Bruce Allen

List of Publications by Year
in descending order

172 papers	30,162 citations	15504 65 h-index	4548 171 g-index
175 all docs	175 docs citations	175 times ranked	14744 citing authors

#	Article	IF	Citations
1	GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. Physical Review Letters, 2017, 119, 161101.	7.8	6,413
2	GW170104: Observation of a 50-Solar-Mass Binary Black Hole Coalescence at Redshift 0.2. Physical Review Letters, 2017, 118, 221101.	7.8	1,987
3	GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence. Physical Review Letters, 2017, 119, 141101.	7.8	1,600
4	Tests of General Relativity with GW150914. Physical Review Letters, 2016, 116, 221101.	7.8	1,224
5	The Einstein Telescope: a third-generation gravitational wave observatory. Classical and Quantum Gravity, 2010, 27, 194002.	4.0	1,211
6	Characterization of the LIGO detectors during their sixth science run. Classical and Quantum Gravity, 2015, 32, 115012.	4.0	1,029
7	Predictions for the rates of compact binary coalescences observable by ground-based gravitational-wave detectors. Classical and Quantum Gravity, 2010, 27, 173001.	4.0	956
8	Enhanced sensitivity of the LIGO gravitational wave detector by using squeezed states of light. Nature Photonics, 2013, 7, 613-619.	31.4	825
9	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2018, 21, 3.	26.7	808
10	A gravitational wave observatory operating beyond the quantum shot-noise limit. Nature Physics, 2011, 7, 962-965.	16.7	716
11	Properties of the Binary Black Hole Merger GW150914. Physical Review Letters, 2016, 116, 241102.	7.8	673
12	ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. Astrophysical Journal Letters, 2016, 818, L22.	8.3	633
13	Vacuum states in de Sitter space. Physical Review D, 1985, 32, 3136-3149.	4.7	587
14	Detecting a stochastic background of gravitational radiation: Signal processing strategies and sensitivities. Physical Review D, 1999, 59, .	4.7	511
15	GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. Physical Review Letters, 2016, 116, 131103.	7.8	466
16	FAST RADIO BURST DISCOVERED IN THE ARECIBO PULSAR ALFA SURVEY. Astrophysical Journal, 2014, 790, 101.	4.5	409
17	Cosmic-string evolution: A numerical simulation. Physical Review Letters, 1990, 64, 119-122.	7.8	405
18	FINDCHIRP: An algorithm for detection of gravitational waves from inspiraling compact binaries. Physical Review D, 2012, 85, .	4.7	391

#	Article	IF	Citations
19	Scientific objectives of Einstein Telescope. Classical and Quantum Gravity, 2012, 29, 124013.	4.0	355
20	An upper limit on the stochastic gravitational-wave background of cosmological origin. Nature, 2009, 460, 990-994.	27.8	303
21	Vector two-point functions in maximally symmetric spaces. Communications in Mathematical Physics, 1986, 103, 669-692.	2.2	289
22	Massless minimally coupled scalar field in de Sitter space. Physical Review D, 1987, 35, 3771-3778.	4.7	269
23	GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes. Physical Review Letters, 2016, 116, 131102.	7.8	269
24	Stochastic gravity-wave background in inflationary-universe models. Physical Review D, 1988, 37, 2078-2085.	4.7	262
25	Ï‡2time-frequency discriminator for gravitational wave detection. Physical Review D, 2005, 71, .	4.7	259
26	THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914. Astrophysical Journal Letters, 2016, 833, L1.	8.3	230
27	Upper Limits on the Stochastic Gravitational-Wave Background from Advanced LIGOâ€™s First Observing Run. Physical Review Letters, 2017, 118, 121101.	7.8	194
28	Cosmological constraints on cosmic-string gravitational radiation. Physical Review D, 1992, 45, 3447-3468.	4.7	180
29	Beating the Spin-Down Limit on Gravitational Wave Emission from the Crab Pulsar. Astrophysical Journal, 2008, 683, L45-L49.	4.5	160
30	SEARCHES FOR GRAVITATIONAL WAVES FROM KNOWN PULSARS WITH SCIENCE RUN 5 LIGO DATA. Astrophysical Journal, 2010, 713, 671-685.	4.5	155
31	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.	8.3	146
32	Implications for the Origin of GRB 070201 from LIGO Observations. Astrophysical Journal, 2008, 681, 1419-1430.	4.5	143
33	An evaluation of the graviton propagator in de sitter space. Nuclear Physics B, 1987, 292, 813-852.	2.5	134
34	The GEO-HF project. Classical and Quantum Gravity, 2006, 23, S207-S214.	4.0	133
35	First Search for Gravitational Waves from Known Pulsars with Advanced LIGO. Astrophysical Journal, 2017, 839, 12.	4.5	131
36	Limits on Gravitational-Wave Emission from Selected Pulsars Using LIGO Data. Physical Review Letters, 2005, 94, 181103.	7.8	130

#	Article	IF	Citations
37	GRAVITATIONAL WAVES FROM KNOWN PULSARS: RESULTS FROM THE INITIAL DETECTOR ERA. Astrophysical Journal, 2014, 785, 119.	4.5	125
38	Status of the GEO600 detector. Classical and Quantum Gravity, 2006, 23, S71-S78.	4.0	123
39	Searching for a Stochastic Background of Gravitational Waves with the Laser Interferometer Gravitational-Wave Observatory. Astrophysical Journal, 2007, 659, 918-930.	4.5	120
40	PALFA Discovery of a Highly Relativistic Double Neutron Star Binary. Astrophysical Journal Letters, 2018, 854, L22.	8.3	119
41	Detection of anisotropies in the gravitational-wave stochastic background. Physical Review D, 1997, 56, 545-563.	4.7	117
42	Stochastic template placement algorithm for gravitational wave data analysis. Physical Review D, 2009, 80, .	4.7	114
43	Cosmic Microwave Background Anisotropy Induced by Cosmic Strings on Angular Scalesâ‰³15â€². Physical Review Letters, 1997, 79, 2624-2627.	7.8	105
44	FIRST SEARCH FOR GRAVITATIONAL WAVES FROM THE YOUNGEST KNOWN NEUTRON STAR. Astrophysical Journal, 2010, 722, 1504-1513.	4.5	104
45	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.	4.5	104
46	SEARCHING FOR PULSARS USING IMAGE PATTERN RECOGNITION. Astrophysical Journal, 2014, 781, 117.	4.5	99
47	Effects of waveform model systematics on the interpretation of GW150914. Classical and Quantum Gravity, 2017, 34, 104002.	4.0	98
48	Search for Gravitational Waves from a Long-lived Remnant of the Binary Neutron Star Merger GW170817. Astrophysical Journal, 2019, 875, 160.	4.5	97
49	Directional Limits on Persistent Gravitational Waves Using LIGO S5 Science Data. Physical Review Letters, 2011, 107, 271102.	7.8	94
50	Binary Millisecond Pulsar Discovery via Gamma-Ray Pulsations. Science, 2012, 338, 1314-1317.	12.6	92
51	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.	4.5	90
52	Upper Limits on a Stochastic Background of Gravitational Waves. Physical Review Letters, 2005, 95, 221101.	7.8	89
53	BEATING THE SPIN-DOWN LIMIT ON GRAVITATIONAL WAVE EMISSION FROM THE VELA PULSAR. Astrophysical Journal, 2011, 737, 93.	4.5	89
54	Improved Upper Limits on the Stochastic Gravitational-Wave Background from 2009â€"2010 LIGO and Virgo Data. Physical Review Letters, 2014, 113, 231101.	7.8	86

#	Article	IF	Citations
55	Directional Limits on Persistent Gravitational Waves from Advanced LIGOâ€™s First Observing Run. Physical Review Letters, 2017, 118, 121102.	7.8	84
56	All-Sky LIGO Search for Periodic Gravitational Waves in the Early Fifth-Science-Run Data. Physical Review Letters, 2009, 102, 111102.	7.8	83
57	Search for gravitational-wave bursts in LIGO data from the fourth science run. Classical and Quantum Gravity, 2007, 24, 5343-5369.	4.0	78
58	ARECIBO PULSAR SURVEY USING ALFA. IV. MOCK SPECTROMETER DATA ANALYSIS, SURVEY SENSITIVITY, AND THE DISCOVERY OF 40 PULSARS. Astrophysical Journal, 2015, 812, 81.	4.5	77
59	Searching for gravitational waves from Cassiopeia A with LIGO. Classical and Quantum Gravity, 2008, 25, 235011.	4.0	75
60	The characterization of Virgo data and its impact on gravitational-wave searches. Classical and Quantum Gravity, 2012, 29, 155002.	4.0	73
61	Gravitational radiation from cosmic strings. Physical Review D, 1992, 45, 1898-1912.	4.7	71
62	Search for Gravitational-Wave Bursts from Soft Gamma Repeaters. Physical Review Letters, 2008, 101, 211102.	7.8	69
63	The basic physics of the binary black hole merger GW150914. Annalen Der Physik, 2017, 529, 1600209.	2.4	69
64	Constraints on Cosmic Strings from the LIGO-Virgo Gravitational-Wave Detectors. Physical Review Letters, 2014, 112, 131101.	7.8	68
65	SEARCHES FOR CONTINUOUS GRAVITATIONAL WAVES FROM NINE YOUNG SUPERNOVA REMNANTS. Astrophysical Journal, 2015, 813, 39.	4.5	66
66	SWIFT FOLLOW-UP OBSERVATIONS OF CANDIDATE GRAVITATIONAL-WAVE TRANSIENT EVENTS. Astrophysical Journal, Supplement Series, 2012, 203, 28.	7.7	62
67	The graviton propagator in homogeneous and isotropic spacetimes. Nuclear Physics B, 1987, 287, 743-756.	2.5	61
68	Effects of curvature couplings for quantum fields on cosmic-string space-times. Physical Review D, 1990, 42, 2669-2677.	4.7	61
69	Exploiting Large-Scale Correlations to Detect Continuous Gravitational Waves. Physical Review Letters, 2009, 103, 181102.	7.8	61
70	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.	4.5	60
71	IMPLICATIONS FOR THE ORIGIN OF GRB 051103 FROM LIGO OBSERVATIONS. Astrophysical Journal, 2012, 755, 2.	4.5	60
72	Graviton propagator in de Sitter space. Physical Review D, 1986, 34, 3670-3675.	4.7	57

#	Article	IF	Citations
73	Observational Limit on Gravitational Waves from Binary Neutron Stars in the Galaxy. Physical Review Letters, 1999, 83, 1498-1501.	7.8	57
74	Pulsar Discovery by Global Volunteer Computing. Science, 2010, 329, 1305-1305.	12.6	57
75	FIRST SEARCHES FOR OPTICAL COUNTERPARTS TO GRAVITATIONAL-WAVE CANDIDATE EVENTS. Astrophysical Journal, Supplement Series, 2014, 211, 7.	7.7	57
76	SEARCH FOR GRAVITATIONAL WAVE BURSTS FROM SIX MAGNETARS. Astrophysical Journal Letters, 2011, 734, L35.	8.3	55
77	Spinor two-point functions in maximally symmetric spaces. Communications in Mathematical Physics, 1986, 106, 201-210.	2.2	54
78	THE<i>EINSTEIN@HOME</i>SEARCH FOR RADIO PULSARS AND PSR J2007+2722 DISCOVERY. Astrophysical Journal, 2013, 773, 91.	4.5	53
79	EINSTEIN@HOME DISCOVERY OF A DOUBLE NEUTRON STAR BINARY IN THE PALFA SURVEY. Astrophysical Journal, 2016, 831, 150.	4.5	52
80	Large Angular Scale Anisotropy in Cosmic Microwave Background Induced by Cosmic Strings. Physical Review Letters, 1996, 77, 3061-3065.	7.8	49
81	THE EINSTEIN@HOME GAMMA-RAY PULSAR SURVEY. I. SEARCH METHODS, SENSITIVITY, AND DISCOVERY OF NEW YOUNG GAMMA-RAY PULSARS. Astrophysical Journal, 2017, 834, 106.	4.5	49
82	peace: pulsar evaluation algorithm for candidate extraction â€“ a software package for post-analysis processing of pulsar survey candidates. Monthly Notices of the Royal Astronomical Society, 2013, 433, 688-694.	4.4	48
83	CBR anisotropy from primordial gravitational waves in inflationary cosmologies. Physical Review D, 1994, 50, 3713-3737.	4.7	46
84	STACKED SEARCH FOR GRAVITATIONAL WAVES FROM THE 2006 SGR 1900+14 STORM. Astrophysical Journal, 2009, 701, L68-L74.	4.5	45
85	<i>EINSTEIN@HOME</i>DISCOVERY OF 24 PULSARS IN THE PARKES MULTI-BEAM PULSAR SURVEY. Astrophysical Journal, 2013, 774, 93.	4.5	45
86	Cosmic-Stringâ€“Seeded Structure Formation. Physical Review Letters, 1998, 81, 2008-2011.	7.8	43
87	Blandfordâ€™s argument: The strongest continuous gravitational wave signal. Physical Review D, 2008, 78, .	4.7	43
88	TWO LONG-TERM INTERMITTENT PULSARS DISCOVERED IN THE PALFA SURVEY. Astrophysical Journal, 2017, 834, 72.	4.5	43
89	The NINJA-2 project: detecting and characterizing gravitational waveforms modelled using numerical binary black hole simulations. Classical and Quantum Gravity, 2014, 31, 115004.	4.0	42
90	Discovery of a Gamma-Ray Black Widow Pulsar by GPU-accelerated Einstein@Home. Astrophysical Journal Letters, 2020, 902, L46.	8.3	42

#	Article	IF	Citations
91	Long-range effects of cosmic string structure. Physical Review D, 1996, 53, 6829-6841.	4.7	41
92	Search for gravitational-wave bursts in LIGO's third science run. Classical and Quantum Gravity, 2006, 23, S29-S39.	4.0	40
93	TIMING OF FIVE MILLISECOND PULSARS DISCOVERED IN THE PALFA SURVEY. Astrophysical Journal, 2015, 800, 123.	4.5	40
94	Designing a Runtime System for Volunteer Computing. , 2006, , .		39
95	PSR J1838â€"0537: DISCOVERY OF A YOUNG, ENERGETIC GAMMA-RAY PULSAR. Astrophysical Journal Letters, 2012, 755, L20.	8.3	39
96	Einstein@Home All-sky Search for Continuous Gravitational Waves in LIGO O2 Public Data. Astrophysical Journal, 2021, 909, 79.	4.5	39
97	Is the squeezing of relic gravitational waves produced by inflation detectable?. Physical Review D, 1999, 61, .	4.7	38
98	Einstein@Home discovery of the gamma-ray millisecond pulsar PSR J2039â€"5617 confirms its predicted redback nature. Monthly Notices of the Royal Astronomical Society, 2021, 502, 915-934.	4.4	35
99	EINSTEIN@HOME DISCOVERY OF FOUR YOUNG GAMMA-RAY PULSARS IN <i>FERMI</i> LAT DATA. Astrophysical Journal Letters, 2013, 779, L11.	8.3	34
100	Implementation of an $mathcal{F}$-statistic all-sky search for continuous gravitational waves in Virgo VSR1 data. Classical and Quantum Gravity, 2014, 31, 165014.	4.0	34
101	Euclidean Schwarzschild negative mode. Physical Review D, 1984, 30, 1153-1157.	4.7	33
102	Photon and graviton Green's functions on cosmic string space-times. Physical Review D, 1992, 45, 4486-4503.	4.7	32
103	Detecting relic gravitational radiation from string cosmology with LIGO. Physical Review D, 1997, 55, 3260-3264.	4.7	32
104	The SU(5) potential in desitter space. Annals of Physics, 1985, 161, 152-177.	2.8	31
105	Does statistical mechanics equal one-loop quantum field theory?. Physical Review D, 1986, 33, 3640-3644.	4.7	29
106	TWO MILLISECOND PULSARS DISCOVERED BY THE PALFA SURVEY AND A SHAPIRO DELAY MEASUREMENT. Astrophysical Journal, 2012, 757, 89.	4.5	29
107	TIMING AND INTERSTELLAR SCATTERING OF 35 DISTANT PULSARS DISCOVERED IN THE PALFA SURVEY. Astrophysical Journal, 2013, 772, 50.	4.5	28
108	Einstein@Home search for continuous gravitational waves from Cassiopeia A. Physical Review D, 2016, 94, .	4.7	28

#	Article	IF	Citations
109	Search for Continuous Gravitational Waves from the Central Compact Objects in Supernova Remnants Cassiopeia A, Vela Jr., and G347.3â€“0.5. Astrophysical Journal, 2020, 897, 22.	4.5	28
110	Closed-form expression for the gravitational radiation rate from cosmic strings. Physical Review D, 1994, 50, 2496-2518.	4.7	27
111	The status of GEO 600. Classical and Quantum Gravity, 2005, 22, S193-S198.	4.0	27
112	THE BRAKING INDEX OF A RADIO-QUIET GAMMA-RAY PULSAR. Astrophysical Journal Letters, 2016, 832, L15.	8.3	27
113	The Implementation of a Fast-folding Pipeline for Long-period Pulsar Searching in the PALFA Survey. Astrophysical Journal, 2018, 861, 44.	4.5	27
114	Robust statistics for deterministic and stochastic gravitational waves in non-Gaussian noise: Frequentist analyses. Physical Review D, 2002, 65, .	4.7	26
115	Robust statistics for deterministic and stochastic gravitational waves in non-Gaussian noise. II. Bayesian analyses. Physical Review D, 2003, 67, .	4.7	26
116	Astrophysically triggered searches for gravitational waves: status and prospects. Classical and Quantum Gravity, 2008, 25, 114051.	4.0	26
117	Hierarchical follow-up of subthreshold candidates of an all-sky Einstein@Home search for continuous gravitational waves on LIGO sixth science run data. Physical Review D, 2016, 94, .	4.7	26
118	Generation of structure on a cosmic-string network. Physical Review Letters, 1990, 65, 1705-1708.	7.8	25
119	ARECIBO PALFA SURVEY AND EINSTEIN@HOME: BINARY PULSAR DISCOVERY BY VOLUNTEER COMPUTING. Astrophysical Journal Letters, 2011, 732, L1.	8.3	25
120	<i>Einstein@Home</i>DISCOVERY OF A PALFA MILLISECOND PULSAR IN AN ECCENTRIC BINARY ORBIT. Astrophysical Journal, 2015, 806, 140.	4.5	25
121	TIMING OF 29 PULSARS DISCOVERED IN THE PALFA SURVEY. Astrophysical Journal, 2017, 834, 137.	4.5	25
122	COSMIC STRINGS, LOOPS, AND LINEAR GROWTH OF MATTER PERTURBATIONS. International Journal of Modern Physics D, 2002, 11, 61-102.	2.1	24
123	Timing of a young mildly recycled pulsar with a massive white dwarf companion. Monthly Notices of the Royal Astronomical Society, 2014, 437, 1485-1494.	4.4	23
124	First joint search for gravitational-wave bursts in LIGO and GEO 600 data. Classical and Quantum Gravity, 2008, 25, 245008.	4.0	22
125	Detection and Timing of Gamma-Ray Pulsations from the 707 Hz Pulsar J0952â^'0607. Astrophysical Journal, 2019, 883, 42.	4.5	22
126	Analytic results for the gravitational radiation from a class of cosmic string loops. Physical Review D, 1994, 50, 3703-3712.	4.7	21

#	Article	IF	Citations
127	Gravitational radiation from realistic cosmic string loops. Physical Review D, 1995, 52, 4337-4348.	4.7	21
128	Mass Measurements for Two Binary Pulsars Discovered in the PALFA Survey. Astrophysical Journal, 2019, 881, 165.	4.5	21
129	Einstein@Home discovers a radio-quiet gamma-ray millisecond pulsar. Science Advances, 2018, 4, eaao7228.	10.3	20
130	Exploiting Orbital Constraints from Optical Data to Detect Binary Gamma-Ray Pulsars. Astrophysical Journal, 2020, 901, 156.	4.5	20
131	Small-scale structure on a cosmic-string network. Physical Review D, 1991, 43, 3173-3187.	4.7	19
132	Renormalized graviton stress-energy tensor in curved vacuum space-times. Physical Review D, 1988, 38, 1069-1082.	4.7	18
133	Optimal strategies for sinusoidal signal detection. Physical Review D, 2002, 66, .	4.7	18
134	FOUR HIGHLY DISPERSED MILLISECOND PULSARS DISCOVERED IN THE ARECIBO PALFA GALACTIC PLANE SURVEY. Astrophysical Journal, 2012, 757, 90.	4.5	18
135	PSR J1906+0722: AN ELUSIVE GAMMA-RAY PULSAR. Astrophysical Journal Letters, 2015, 809, L2.	8.3	18
136	Kinky structure on strings. Physical Review D, 1991, 43, R2457-R2460.	4.7	17
137	Making h (t) for LIGO. Classical and Quantum Gravity, 2004, 21, S1723-S1735.	4.0	17
138	TIMING OF FIVE PALFA-DISCOVERED MILLISECOND PULSARS. Astrophysical Journal, 2016, 833, 192.	4.5	17
139	Reversing centrifugal forces. Nature, 1990, 347, 615-616.	27.8	16
140	X-RAY OBSERVATIONS OF DISRUPTED RECYCLED PULSARS: NO REFUGE FOR ORPHANED CENTRAL COMPACT OBJECTS. Astrophysical Journal, 2013, 773, 141.	4.5	16
141	ARECIBO PULSAR SURVEY USING ALFA. III. PRECURSOR SURVEY AND POPULATION SYNTHESIS. Astrophysical Journal, 2014, 787, 137.	4.5	16
142	Commissioning, characterization and operation of the dual-recycled GEO 600. Classical and Quantum Gravity, 2004, 21, S1737-S1745.	4.0	15
143	Study of 72 Pulsars Discovered in the PALFA Survey: Timing Analysis, Glitch Activity, Emission Variability, and a Pulsar in an Eccentric Binary. Astrophysical Journal, 2022, 924, 135.	4.5	15
144	Spherical ansatz for parameter-space metrics. Physical Review D, 2019, 100, .	4.7	14

#	Article	IF	Citations
145	Optimal template banks. Physical Review D, 2021, 104, .	4.7	14
146	New Searches for Continuous Gravitational Waves from Seven Fast Pulsars. Astrophysical Journal, 2021, 923, 85.	4.5	14
147	Gravitational lenses as long-baseline gravitational-wave detectors. Physical Review Letters, 1989, 63, 2017-2020.	7.8	13
148	Continuous gravitational waves from isolated Galactic neutron stars in the advanced detector era. Physical Review D, 2012, 86, .	4.7	13
149	Results of an all-sky high-frequency Einstein@Home search for continuous gravitational waves in LIGOâ€™s fifth science run. Physical Review D, 2016, 94, .	4.7	13
150	Massless scalar and antisymmetric tensor fields in de Sitter space. Physical Review D, 1988, 37, 2872-2877.	4.7	12
151	Waveforms for gravitational radiation from cosmic string loops. Physical Review D, 2001, 63, .	4.7	12
152	CBR temperature fluctuations induced by gravitational waves in a spatially closed inflationary universe. Physical Review D, 1995, 51, 1553-1562.	4.7	11
153	Maximally symmetric spin-two bitensors onS3andH3. Physical Review D, 1995, 51, 5491-5497.	4.7	10
154	Closed-form expression for the momentum radiated from cosmic string loops. Physical Review D, 1995, 51, 1546-1552.	4.7	10
155	Time travel on a string. Nature, 1992, 357, 19-21.	27.8	8
156	Towards the first search for a stochastic background in LIGO data: applications of signal simulations. Classical and Quantum Gravity, 2003, 20, S677-S687.	4.0	8
157	Using gravitational lenses to detect gravitational waves. General Relativity and Gravitation, 1990, 22, 1447-1455.	2.0	7
158	CBR anisotropy from inflation-induced gravitational waves in mixed radiation and dust cosmology. Physical Review D, 1995, 52, 1902-1919.	4.7	7
159	Multi-taper Spectral Analysis in Gravitational Wave Data Analysis. General Relativity and Gravitation, 2000, 32, 385-398.	2.0	7
160	Template banks based on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow><mml:mi mathvariant="double-struck">Z</mml:mi></mml:mrow><mml:mrow><mml:mi>n</mml:mi></mml:mrow></mml:msup></mml:mrow></ and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msubsup><mml:mrow><mml:mi>A</mml:mi></mml:mrow><mml:mrow><mml:mi>n</mml:mi></m Physical Review D, 2021, 104, .	4.7	6
161	Gauge independence in Hadamard renormalization. Physical Review D, 1992, 46, 861-864.	4.7	5
162	Upper limits on the strength of periodic gravitational waves from PSR J1939+2134. Classical and Quantum Gravity, 2004, 21, S671-S676.	4.0	4

#	Article	IF	Citations
163	A Virtual Data Grid for LIGO. Lecture Notes in Computer Science, 2001, , 3-12.	1.3	4
164	Performance of random template banks. Physical Review D, 2022, 105, .	4.7	4
165	The Optimal Lattice Quantizer in Nine Dimensions. Annalen Der Physik, 2021, 533, 2100259.	2.4	3
166	Are cosmic strings consistent with COBE data?. New Astronomy Reviews, 1993, 37, 433-438.	0.3	2
167	Gravitational wave stochastic background from cosmological particle decay. Physical Review Research, 2020, 2, .	3.6	2
168	Double Neutron Star Binaries: A â€œForegroundâ€•Source for the Gravitational-Wave Stochastic Background. Progress of Theoretical Physics Supplement, 2011, 190, 316-321.	0.1	1
169	The Nobel Lectures on Gravitational Waves and LIGO. Annalen Der Physik, 2019, 531, 1800442.	2.4	1
170	Gravitons in de sitter space. Lecture Notes in Physics, 1987, , 82-96.	0.7	1
171	Examples of the Vilkovisky-Dewitt effective action in one-loop quantum gravity. Physical Review D, 1992, 45, 4504-4513.	4.7	0
172	From Einstein's general theory of relativity to gravitationalâ€wave astronomy. Annalen Der Physik, 2016, 528, 229-230.	2.4	0