Alberto Vecchio

List of Articles by Year
in descending order

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304 peer-reviewed articles	77,721 peer-reviewed citations	1963 98 peer-reviewed h-index	42797 6.99 score
316 documents	82051 doc citations	2469 102 h-index	10842 citing authors

#	Article	IF	Citations
1	Premerger observation and characterization of massive black hole binaries. Physical Review D, 2025, 111, .	3.4	9
2	Advanced LIGO detector performance in the fourth observing run. Physical Review D, 2025, 111, .	3.4	112
3	Searches for signatures of ultralight axion dark matter in polarimetry data of the European Pulsar Timing Array. Physical Review D, 2025, 111, .	3.4	7
4	Which Is Which? Identification of the Two Compact Objects in Gravitational-Wave Binaries. Physical Review Letters, 2025, 134, .	5.8	7
5	The second data release from the European Pulsar Timing Array. Astronomy and Astrophysics, 2024, 685, A94.	4.0	296
6	Sensors and actuators for the advanced LIGO A+ upgrade. Review of Scientific Instruments, 2023, 94, .	1.1	10
7	Identifying LISA verification binaries among the Galactic population of double white dwarfs. Monthly Notices of the Royal Astronomical Society, 2023, 522, 5358-5373.	3.3	42
8	LISA science performance in observations of short-lived signals from massive black hole binary coalescences. Physical Review D, 2023, 107, .	3.4	16
9	The second data release from the European Pulsar Timing Array. Astronomy and Astrophysics, 2023, 678, A48.	4.0	312
10	The second data release from the European Pulsar Timing Array. Astronomy and Astrophysics, 2023, 678, A49.	4.0	104
11	The second data release from the European Pulsar Timing Array. Astronomy and Astrophysics, 2023, 678, A50.	4.0	1,043
12	Open Data from the Third Observing Run of LIGO, Virgo, KAGRA, and GEO. Astrophysical Journal, Supplement Series, 2023, 267, 29.	4.9	314
13	Implications of pulsar timing array observations for LISA detections of massive black hole binaries. Monthly Notices of the Royal Astronomical Society, 2023, 525, 2851-2863.	3.3	18
14	Precision tracking of massive black hole spin evolution with LISA. Physical Review D, 2023, 108, .	3.4	14
15	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.	3.3	316
16	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.	3.3	27
17	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	1.4	42
18	Searches for Gravitational Waves from Known Pulsars at Two Harmonics in the Second and Third LIGO-Virgo Observing Runs. Astrophysical Journal, 2022, 935, 1.	3.5	73

#	Article	IF	Citations
19	Model-based Cross-correlation Search for Gravitational Waves from the Low-mass X-Ray Binary Scorpius X-1 in LIGO O3 Data. Astrophysical Journal Letters, 2022, 941, L30.	7.2	29
20	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.	3.3	291
21	Massive black hole binary systems and the NANOGrav 12.5 yr results. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 502, L99-L103.	3.2	76
22	A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. Astrophysical Journal, 2021, 909, 218.	3.5	250
23	An interactive gravitational-wave detector model for museums and fairs. American Journal of Physics, 2021, 89, 702-712.	0.5	2
24	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.	3.5	27
25	Bayesian parameter estimation of stellar-mass black-hole binaries with LISA. Physical Review D, 2021, 104, .	3.4	50
26	Ultra-low-frequency gravitational waves from cosmological and astrophysical processes. Nature Astronomy, 2021, 5, 1268-1274.	9.0	53
27	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.	3.3	54
28	Assessing gravitational-wave binary black hole candidates with Bayesian odds. Physical Review D, 2021, 104, .	3.4	9
29	Constraining the Lensing of Binary Black Holes from Their Stochastic Background. Physical Review Letters, 2020, 125, .	5.8	28
30	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2020, 23, .	38.3	833
31	Constraining the lensing of binary neutron stars from their stochastic background. Physical Review D, 2020, 102, .	3.4	10
32	Populations of double white dwarfs in Milky Way satellites and their detectability with LISA. Astronomy and Astrophysics, 2020, 638, A153.	4.0	74
33	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.	0.2	0
34	Gravitational-wave selection effects using neural-network classifiers. Physical Review D, 2020, 102, .	3.4	32
35	Milky Way Satellites Shining Bright in Gravitational Waves. Astrophysical Journal Letters, 2020, 894, L15.	7.2	42
36	The International Pulsar Timing Array: second data release. Monthly Notices of the Royal Astronomical Society, 2019, 490, 4666-4687.	3.3	278

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37	Exploring the sensitivity of gravitational wave detectors to neutron star physics. Physical Review D, 2019, 99, .	3.4	107
38	Improving astrophysical parameter estimation via offline noise subtraction for Advanced LIGO. Physical Review D, 2019, 99, .	3.4	104
39	Effects of data quality vetoes on a search for compact binary coalescences in Advanced LIGO's first observing run. Classical and Quantum Gravity, 2018, 35, 065010.	2.5	131
40	GW170817: Implications for the Stochastic Gravitational-Wave Background from Compact Binary Coalescences. Physical Review Letters, 2018, 120, .	5.8	216
41	All-sky search for long-duration gravitational wave transients in the first Advanced LIGO observing run. Classical and Quantum Gravity, 2018, 35, 065009.	2.5	29
42	No tension between assembly models of super massive black hole binaries and pulsar observations. Nature Communications, 2018, 9, .	10.8	31
43	The astrophysical science case for a decihertz gravitational-wave detector. Classical and Quantum Gravity, 2018, 35, 054004.	2.5	52
44	First Search for Nontensorial Gravitational Waves from Known Pulsars. Physical Review Letters, 2018, 120, .	5.8	80
45	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2018, 21, .	38.3	1,020
46	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, .	3.4	138
47	Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background. Physical Review Letters, 2018, 120, .	5.8	111
48	Dirichlet Process Gaussian-mixture model: An application to localizing coalescing binary neutron stars with gravitational-wave observations. Monthly Notices of the Royal Astronomical Society, 2018, , .	3.3	35
49	Constraints on cosmic strings using data from the first Advanced LIGO observing run. Physical Review D, 2018, 97, .	3.4	123
50	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.	3.3	18
51	Exploring the sensitivity of next generation gravitational wave detectors. Classical and Quantum Gravity, 2017, 34, 044001.	2.5	1,098
52	All-sky search for short gravitational-wave bursts in the first Advanced LIGO run. Physical Review D, 2017, 95, .	3.4	93
53	Effects of waveform model systematics on the interpretation of GW150914. Classical and Quantum Gravity, 2017, 34, 104002.	2.5	138
54	Calibration of the Advanced LIGO detectors for the discovery of the binary black-hole merger GW150914. Physical Review D, 2017, 95, .	3.4	92

#	Article	IF	Citations
55	Upper Limits on the Stochastic Gravitational-Wave Background from Advanced LIGO's First Observing Run. Physical Review Letters, 2017, 118, .	5.8	255
56	Directional Limits on Persistent Gravitational Waves from Advanced LIGO's First Observing Run. Physical Review Letters, 2017, 118, .	5.8	103
57	First Search for Gravitational Waves from Known Pulsars with Advanced LIGO. Astrophysical Journal, 2017, 839, 12.	3.5	145
58	The basic physics of the binary black hole merger GW150914. Annalen Der Physik, 2017, 529, .	1.6	104
59	GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence. Physical Review Letters, 2017, 119, .	5.8	1,896
60	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.	3.5	54
61	A gravitational-wave standard siren measurement of the Hubble constant. Nature, 2017, 551, 85-88.	30.7	1,009
62	GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. Physical Review Letters, 2017, 119, .	5.8	8,837
63	Multi-messenger Observations of a Binary Neutron Star Merger*. Astrophysical Journal Letters, 2017, 848, L12.	7.2	3,835
64	Gravitational Waves and Gamma-Rays from a Binary Neutron Star Merger: GW170817 and GRB 170817A. Astrophysical Journal Letters, 2017, 848, L13.	7.2	3,129
65	Distinguishing spin-aligned and isotropic black hole populations with gravitational waves. Nature, 2017, 548, 426-429.	30.7	262
66	Search for intermediate mass black hole binaries in the first observing run of Advanced LIGO. Physical Review D, 2017, 96, .	3.4	81
67	Quantum correlation measurements in interferometric gravitational-wave detectors. Physical Review A, 2017, 95, .	1.8	20
68	All-sky search for periodic gravitational waves in the O1 LIGO data. Physical Review D, 2017, 96, .	3.4	75
69	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.	3.5	60
70	Search for high-energy neutrinos from gravitational wave event GW151226 and candidate LVT151012 with ANTARES and IceCube. Physical Review D, 2017, 96, .	3.4	42
71	First Demonstration of Electrostatic Damping of Parametric Instability at Advanced LIGO. Physical Review Letters, 2017, 118, .	5.8	31
72	Search for Post-merger Gravitational Waves from the Remnant of the Binary Neutron Star Merger GW170817. Astrophysical Journal Letters, 2017, 851, L16.	7.2	236

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73	Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated with GW170817. Astrophysical Journal Letters, 2017, 850, L39.	7.2	204
74	Effects of transients in LIGO suspensions on searches for gravitational waves. Review of Scientific Instruments, 2017, 88, .	1.1	6
75	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.	7.2	166
76	All correlations must die: Assessing the significance of a stochastic gravitational-wave background in pulsar timing arrays. Physical Review D, 2017, 95, .	3.4	66
77	GW170104: Observation of a 50-Solar-Mass Binary Black Hole Coalescence at Redshift 0.2. Physical Review Letters, 2017, 118, .	5.8	2,263
78	Search for continuous gravitational waves from neutron stars in globular cluster NGC 6544. Physical Review D, 2017, 95, .	3.4	24
79	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, .	3.4	73
80	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.	3.3	32
81	First narrow-band search for continuous gravitational waves from known pulsars in advanced detector data. Physical Review D, 2017, 96, .	3.4	54
82	First low-frequency Einstein@Home all-sky search for continuous gravitational waves in Advanced LIGO data. Physical Review D, 2017, 96, .	3.4	68
83	On the Progenitor of Binary Neutron Star Merger GW170817. Astrophysical Journal Letters, 2017, 850, L40.	7.2	94
84	GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. Astrophysical Journal Letters, 2017, 851, L35.	7.2	1,098
85	PARAMETER ESTIMATION ON GRAVITATIONAL WAVES FROM NEUTRON-STAR BINARIES WITH SPINNING COMPONENTS. Astrophysical Journal, 2016, 825, 116.	3.5	73
86	Early Advanced LIGO binary neutron-star sky localization and parameter estimation. Journal of Physics: Conference Series, 2016, 716, 012031.	0.2	5
87	On tests of general relativity with binary radio pulsars. Monthly Notices of the Royal Astronomical Society: Letters, 2016, 462, L21-L25.	3.2	7
88	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. Classical and Quantum Gravity, 2016, 33, 134001.	2.5	298
89	SUPPLEMENT: "THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914" (2016, ApJL, 833, L1). Astrophysical Journal, Supplement Series, 2016, 227, 14.	4.9	79
90	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. Living Reviews in Relativity, 2016, 19, .	38.3	521

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91	Improved Analysis of GW150914 Using a Fully Spin-Precessing Waveform Model. Physical Review X, 2016, 6, .	7.9	125
92	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, .	3.4	32
93	THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914. Astrophysical Journal Letters, 2016, 833, L1.	7.2	269
94	High-precision timing of 42 millisecond pulsars with the European Pulsar Timing Array. Monthly Notices of the Royal Astronomical Society, 2016, 458, 3341-3380.	3.3	438
95	The International Pulsar Timing Array: First data release. Monthly Notices of the Royal Astronomical Society, 2016, 458, 1267-1288.	3.3	433
96	LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. Astrophysical Journal Letters, 2016, 826, L13.	7.2	223
97	Comprehensive all-sky search for periodic gravitational waves in the sixth science run LIGO data. Physical Review D, 2016, 94, .	3.4	37
98	First targeted search for gravitational-wave bursts from core-collapse supernovae in data of first-generation laser interferometer detectors. Physical Review D, 2016, 94, .	3.4	76
99	UPPER LIMITS ON THE RATES OF BINARY NEUTRON STAR AND NEUTRON STAR–BLACK HOLE MERGERS FROM ADVANCED LIGO'S FIRST OBSERVING RUN. Astrophysical Journal Letters, 2016, 832, L21.	7.2	156
100	Directly comparing GW150914 with numerical solutions of Einstein's equations for binary black hole coalescence. Physical Review D, 2016, 94, .	3.4	144
101	All-sky search for long-duration gravitational wave transients with initial LIGO. Physical Review D, 2016, 93, .	3.4	30
102	Search of the Orion spur for continuous gravitational waves using a loosely coherent algorithm on data from LIGO interferometers. Physical Review D, 2016, 93, .	3.4	20
103	First low frequency all-sky search for continuous gravitational wave signals. Physical Review D, 2016, 93, .	3.4	34
104	Sensitivity of the Advanced LIGO detectors at the beginning of gravitational wave astronomy. Physical Review D, 2016, 93, .	3.4	382
105	GW150914: First results from the search for binary black hole coalescence with Advanced LIGO. Physical Review D, 2016, 93, .	3.4	439
106	Search for transient gravitational waves in coincidence with short-duration radio transients during 2007–2013. Physical Review D, 2016, 93, .	3.4	18
107	High-energy neutrino follow-up search of gravitational wave event GW150914 with ANTARES and IceCube. Physical Review D, 2016, 93, .	3.4	95
108	GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes. Physical Review Letters, 2016, 116, .	5.8	324

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109	GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. Physical Review Letters, 2016, 116, .	5.8	674
110	SUPPLEMENT: "LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914" (2016, ApJL, 826, L13). Astrophysical Journal, Supplement Series, 2016, 225, 8.	4.9	47
111	Observing gravitational-wave transient GW150914 with minimal assumptions. Physical Review D, 2016, 93, .	3.4	153
112	Tests of General Relativity with GW150914. Physical Review Letters, 2016, 116, .	5.8	1,626
113	Properties of the Binary Black Hole Merger GW150914. Physical Review Letters, 2016, 116, .	5.8	907
114	GW151226: Observation of Gravitational Waves from a 22-Solar-Mass Binary Black Hole Coalescence. Physical Review Letters, 2016, 116, .	5.8	3,100
115	Binary Black Hole Mergers in the First Advanced LIGO Observing Run. Physical Review X, 2016, 6, .	7.9	1,075
116	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.	3.3	118
117	ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. Astrophysical Journal Letters, 2016, 818, L22.	7.2	709
118	Observation of Gravitational Waves from a Binary Black Hole Merger. Physical Review Letters, 2016, 116, .	5.8	12,241
119	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.	3.3	67
120	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.	3.3	203
121	PARAMETER ESTIMATION FOR BINARY NEUTRON-STAR COALESCENCES WITH REALISTIC NOISE DURING THE ADVANCED LIGO ERA. Astrophysical Journal, 2015, 804, 114.	3.5	138
122	Narrow-band search of continuous gravitational-wave signals from Crab and Vela pulsars in Virgo VSR4 data. Physical Review D, 2015, 91, .	3.4	43
123	Searching for stochastic gravitational waves using data from the two colocated LIGO Hanford detectors. Physical Review D, 2015, 91, .	3.4	50
124	Parameter estimation for compact binaries with ground-based gravitational-wave observations using the LALInference software library. Physical Review D, 2015, 91, .	3.4	863
125	Directed search for gravitational waves from Scorpius X-1 with initial LIGO data. Physical Review D, 2015, 91, .	3.4	51
126	Limits on Anisotropy in the Nanohertz Stochastic Gravitational Wave Background. Physical Review Letters, 2015, 115, .	5.8	67

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127	Characterization of the LIGO detectors during their sixth science run. Classical and Quantum Gravity, 2015, 32, 115012.	2.5	1,202
128	Advanced LIGO. Classical and Quantum Gravity, 2015, 32, 074001.	2.5	3,202
129	European Pulsar Timing Array limits on an isotropic stochastic gravitational-wave background. Monthly Notices of the Royal Astronomical Society, 2015, 453, 2577-2599.	3.3	461
130	SEARCHES FOR CONTINUOUS GRAVITATIONAL WAVES FROM NINE YOUNG SUPERNOVA REMNANTS. Astrophysical Journal, 2015, 813, 39.	3.5	72
131	Astrophysical constraints on massive black hole binary evolution from pulsar timing arrays. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 455, L72-L76.	3.2	37
132	FIRST SEARCHES FOR OPTICAL COUNTERPARTS TO GRAVITATIONAL-WAVE CANDIDATE EVENTS. Astrophysical Journal, Supplement Series, 2014, 211, 7.	4.9	60
133	First all-sky search for continuous gravitational waves from unknown sources in binary systems. Physical Review D, 2014, 90, .	3.4	62
134	Rapidly evaluating the compact-binary likelihood function via interpolation. Physical Review D, 2014, 90, .	3.4	10
135	Constraints on Cosmic Strings from the LIGO-Virgo Gravitational-Wave Detectors. Physical Review Letters, 2014, 112, .	5.8	76
136	Improved Upper Limits on the Stochastic Gravitational-Wave Background from 2009–2010 LIGO and Virgo Data. Physical Review Letters, 2014, 113, .	5.8	90
137	Comparison of gravitational wave detector network sky localization approximations. Physical Review D, 2014, 89, .	3.4	64
138	Reconstructing the sky location of gravitational-wave detected compact binary systems: Methodology for testing and comparison. Physical Review D, 2014, 89, .	3.4	61
139	Multimessenger search for sources of gravitational waves and high-energy neutrinos: Initial results for LIGO-Virgo and IceCube. Physical Review D, 2014, 90, .	3.4	33
140	THE FIRST TWO YEARS OF ELECTROMAGNETIC FOLLOW-UP WITH ADVANCED LIGO AND VIRGO. Astrophysical Journal, 2014, 795, 105.	3.5	177
141	Testing general relativity with compact coalescing binaries: comparing exact and predictive methods to compute the Bayes factor. Classical and Quantum Gravity, 2014, 31, 205006.	2.5	19
142	Implementation of an $\mathcal{F}$-statistic all-sky search for continuous gravitational waves in Virgo VSR1 data. Classical and Quantum Gravity, 2014, 31, 165014.	2.5	38
143	GRAVITATIONAL WAVES FROM KNOWN PULSARS: RESULTS FROM THE INITIAL DETECTOR ERA. Astrophysical Journal, 2014, 785, 119.	3.5	137
144	Application of a Hough search for continuous gravitational waves on data from the fifth LIGO science run. Classical and Quantum Gravity, 2014, 31, 085014.	2.5	21

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145	The NINJA-2 project: detecting and characterizing gravitational waveforms modelled using numerical binary black hole simulations. Classical and Quantum Gravity, 2014, 31, 115004.	2.5	56
146	Search for gravitational wave ringdowns from perturbed intermediate mass black holes in LIGO-Virgo data from 2005–2010. Physical Review D, 2014, 89, .	3.4	28
147	Search for Gravitational Waves Associated withγ-ray Bursts Detected by the Interplanetary Network. Physical Review Letters, 2014, 113, .	5.8	35
148	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, .	3.4	35
149	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, .	3.4	31
150	Summary of session C1: pulsar timing arrays. General Relativity and Gravitation, 2014, 46, .	1.8	0
151	Search for gravitational waves from binary black hole inspiral, merger, and ringdown in LIGO-Virgo data from 2009–2010. Physical Review D, 2013, 87, .	3.4	95
152	Search for long-lived gravitational-wave transients coincident with long gamma-ray bursts. Physical Review D, 2013, 88, .	3.4	32
153	Enhanced sensitivity of the LIGO gravitational wave detector by using squeezed states of light. Nature Photonics, 2013, 7, 613-619.	23.7	1,120
154	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.	4.1	35
155	Characterizing gravitational wave stochastic background anisotropy with pulsar timing arrays. Physical Review D, 2013, 88, .	3.4	154
156	Einstein@Home all-sky search for periodic gravitational waves in LIGO S5 data. Physical Review D, 2013, 87, .	3.4	93
157	Parameter estimation for compact binary coalescence signals with the first generation gravitational-wave detector network. Physical Review D, 2013, 88, .	3.4	140
158	Directed search for continuous gravitational waves from the Galactic center. Physical Review D, 2013, 88, .	3.4	68
159	Studies of waveform requirements for intermediate mass-ratio coalescence searches with advanced gravitational-wave detectors. Physical Review D, 2013, 88, .	3.4	19
160	Sensors and actuators for the Advanced LIGO mirror suspensions. Classical and Quantum Gravity, 2012, 29, 115005.	2.5	78
161	Update on quadruple suspension design for Advanced LIGO. Classical and Quantum Gravity, 2012, 29, 235004.	2.5	149
162	SWIFT FOLLOW-UP OBSERVATIONS OF CANDIDATE GRAVITATIONAL-WAVE TRANSIENT EVENTS. Astrophysical Journal, Supplement Series, 2012, 203, 28.	4.9	64

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163	The characterization of Virgo data and its impact on gravitational-wave searches. Classical and Quantum Gravity, 2012, 29, 155002.	2.5	82
164	Towards a generic test of the strong field dynamics of general relativity using compact binary coalescence. Physical Review D, 2012, 85, .	3.4	232
165	Estimating parameters of coalescing compact binaries with proposed advanced detector networks. Physical Review D, 2012, 85, .	3.4	84
166	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.	0.2	51
167	First low-latency LIGO+Virgo search for binary inspirals and their electromagnetic counterparts. Astronomy and Astrophysics, 2012, 541, A155.	4.0	76
168	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.	3.5	110
169	Computer-games for gravitational wave science outreach:Black Hole PongandSpace Time Quest. Journal of Physics: Conference Series, 2012, 363, 012057.	0.2	5
170	IMPLICATIONS FOR THE ORIGIN OF GRB 051103 FROM LIGO OBSERVATIONS. Astrophysical Journal, 2012, 755, 2.	3.5	64
171	All-sky search for gravitational-wave bursts in the second joint LIGO-Virgo run. Physical Review D, 2012, 85, .	3.4	114
172	Search for gravitational waves from intermediate mass binary black holes. Physical Review D, 2012, 85, .	3.4	50
173	Upper limits on a stochastic gravitational-wave background using LIGO and Virgo interferometers at 600–1000 Hz. Physical Review D, 2012, 85, .	3.4	49
174	Search for gravitational waves from low mass compact binary coalescence in LIGO's sixth science run and Virgo's science runs 2 and 3. Physical Review D, 2012, 85, .	3.4	195
175	All-sky search for periodic gravitational waves in the full S5 LIGO data. Physical Review D, 2012, 85, .	3.4	69
176	Observing the Dynamics of Supermassive Black Hole Binaries with Pulsar Timing Arrays. Physical Review Letters, 2012, 109, .	5.8	45
177	Scientific objectives of Einstein Telescope. Classical and Quantum Gravity, 2012, 29, 124013.	2.5	495
178	A cosmological view of extreme mass-ratio inspirals in nuclear star clusters. Astronomy and Astrophysics, 2012, 542, A102.	4.0	29
179	Implementation and testing of the first prompt search for gravitational wave transients with electromagnetic counterparts. Astronomy and Astrophysics, 2012, 539, A124.	4.0	90
180	Search for gravitational waves associated with the August 2006 timing glitch of the Vela pulsar. Physical Review D, 2011, 83, .	3.4	65

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181	Search for gravitational waves from binary black hole inspiral, merger, and ringdown. Physical Review D, 2011, 83, .	3.4	90
182	Testing general relativity using Bayesian model selection: Applications to observations of gravitational waves from compact binary systems. Physical Review D, 2011, 83, .	3.4	85
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