 85, .	1.6	176
153	Publisherâ€™s Note: All-sky search for gravitational-wave bursts in the first joint LIGO-GEO-Virgo run [Phys. Rev. D81, 102001 (2010)]. Physical Review D, 2012, 85, .	1.6	3
154	Estimating parameters of coalescing compact binaries with proposed advanced detector networks. Physical Review D, 2012, 85, .	1.6	79
155	Towards a generic test of the strong field dynamics of general relativity using compact binary coalescence: Further investigations. Journal of Physics: Conference Series, 2012, 363, 012028.	0.3	42
156	First low-latency LIGO+Virgo search for binary inspirals and their electromagnetic counterparts. Astronomy and Astrophysics, 2012, 541, A155.	2.1	75
157	SEARCH FOR GRAVITATIONAL WAVES ASSOCIATED WITH GAMMA-RAY BURSTS DURING LIGO SCIENCE RUN 6 AND VIRGO SCIENCE RUNS 2 AND 3. Astrophysical Journal, 2012, 760, 12.	1.6	104
158	Computer-games for gravitational wave science outreach:Black Hole PongandSpace Time Quest. Journal of Physics: Conference Series, 2012, 363, 012057.	0.3	4
159	A data analysis library for gravitational wave detection. Proceedings of the International Astronomical Union, 2012, 8, 438-440.	0.0	0
160	IMPLICATIONS FOR THE ORIGIN OF GRB 051103 FROM LIGO OBSERVATIONS. Astrophysical Journal, 2012, 755, 2.	1.6	60
161	All-sky search for gravitational-wave bursts in the second joint LIGO-Virgo run. Physical Review D, 2012, 85, .	1.6	107
162	Search for gravitational waves from intermediate mass binary black holes. Physical Review D, 2012, 85, .	1.6	48

#	Article	IF	Citations
163	Upper limits on a stochastic gravitational-wave background using LIGO and Virgo interferometers at 600â€“1000ÂHz. Physical Review D, 2012, 85, .	1.6	43
164	Search for gravitational waves from low mass compact binary coalescence in LIGOâ€™s sixth science run and Virgoâ€™s science runs 2 and 3. Physical Review D, 2012, 85, .	1.6	185
165	Publisherâ€™s Note: Search for gravitational waves associated with the August 2006 timing glitch of the Vela pulsar [Phys. Rev. D83, 042001 (2011)]. Physical Review D, 2012, 85, .	1.6	2
166	All-sky search for periodic gravitational waves in the full S5 LIGO data. Physical Review D, 2012, 85, .	1.6	66
167	Publisherâ€™s Note: Search for gravitational waves from binary black hole inspiral, merger, and ringdown [Phys. Rev. D83, 122005 (2011)]. Physical Review D, 2012, 85, .	1.6	0
168	Publisherâ€™s Note: Search for gravitational waves from compact binary coalescence in LIGO and Virgo data from S5 and VSR1 [Phys. Rev. D82, 102001 (2010)]. Physical Review D, 2012, 85, .	1.6	2
169	Observing the Dynamics of Supermassive Black Hole Binaries with Pulsar Timing Arrays. Physical Review Letters, 2012, 109, 081104.	2.9	36
170	Scientific objectives of Einstein Telescope. Classical and Quantum Gravity, 2012, 29, 124013.	1.5	355
171	A cosmological view of extreme mass-ratio inspirals in nuclear star clusters. Astronomy and Astrophysics, 2012, 542, A102.	2.1	23
172	Implementation and testing of the first prompt search forÂgravitational wave transients with electromagnetic counterparts. Astronomy and Astrophysics, 2012, 539, A124.	2.1	84
173	Search for gravitational waves associated with the August 2006 timing glitch of the Vela pulsar. Physical Review D, 2011, 83, .	1.6	54
174	Search for gravitational waves from binary black hole inspiral, merger, and ringdown. Physical Review D, 2011, 83, .	1.6	85
175	Testing general relativity using Bayesian model selection: Applications to observations of gravitational waves from compact binary systems. Physical Review D, 2011, 83, .	1.6	70
176	SEARCH FOR GRAVITATIONAL WAVE BURSTS FROM SIX MAGNETARS. Astrophysical Journal Letters, 2011, 734, L35.	3.0	55
177	BEATING THE SPIN-DOWN LIMIT ON GRAVITATIONAL WAVE EMISSION FROM THE VELA PULSAR. Astrophysical Journal, 2011, 737, 93.	1.6	89
178	Sensitivity studies for third-generation gravitational wave observatories. Classical and Quantum Gravity, 2011, 28, 094013.	1.5	644
179	Publisherâ€™s Note: Search for gravitational waves associated with the August 2006 timing glitch of the Vela pulsar [Phys. Rev. D83, 042001 (2011)]. Physical Review D, 2011, 83, .	1.6	0
180	Directional Limits on Persistent Gravitational Waves Using LIGO S5 Science Data. Physical Review Letters, 2011, 107, 271102.	2.9	94

#	Article	IF	Citations
181	SEARCH FOR GRAVITATIONAL-WAVE BURSTS ASSOCIATED WITH GAMMA-RAY BURSTS USING DATA FROM LIGO SCIENCE RUN 5 AND VIRGO SCIENCE RUN 1. Astrophysical Journal, 2010, 715, 1438-1452.	1.6	60
182	GRAVITATIONAL WAVES FROM INTERMEDIATE-MASS BLACK HOLES IN YOUNG CLUSTERS. Astrophysical Journal, 2010, 719, 987-995.	1.6	16
183	FIRST SEARCH FOR GRAVITATIONAL WAVES FROM THE YOUNGEST KNOWN NEUTRON STAR. Astrophysical Journal, 2010, 722, 1504-1513.	1.6	104
184	Calibration of the LIGO gravitational wave detectors in the fifth science run. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 624, 223-240.	0.7	120
185	The third generation of gravitational wave observatories and their science reach. Classical and Quantum Gravity, 2010, 27, 084007.	1.5	287
186	SEARCHES FOR GRAVITATIONAL WAVES FROM KNOWN PULSARS WITH SCIENCE RUN 5 LIGO DATA. Astrophysical Journal, 2010, 713, 671-685.	1.6	155
187	The Einstein Telescope: a third-generation gravitational wave observatory. Classical and Quantum Gravity, 2010, 27, 194002.	1.5	1,211
188	Prospects for joint radio telescope and gravitational-wave searches for astrophysical transients. Classical and Quantum Gravity, 2010, 27, 084018.	1.5	9
189	Gravitational waves and pulsar timing: stochastic background, individual sources and parameter estimation. Classical and Quantum Gravity, 2010, 27, 084016.	1.5	48
190	The Mock LISA Data Challenges: from challenge 3 to challenge 4. Classical and Quantum Gravity, 2010, 27, 084009.	1.5	83
191	Measuring the parameters of massive black hole binary systems with pulsar timing array observations of gravitational waves. Physical Review D, 2010, 81, .	1.6	94
192	Search for gravitational waves from compact binary coalescence in LIGO and Virgo data from S5 and VSR1. Physical Review D, 2010, 82, .	1.6	111
193	Bayesian coherent analysis of in-spiral gravitational wave signals with a detector network. Physical Review D, 2010, 81, .	1.6	206
194	All-sky search for gravitational-wave bursts in the first joint LIGO-GEO-Virgo run. Physical Review D, 2010, 81, .	1.6	107
195	Predictions for the rates of compact binary coalescences observable by ground-based gravitational-wave detectors. Classical and Quantum Gravity, 2010, 27, 173001.	1.5	956
196	SEARCH FOR GRAVITATIONAL-WAVE INSPIRAL SIGNALS ASSOCIATED WITH SHORT GAMMA-RAY BURSTS DURING LIGO'S FIFTH AND VIRGO'S FIRST SCIENCE RUN. Astrophysical Journal, 2010, 715, 1453-1461.	1.6	90
197	All-Sky LIGO Search for Periodic Gravitational Waves in the Early Fifth-Science-Run Data. Physical Review Letters, 2009, 102, 111102.	2.9	83
198	Testing gravitational-wave searches with numerical relativity waveforms: results from the first Numerical INJection Analysis (NINJA) project. Classical and Quantum Gravity, 2009, 26, 165008.	1.5	110

#	Article	IF	Citations
199	Probing seed black holes using future gravitational-wave detectors. Classical and Quantum Gravity, 2009, 26, 204009.	1.5	19
200	OBSERVING GRAVITATIONAL WAVES FROM THE FIRST GENERATION OF BLACK HOLES. Astrophysical Journal, 2009, 698, L129-L132.	1.6	39
201	Status of NINJA: the Numerical INJection Analysis project. Classical and Quantum Gravity, 2009, 26, 114008.	1.5	39
202	Triple Michelson interferometer for a third-generation gravitational wave detector. Classical and Quantum Gravity, 2009, 26, 085012.	1.5	83
203	Studying stellar binary systems with the Laser Interferometer Space Antenna using delayed rejection Markov chain Monte Carlo methods. Classical and Quantum Gravity, 2009, 26, 204024.	1.5	5
204	Bayesian inference on the Numerical INJection Analysis (NINJA) data set using a nested sampling algorithm. Classical and Quantum Gravity, 2009, 26, 114011.	1.5	10
205	Observation of a kilogram-scale oscillator near its quantum ground state. New Journal of Physics, 2009, 11, 073032.	1.2	123
206	Gravitational waves from resolvable massive black hole binary systems and observations with Pulsar Timing Arrays. Monthly Notices of the Royal Astronomical Society, 2009, 394, 2255-2265.	1.6	201
207	An upper limit on the stochastic gravitational-wave background of cosmological origin. Nature, 2009, 460, 990-994.	13.7	303
208	Einstein@Home search for periodic gravitational waves in LIGO S4 data. Physical Review D, 2009, 79, .	1.6	83
209	Search for gravitational-wave bursts in the first year of the fifth LIGO science run. Physical Review D, 2009, 80, .	1.6	79
210	LIGO: the Laser Interferometer Gravitational-Wave Observatory. Reports on Progress in Physics, 2009, 72, 076901.	8.1	971
211	Einstein@Home search for periodic gravitational waves in early S5 LIGO data. Physical Review D, 2009, 80, .	1.6	78
212	First LIGO search for gravitational wave bursts from cosmic (super)strings. Physical Review D, 2009, 80, .	1.6	45
213	Search for gravitational waves from low mass compact binary coalescence in 186 days of LIGOâ€™s fifth science run. Physical Review D, 2009, 80, .	1.6	105
214	Search for gravitational waves from low mass binary coalescences in the first year of LIGOâ€™s S5 data. Physical Review D, 2009, 79, .	1.6	120
215	Search for gravitational wave ringdowns from perturbed black holes in LIGO S4 data. Physical Review D, 2009, 80, .	1.6	38
216	Search for high frequency gravitational-wave bursts in the first calendar year of LIGOâ€™s fifth science run. Physical Review D, 2009, 80, .	1.6	32

#	Article	IF	Citations
217	STACKED SEARCH FOR GRAVITATIONAL WAVES FROM THE 2006 SGR 1900+14 STORM. Astrophysical Journal, 2009, 701, L68-L74.	1.6	45
218	The stochastic gravitational-wave background from massive black hole binary systems: implications for observations with Pulsar Timing Arrays. Monthly Notices of the Royal Astronomical Society, 2008, 390, 192-209.	1.6	331
219	Observing white dwarfs orbiting massive black holes in the gravitational wave and electro-magnetic window. Monthly Notices of the Royal Astronomical Society, 2008, 391, 718-726.	1.6	40
220	Publisherâ€™s Note: Upper limit map of a background of gravitational waves [Phys. Rev. D76, 082003 (2007)]. Physical Review D, 2008, 77, .	1.6	0
221	Publisherâ€™s Note: Upper limits on gravitational wave emission from 78 radio pulsars [Phys. Rev. D76, 042001 (2007)]. Physical Review D, 2008, 77, .	1.6	0
222	Search for gravitational waves associated with 39 gamma-ray bursts using data from the second, third, and fourth LIGO runs. Physical Review D, 2008, 77, .	1.6	60
223	All-sky search for periodic gravitational waves in LIGO S4 data. Physical Review D, 2008, 77, .	1.6	110
224	Search of S3 LIGO data for gravitational wave signals from spinning black hole and neutron star binary inspirals. Physical Review D, 2008, 78, .	1.6	54
225	Assigning confidence to inspiral gravitational wave candidates with Bayesian model selection. Classical and Quantum Gravity, 2008, 25, 184010.	1.5	40
226	Search for a stochastic gravitational-wave signal in the second round of the Mock LISA Data Challenges. Classical and Quantum Gravity, 2008, 25, 184019.	1.5	11
227	The Mock LISA Data Challenges: from Challenge 1B to Challenge 3. Classical and Quantum Gravity, 2008, 25, 184026.	1.5	64
228	Markov chain Monte Carlo searches for galactic binaries in Mock LISA Data Challenge 1B data sets. Classical and Quantum Gravity, 2008, 25, 184028.	1.5	5
229	Astrophysically triggered searches for gravitational waves: status and prospects. Classical and Quantum Gravity, 2008, 25, 114051.	1.5	26
230	Parameter estimation of spinning binary inspirals using Markov chain Monte Carlo. Classical and Quantum Gravity, 2008, 25, 184011.	1.5	95
231	First joint search for gravitational-wave bursts in LIGO and GEO 600 data. Classical and Quantum Gravity, 2008, 25, 245008.	1.5	22
232	Report on the second Mock LISA data challenge. Classical and Quantum Gravity, 2008, 25, 114037.	1.5	44
233	A joint search for gravitational wave bursts with AURIGA and LIGO. Classical and Quantum Gravity, 2008, 25, 095004.	1.5	16
234	Publisherâ€™s Note: All-sky search for periodic gravitational waves in LIGO S4 data [Phys. Rev. D77, 022001 (2008)]. Physical Review D, 2008, 77, .	1.6	0

#	Article	IF	Citations
235	Probing White Dwarf Interiors with LISA: Periastron Precession in Eccentric Double White Dwarfs. Physical Review Letters, 2008, 100, 041102.	2.9	26
236	Publisherâ€™s Note: First cross-correlation analysis of interferometric and resonant-bar gravitational-wave data for stochastic backgrounds [Phys. Rev. D76, 022001 (2007)]. Physical Review D, 2008, 77, .	1.6	0
237	Search for gravitational waves from binary inspirals in S3 and S4 LIGO data. Physical Review D, 2008, 77, .	1.6	126
238	Bayesian approach to the follow-up of candidate gravitational wave signals. Physical Review D, 2008, 78, .	1.6	46
239	Search for Gravitational-Wave Bursts from Soft Gamma Repeaters. Physical Review Letters, 2008, 101, 211102.	2.9	69
240	Implications for the Origin of GRB 070201 from LIGO Observations. Astrophysical Journal, 2008, 681, 1419-1430.	1.6	143
241	Beating the Spin-Down Limit on Gravitational Wave Emission from the Crab Pulsar. Astrophysical Journal, 2008, 683, L45-L49.	1.6	160
242	Gravitational-Wave Astronomy with Inspiral Signals of Spinning Compact-Object Binaries. Astrophysical Journal, 2008, 688, L61-L64.	1.6	89
243	Inference on inspiral signals using LISA MLDC data. Classical and Quantum Gravity, 2007, 24, S521-S527.	1.5	13
244	An overview of the second round of the Mock LISA Data Challenges. Classical and Quantum Gravity, 2007, 24, S551-S564.	1.5	48
245	Inference on white dwarf binary systems using the first round Mock LISA Data Challenges data sets. Classical and Quantum Gravity, 2007, 24, S541-S549.	1.5	15
246	Search for gravitational-wave bursts in LIGO data from the fourth science run. Classical and Quantum Gravity, 2007, 24, 5343-5369.	1.5	78
247	Report on the first round of the Mock LISA Data Challenges. Classical and Quantum Gravity, 2007, 24, S529-S539.	1.5	33
248	Upper limits on gravitational wave emission from 78 radio pulsars. Physical Review D, 2007, 76, .	1.6	121
249	Publisherâ€™s Note: First cross-correlation analysis of interferometric and resonant-bar gravitational-wave data for stochastic backgrounds [Phys. Rev. DPRVDAQ0556-282176, 022001 (2007)]. Physical Review D, 2007, 76, .	1.6	0
250	First cross-correlation analysis of interferometric and resonant-bar gravitational-wave data for stochastic backgrounds. Physical Review D, 2007, 76, .	1.6	35
251	Searching for a Stochastic Background of Gravitational Waves with the Laser Interferometer Gravitational-Wave Observatory. Astrophysical Journal, 2007, 659, 918-930.	1.6	120
252	Eccentric Double White Dwarfs as LISA Sources in Globular Clusters. Astrophysical Journal, 2007, 665, L59-L62.	1.6	42

#	Article	IF	Citations
253	Searches for periodic gravitational waves from unknown isolated sources and Scorpius X-1: Results from the second LIGO science run. Physical Review D, 2007, 76, .	1.6	128
254	Upper limit map of a background of gravitational waves. Physical Review D, 2007, 76, .	1.6	90
255	Search for gravitational wave radiation associated with the pulsating tail of the SGR<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>1806</mml:mn><mml:mo>â^'</mml:mo><mml:mn>20</mml:mn></mml:math>hyperflare of 27 December 2004 using LIGO. Physical Review D, 2007, 76, .	1.6	51
256	Search for gravitational waves from binary black hole inspirals in LIGO data. Physical Review D, 2006, 73, .	1.6	75
257	Joint LIGO and TAMA300 search for gravitational waves from inspiralling neutron star binaries. Physical Review D, 2006, 73, .	1.6	40
258	The GEO-HF project. Classical and Quantum Gravity, 2006, 23, S207-S214.	1.5	133
259	Status of the GEO600 detector. Classical and Quantum Gravity, 2006, 23, S71-S78.	1.5	123
260	Search for gravitational-wave bursts in LIGO's third science run. Classical and Quantum Gravity, 2006, 23, S29-S39.	1.5	40
261	The LISA verification binaries. Classical and Quantum Gravity, 2006, 23, S809-S817.	1.5	76
262	A Markov chain Monte Carlo approach to the study of massive black hole binary systems with LISA. Classical and Quantum Gravity, 2006, 23, S819-S827.	1.5	27
263	Automatic Bayesian inference for LISA data analysis strategies. AIP Conference Proceedings, 2006, , .	0.3	10
264	An Overview of the Mock LISA Data Challenges. AIP Conference Proceedings, 2006, , .	0.3	31
265	Gravitational Radiation from Newborn Magnetars in the Virgo Cluster. Astrophysical Journal, 2005, 634, L165-L168.	1.6	97
266	LISA Astronomy of Double White Dwarf Binary Systems. Astrophysical Journal, 2005, 633, L33-L36.	1.6	27
267	Gravitational waves, inflation and the cosmic microwave background: towards testing the slow-roll paradigm. Classical and Quantum Gravity, 2005, 22, S955-S963.	1.5	48
268	The status of GEO 600. Classical and Quantum Gravity, 2005, 22, S193-S198.	1.5	27
269	Limits on Gravitational-Wave Emission from Selected Pulsars Using LIGO Data. Physical Review Letters, 2005, 94, 181103.	2.9	130
270	Upper Limits on a Stochastic Background of Gravitational Waves. Physical Review Letters, 2005, 95, 221101.	2.9	89

#	Article	IF	Citations
271	Upper limits on gravitational wave bursts in LIGOâ€™s second science run. Physical Review D, 2005, 72, .	1.6	57
272	Search for gravitational waves from primordial black hole binary coalescences in the galactic halo. Physical Review D, 2005, 72, .	1.6	79
273	Upper limits from the LIGO and TAMA detectors on the rate of gravitational-wave bursts. Physical Review D, 2005, 72, .	1.6	49
274	Status of GEO 600. Classical and Quantum Gravity, 2004, 21, S417-S423.	1.5	85
275	Upper limits on the strength of periodic gravitational waves from PSR J1939+2134. Classical and Quantum Gravity, 2004, 21, S671-S676.	1.5	4
276	Searching for gravitational waves from low mass x-ray binaries. Classical and Quantum Gravity, 2004, 21, S729-S734.	1.5	1
277	Commissioning, characterization and operation of the dual-recycled GEO 600. Classical and Quantum Gravity, 2004, 21, S1737-S1745.	1.5	15
278	A family of filters to search for frequency-dependent gravitational wave stochastic backgrounds. Classical and Quantum Gravity, 2004, 21, S857-S860.	1.5	7
279	Effect of the LISA response function on observations of monochromatic sources. Physical Review D, 2004, 70, .	1.6	21
280	Analysis of first LIGO science data for stochastic gravitational waves. Physical Review D, 2004, 69, .	1.6	96
281	LISA observations of rapidly spinning massive black hole binary systems. Physical Review D, 2004, 70, .	1.6	150
282	First upper limits from LIGO on gravitational wave bursts. Physical Review D, 2004, 69, .	1.6	108
283	Setting upper limits on the strength of periodic gravitational waves from PSRJ1939+2134using the first science data from the GEO 600 and LIGO detectors. Physical Review D, 2004, 69, .	1.6	165
284	Detector description and performance for the first coincidence observations between LIGO and GEO. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 517, 154-179.	0.7	259
285	The status of GEO 600. , 2004, , .		2
286	LISA observations of intermediate mass black hole binary systems. , 2004, , .		0
287	Seismic isolation and suspension systems for Advanced LIGO. , 2004, , .		18
288	Searching for gravitational waves from the inspiral of precessing binary systems: Problems with current waveforms. Physical Review D, 2003, 67, .	1.6	30

#	Article	IF	Citations
289	A report on the status of the GEO 600 gravitational wave detector. Classical and Quantum Gravity, 2003, 20, S581-S591.	1.5	14
290	Detector characterization in GEO 600. Classical and Quantum Gravity, 2003, 20, S731-S739.	1.5	0
291	The GEO 600 gravitational wave detector. Classical and Quantum Gravity, 2002, 19, 1377-1387.	1.5	284
292	Data acquisition and detector characterization of GEO600. Classical and Quantum Gravity, 2002, 19, 1399-1407.	1.5	15
293	Progress on stochastic background search codes for LIGO. Classical and Quantum Gravity, 2002, 19, 1521-1527.	1.5	5
294	LISA and gravitational-wave stochastic backgrounds. Classical and Quantum Gravity, 2002, 19, 1449-1455.	1.5	5
295	Studying the anisotropy of the gravitational wave stochastic background with LISA. Physical Review D, 2001, 64, .	1.6	36
296	Searching for continuous gravitational wave sources in binary systems. Physical Review D, 2001, 63, .	1.6	30
297	High energy physics and the very early universe with LISA. Physical Review D, 2001, 63, .	1.6	35
298	Are pre-big-bang models falsifiable by gravitational wave experiments?. AIP Conference Proceedings, 2000, , .	0.3	1
299	Deep surveys of massive black holes with LISA. AIP Conference Proceedings, 2000, , .	0.3	2
300	LISA observations of massive black hole binaries using post-Newtonian waveforms. AIP Conference Proceedings, 2000, , .	0.3	2
301	Gravitational Wave Astronomy from Space. , 2000, , 253-269.		0
302	Gravitational waves from coalescing binaries and Doppler experiments. Physical Review D, 1999, 59, .	1.6	10
303	Gravitational waves from hot young rapidly rotating neutron stars. Physical Review D, 1998, 58, .	1.6	367
304	Bayesian bounds on parameter estimation accuracy for compact coalescing binary gravitational wave signals. Physical Review D, 1998, 57, 4588-4599.	1.6	45
305	LISA: Parameter estimation for massive black hole binaries. , 1998, , .		2
306	Galaxy mergers and implications for massive black hole binary coalescence. Classical and Quantum Gravity, 1997, 14, 1431-1437.	1.5	13

#	Article	IF	Citations
307	Limits on the gravitational wave background from spacecraft Doppler experiments. General Relativity and Gravitation, 1995, 27, 793-811.	0.7	2
308	Orbital evolution of a massive black hole pair by dynamical friction. Astrophysical Journal, 1994, 433, 733.	1.6	11
309	Dirichlet Process Gaussian-mixture model: An application to localizing coalescing binary neutron stars with gravitational-wave observations. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	26