Marco Bazzan

List of Publications by Year
in descending order

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165 papers	52,829 citations	12303 69 h-index	6282 158 g-index
168 all docs	168 docs citations	168 times ranked	17149 citing authors

#	Article	IF	Citations
1	Search for intermediate-mass black hole binaries in the third observing run of Advanced LIGO and Advanced Virgo. Astronomy and Astrophysics, 2022, 659, A84.	2.1	32
2	Calibration of advanced Virgo and reconstruction of the detector strain h(t) during the observing run O3. Classical and Quantum Gravity, 2022, 39, 045006.	1.5	20
3	Constraints on dark photon dark matter using data from LIGOâ€™s and Virgoâ€™s third observing run. Physical Review D, 2022, 105, .	1.6	27
4	Multilayers for directed energy accelerated lightsails. Communications Materials, 2022, 3, .	2.9	4
5	Search for Gravitational Waves Associated with Gamma-Ray Bursts Detected by Fermi and Swift during the LIGOâ€“Virgo Run O3b. Astrophysical Journal, 2022, 928, 186.	1.6	15
6	Search of the early O3 LIGO data for continuous gravitational waves from the Cassiopeia A and Vela Jr. supernova remnants. Physical Review D, 2022, 105, .	1.6	21
7	All-sky, all-frequency directional search for persistent gravitational waves from Advanced LIGOâ€™s and Advanced Virgoâ€™s first three observing runs. Physical Review D, 2022, 105, .	1.6	18
8	Narrowband Searches for Continuous and Long-duration Transient Gravitational Waves from Known Pulsars in the LIGO-Virgo Third Observing Run. Astrophysical Journal, 2022, 932, 133.	1.6	33
9	Dependence of the damage in optical metal/dielectric coatings on the energy of ions in irradiation experiments for space qualification. Scientific Reports, 2021, 11, 3429.	1.6	12
10	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
11	Polaron Trapping and Migration in Iron-Doped Lithium Niobate. Crystals, 2021, 11, 302.	1.0	5
12	All-sky search in early O3 LIGO data for continuous gravitational-wave signals from unknown neutron stars in binary systems. Physical Review D, 2021, 103, .	1.6	43
13	Automated source of squeezed vacuum states driven by finite state machine based software. Review of Scientific Instruments, 2021, 92, 054504.	0.6	3
14	Diving below the Spin-down Limit: Constraints on Gravitational Waves from the Energetic Young Pulsar PSR J0537-6910. Astrophysical Journal Letters, 2021, 913, L27.	3.0	32
15	Population Properties of Compact Objects from the Second LIGOâ€“Virgo Gravitational-Wave Transient Catalog. Astrophysical Journal Letters, 2021, 913, L7.	3.0	514
16	Observation of Gravitational Waves from Two Neutron Starâ€“Black Hole Coalescences. Astrophysical Journal Letters, 2021, 915, L5.	3.0	453
17	Tests of general relativity with binary black holes from the second LIGO-Virgo gravitational-wave transient catalog. Physical Review D, 2021, 103, .	1.6	338
18	Constraints on Cosmic Strings Using Data from the Third Advanced LIGOâ€“Virgo Observing Run. Physical Review Letters, 2021, 126, 241102.	2.9	87

#	Article	IF	Citations
19	GWTC-2: Compact Binary Coalescences Observed by LIGO and Virgo during the First Half of the Third Observing Run. Physical Review X, 2021, 11, .	2.8	1,097
20	Upper limits on the isotropic gravitational-wave background from Advanced LIGO and Advanced Virgoâ€™s third observing run. Physical Review D, 2021, 104, .	1.6	192
21	Search for anisotropic gravitational-wave backgrounds using data from Advanced LIGO and Advanced Virgoâ€™s first three observing runs. Physical Review D, 2021, 104, .	1.6	62
22	Search for Gravitational Waves Associated with Gamma-Ray Bursts Detected by Fermi and Swift during the LIGOâ€“Virgo Run O3a. Astrophysical Journal, 2021, 915, 86.	1.6	20
23	The PLanetary extreme Ultraviolet Spectrometer Project. , 2021, , .		2
24	3D characterization of low optical absorption structures in large crystalline sapphire substrates for gravitational wave detectors. Scientific Reports, 2021, 11, 2654.	1.6	5
25	All-sky search for continuous gravitational waves from isolated neutron stars in the early O3 LIGO data. Physical Review D, 2021, 104, .	1.6	42
26	All-sky search for long-duration gravitational-wave bursts in the third Advanced LIGO and Advanced Virgo run. Physical Review D, 2021, 104, .	1.6	19
27	All-sky search for short gravitational-wave bursts in the third Advanced LIGO and Advanced Virgo run. Physical Review D, 2021, 104, .	1.6	33
28	Search for Lensing Signatures in the Gravitational-Wave Observations from the First Half of LIGOâ€“Virgoâ€™s Third Observing Run. Astrophysical Journal, 2021, 923, 14.	1.6	59
29	The advanced Virgo longitudinal control system for the O2 observing run. Astroparticle Physics, 2020, 116, 102386.	1.9	9
30	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
31	A Joint Fermi-GBM and LIGO/Virgo Analysis of Compact Binary Mergers from the First and Second Gravitational-wave Observing Runs. Astrophysical Journal, 2020, 893, 100.	1.6	12
32	Study and experiment on the alternative technique of frequencyâ€“dependent squeezing generation with EPR entanglement for Virgo. Journal of Physics: Conference Series, 2020, 1468, 012215.	0.3	0
33	GW190521: A Binary Black Hole Merger with a Total Mass of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>150</mml:mn><mml:mtext>â€‰</mml:mtext><mml:mtext>â€‰</mml:mtext><mml:msub><mml:mi mathvariant="normal">M</mml:mi><mml:mo stretchy="false">âŠ™</mml:mo></mml:msub></mml:mrow></mml:math>. Physical Review Letters, 2020, 125, 101102.	2.9	836
34	Quantum Backaction on Kg-Scale Mirrors: Observation of Radiation Pressure Noise in the Advanced Virgo Detector. Physical Review Letters, 2020, 125, 131101.	2.9	35
35	GW190412: Observation of a binary-black-hole coalescence with asymmetric masses. Physical Review D, 2020, 102, .	1.6	394
36	GW190814: Gravitational Waves from the Coalescence of a 23 Solar Mass Black Hole with a 2.6 Solar Mass Compact Object. Astrophysical Journal Letters, 2020, 896, L44.	3.0	1,090

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37	A Simple Method for Photoconductivity Measurement in Lithium Niobate. Crystals, 2020, 10, 461.	1.0	0
38	GW190425: Observation of a Compact Binary Coalescence with Total MassÂâˆ¼Â3.4 M_{âŠ™}. Astrophysical Journal Letters, 2020, 892, L3.	3.0	1,049
39	Model comparison from LIGOâ€“Virgo data on GW170817â€™s binary components and consequences for the merger remnant. Classical and Quantum Gravity, 2020, 37, 045006.	1.5	109
40	A guide to LIGOâ€“Virgo detector noise and extraction of transient gravitational-wave signals. Classical and Quantum Gravity, 2020, 37, 055002.	1.5	188
41	Advanced Virgo Status. Journal of Physics: Conference Series, 2020, 1342, 012010.	0.3	9
42	Optically targeted search for gravitational waves emitted by core-collapse supernovae during the first and second observing runs of advanced LIGO and advanced Virgo. Physical Review D, 2020, 101, .	1.6	69
43	Properties and Astrophysical Implications of the 150 M_{âŠ™} Binary Black Hole Merger GW190521. Astrophysical Journal Letters, 2020, 900, L13.	3.0	406
44	Gravitational-wave Constraints on the Equatorial Ellipticity of Millisecond Pulsars. Astrophysical Journal Letters, 2020, 902, L21.	3.0	65
45	Room-temperature sensing performance of hydrogen using palladium-based film by optical setup. Optica Applicata, 2020, 50, .	0.1	0
46	Narrow-band search for gravitational waves from known pulsars using the second LIGO observing run. Physical Review D, 2019, 99, .	1.6	60
47	Searches for Gravitational Waves from Known Pulsars at Two Harmonics in 2015â€“2017 LIGO Data. Astrophysical Journal, 2019, 879, 10.	1.6	88
48	All-sky search for continuous gravitational waves from isolated neutron stars using Advanced LIGO O2 data. Physical Review D, 2019, 100, .	1.6	102
49	All-sky search for short gravitational-wave bursts in the second Advanced LIGO and Advanced Virgo run. Physical Review D, 2019, 100, .	1.6	54
50	Tests of General Relativity with GW170817. Physical Review Letters, 2019, 123, 011102.	2.9	370
51	Search for Eccentric Binary Black Hole Mergers with Advanced LIGO and Advanced Virgo during Their First and Second Observing Runs. Astrophysical Journal, 2019, 883, 149.	1.6	72
52	Search for intermediate mass black hole binaries in the first and second observing runs of the Advanced LIGO and Virgo network. Physical Review D, 2019, 100, .	1.6	52
53	Search for Subsolar Mass Ultracompact Binaries in Advanced LIGOâ€™s Second Observing Run. Physical Review Letters, 2019, 123, 161102.	2.9	119
54	Binary Black Hole Population Properties Inferred from the First and Second Observing Runs of Advanced LIGO and Advanced Virgo. Astrophysical Journal Letters, 2019, 882, L24.	3.0	566

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55	Directional limits on persistent gravitational waves using data from Advanced LIGOâ€™s first two observing runs. Physical Review D, 2019, 100, .	1.6	52
56	GWTC-1: A Gravitational-Wave Transient Catalog of Compact Binary Mergers Observed by LIGO and Virgo during the First and Second Observing Runs. Physical Review X, 2019, 9, .	2.8	2,022
57	Search for the isotropic stochastic background using data from Advanced LIGOâ€™s second observing run. Physical Review D, 2019, 100, .	1.6	200
58	Time evolution of Symmetry-forbidden Raman lines activated by photorefractivity. Scientific Reports, 2019, 9, 13408.	1.6	1
59	A Standard Siren Measurement of the Hubble Constant from GW170817 without the Electromagnetic Counterpart. Astrophysical Journal Letters, 2019, 871, L13.	3.0	145
60	All-sky search for long-duration gravitational-wave transients in the second Advanced LIGO observing run. Physical Review D, 2019, 99, .	1.6	22
61	A Fermi Gamma-Ray Burst Monitor Search for Electromagnetic Signals Coincident with Gravitational-wave Candidates in Advanced LIGO's First Observing Run. Astrophysical Journal, 2019, 871, 90.	1.6	30
62	Searches for Continuous Gravitational Waves from 15 Supernova Remnants and Fomalhaut b with Advanced LIGO[*]. Astrophysical Journal, 2019, 875, 122.	1.6	61
63	Search for Gravitational Waves from a Long-lived Remnant of the Binary Neutron Star Merger GW170817. Astrophysical Journal, 2019, 875, 160.	1.6	97
64	First Measurement of the Hubble Constant from a Dark Standard Siren using the Dark Energy Survey Galaxies and the LIGO/Virgo Binaryâ€“Black-hole Merger GW170814. Astrophysical Journal Letters, 2019, 876, L7.	3.0	179
65	Low-latency Gravitational-wave Alerts for Multimessenger Astronomy during the Second Advanced LIGO and Virgo Observing Run. Astrophysical Journal, 2019, 875, 161.	1.6	71
66	Gold Nanodisks Plasmonic Array for Hydrogen Sensing at Low Temperature. Sensors, 2019, 19, 647.	2.1	10
67	Search for Transient Gravitational-wave Signals Associated with Magnetar Bursts during Advanced LIGOâ€™s Second Observing Run. Astrophysical Journal, 2019, 874, 163.	1.6	26
68	Constraining the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi></mml:math> -Modeâ€“ <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>g</mml:mi></mml:math> -Mode Tidal Instability with GW170817. Physical Review Letters, 2019, 122, 061104.	2.9	36
69	Tests of general relativity with the binary black hole signals from the LIGO-Virgo catalog GWTC-1. Physical Review D, 2019, 100, .	1.6	470
70	Increasing the Astrophysical Reach of the Advanced Virgo Detector via the Application of Squeezed Vacuum States of Light. Physical Review Letters, 2019, 123, 231108.	2.9	254
71	Search for Gravitational-wave Signals Associated with Gamma-Ray Bursts during the Second Observing Run of Advanced LIGO and Advanced Virgo. Astrophysical Journal, 2019, 886, 75.	1.6	29
72	Search for gravitational waves from Scorpius X-1 in the second Advanced LIGO observing run with an improved hidden Markov model. Physical Review D, 2019, 100, .	1.6	46

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73	Properties of the Binary Neutron Star Merger GW170817. Physical Review X, 2019, 9, .	2.8	728
74	The role of self-trapped excitons in polaronic recombination processes in lithium niobate. Journal of Physics Condensed Matter, 2019, 31, 065701.	0.7	11
75	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
76	GW170817: Implications for the Stochastic Gravitational-Wave Background from Compact Binary Coalescences. Physical Review Letters, 2018, 120, 091101.	2.9	166
77	Tribological properties of TiC/a-C:H nanocomposite coatings prepared via HiPIMS. Applied Surface Science, 2018, 440, 458-466.	3.1	37
78	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
79	The elusive role of Nb_{Li}bound polaron energy in hopping charge transport in Fe: LiNbO₃. Journal of Physics Condensed Matter, 2018, 30, 125701.	0.7	11
80	First Search for Nontensorial Gravitational Waves from Known Pulsars. Physical Review Letters, 2018, 120, 031104.	2.9	68
81	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
82	Search for Subsolar-Mass Ultracompact Binaries in Advanced LIGOâ€™s First Observing Run. Physical Review Letters, 2018, 121, 231103.	2.9	77
83	A polaron approach to photorefractivity in Fe : LiNbO₃. Journal of Physics Communications, 2018, 2, 125003.	0.5	6
84	GW170817: Measurements of Neutron Star Radii and Equation of State. Physical Review Letters, 2018, 121, 161101.	2.9	1,473
85	Calibration of advanced Virgo and reconstruction of the gravitational wave signal h (t) Tj ETQq1 1 0.784314 rgBT /Over	1.5	41
86	Morphological and Functional Modifications of Optical Thin Films for Space Applications Irradiated with Low-Energy Helium Ions. ACS Applied Materials & Interfaces, 2018, 10, 34781-34791.	4.0	17
87	Status of Advanced Virgo. EPJ Web of Conferences, 2018, 182, 02003.	0.1	9
88	Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background. Physical Review Letters, 2018, 120, 201102.	2.9	85
89	Full band all-sky search for periodic gravitational waves in the O1 LIGO data. Physical Review D, 2018, 97, .	1.6	46
90	Constraints on cosmic strings using data from the first Advanced LIGO observing run. Physical Review D, 2018, 97, .	1.6	88

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91	Efficient second harmonic generation with compact design: double-pass and cavity configurations. Laser Physics, 2018, 28, 115401.	0.6	1
92	Small Polaron Hopping in Fe:LiNbO3 as a Function of Temperature and Composition. Crystals, 2018, 8, 294.	1.0	14
93	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. , 2018, 21, 1.		2
94	All-sky search for short gravitational-wave bursts in the first Advanced LIGO run. Physical Review D, 2017, 95, .	1.6	69
95	Effects of waveform model systematics on the interpretation of GW150914. Classical and Quantum Gravity, 2017, 34, 104002.	1.5	98
96	A study of the brightest peaks in the diffraction pattern of Fibonacci gratings. Journal of Optics (United Kingdom), 2017, 19, 055613.	1.0	4
97	In situ real-time investigation of hydrogen-induced structural and optical changes in palladium thin films. Journal of Alloys and Compounds, 2017, 704, 303-310.	2.8	8
98	Upper Limits on the Stochastic Gravitational-Wave Background from Advanced LIGOâ€™s First Observing Run. Physical Review Letters, 2017, 118, 121101.	2.9	194
99	Directional Limits on Persistent Gravitational Waves from Advanced LIGOâ€™s First Observing Run. Physical Review Letters, 2017, 118, 121102.	2.9	84
100	First Search for Gravitational Waves from Known Pulsars with Advanced LIGO. Astrophysical Journal, 2017, 839, 12.	1.6	131
101	The basic physics of the binary black hole merger GW150914. Annalen Der Physik, 2017, 529, 1600209.	0.9	69
102	GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence. Physical Review Letters, 2017, 119, 141101.	2.9	1,600
103	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
104	GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. Physical Review Letters, 2017, 119, 161101.	2.9	6,413
105	Multi-messenger Observations of a Binary Neutron Star Merger[*]. Astrophysical Journal Letters, 2017, 848, L12.	3.0	2,805
106	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
107	Search for intermediate mass black hole binaries in the first observing run of Advanced LIGO. Physical Review D, 2017, 96, .	1.6	73
108	All-sky search for periodic gravitational waves in the O1 LIGO data. Physical Review D, 2017, 96, .	1.6	64

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109	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
110	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
111	Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated withÂGW170817. Astrophysical Journal Letters, 2017, 850, L39.	3.0	156
112	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
113	Photorefractive Lithium Niobate crystals: light polarisation rotation highlighted by transmission Raman spectroscopy. Journal of Physics: Conference Series, 2017, 867, 012035.	0.3	0
114	Search for continuous gravitational waves from neutron stars in globular cluster NGC 6544. Physical Review D, 2017, 95, .	1.6	19
115	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
116	Status of the Advanced Virgo gravitational wave detector. International Journal of Modern Physics A, 2017, 32, 1744003.	0.5	6
117	First narrow-band search for continuous gravitational waves from known pulsars in advanced detector data. Physical Review D, 2017, 96, .	1.6	47
118	First low-frequency Einstein@Home all-sky search for continuous gravitational waves in Advanced LIGO data. Physical Review D, 2017, 96, .	1.6	60
119	On the Progenitor of Binary Neutron Star Merger GW170817. Astrophysical Journal Letters, 2017, 850, L40.	3.0	73
120	GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. Astrophysical Journal Letters, 2017, 851, L35.	3.0	968
121	Advanced Virgo Status. , 2017, , .		0
122	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. Classical and Quantum Gravity, 2016, 33, 134001.	1.5	225
123	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
124	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. Living Reviews in Relativity, 2016, 19, 1.	8.2	427
125	Improved Analysis of GW150914 Using a Fully Spin-Precessing Waveform Model. Physical Review X, 2016, 6, .	2.8	106
126	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

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127	THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914. Astrophysical Journal Letters, 2016, 833, L1.	3.0	230
128	Equivalence classes of Fibonacci lattices and their similarity properties. Physical Review A, 2016, 94, .	1.0	3
129	LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. Astrophysical Journal Letters, 2016, 826, L13.	3.0	210
130	Comprehensive all-sky search for periodic gravitational waves in the sixth science run LIGO data. Physical Review D, 2016, 94, .	1.6	35
131	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
132	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
133	Directly comparing GW150914 with numerical solutions of Einsteinâ€™s equations for binary black hole coalescence. Physical Review D, 2016, 94, .	1.6	102
134	All-sky search for long-duration gravitational wave transients with initial LIGO. Physical Review D, 2016, 93, .	1.6	29
135	GW150914: First results from the search for binary black hole coalescence with Advanced LIGO. Physical Review D, 2016, 93, .	1.6	315
136	GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes. Physical Review Letters, 2016, 116, 131102.	2.9	269
137	GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. Physical Review Letters, 2016, 116, 131103.	2.9	466
138	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
139	Observing gravitational-wave transient GW150914 with minimal assumptions. Physical Review D, 2016, 93, .	1.6	119
140	Tests of General Relativity with GW150914. Physical Review Letters, 2016, 116, 221101.	2.9	1,224
141	Properties of the Binary Black Hole Merger GW150914. Physical Review Letters, 2016, 116, 241102.	2.9	673
142	GW151226: Observation of Gravitational Waves from a 22-Solar-Mass Binary Black Hole Coalescence. Physical Review Letters, 2016, 116, 241103.	2.9	2,701
143	Binary Black Hole Mergers in the First Advanced LIGO Observing Run. Physical Review X, 2016, 6, .	2.8	898
144	ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. Astrophysical Journal Letters, 2016, 818, L22.	3.0	633

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145	Observation of Gravitational Waves from a Binary Black Hole Merger. Physical Review Letters, 2016, 116, 061102.	2.9	8,753
146	Preface to Special Topic: Lithium Niobate Properties and Applications: Reviews of Emerging Trends. Applied Physics Reviews, 2015, 2, .	5.5	16
147	Optical waveguides in lithium niobate: Recent developments and applications. Applied Physics Reviews, 2015, 2, .	5.5	197
148	Polaronic deformation at the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mtext>Fe</mml:mtext><mml:mrow><mml:mn>2</mml:mn> site in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mtext>Fe:LiNbO</mml:mtext><mml:mn>3</mml:mn></mml: Physical Review B, 2015, 91, .	1.1	33
149	Photorefractive effect at 775â€‰nm in doped lithium niobate crystals. Applied Physics Letters, 2013, 103, 031904.	1.5	7
150	Raman frequency shift induced by photorefractive effect on Feâ€“doped lithium niobate. Journal of Applied Physics, 2013, 114, 163506.	1.1	8
151	Quantification of Iron (Fe) in Lithium Niobate by Optical Absorption. Applied Spectroscopy, 2011, 65, 216-220.	1.2	20
152	Diffusion of iron in lithium niobate: a secondary ion mass spectrometry study. Applied Physics A: Materials Science and Processing, 2011, 105, 111-118.	1.1	3
153	Lithium niobate crystals doped with iron by thermal diffusion: Relation between lattice deformation and reduction degree. Journal of Applied Physics, 2010, 107, .	1.1	11
154	Micro-Raman analysis of Fe-diffused lithium niobate waveguides. Applied Physics B: Lasers and Optics, 2010, 101, 541-546.	1.1	15
155	Structural and optical properties of zirconium doped lithium niobate crystals. Journal of Applied Physics, 2010, 108, 093508.	1.1	30
156	Solitonic waveguide laser in erbium doped lithium niobate. , 2009, , .		0
157	Depth Resolved Study of the Composition and Polaron Luminescence of Fe:LiNbO₃Diffused Crystals. Ferroelectrics, 2009, 389, 142-152.	0.3	0
158	Raman Investigation of Fe inâ€”Diffused Photorefractive Waveguides on Lithium Niobate Substrates. Ferroelectrics, 2009, 390, 3-9.	0.3	2
159	Optical characterization of erbium doped LiNbO3 poling properties. Journal of Applied Physics, 2008, 104, 014103.	1.1	1
160	High Resolution X-Ray Characterization of Sub-Micron Periodic Domain Structures in Lithium Niobate Crystals. Ferroelectrics, 2007, 352, 25-34.	0.3	6
161	Refractive Index Modulation in Periodically Poled Lithium Niobate Crystals. Ferroelectrics, 2007, 352, 125-133.	0.3	2
162	A Novel Configuration for Phase-Matched Second-Harmonic Generation in LiNbO$_3$ Waveguides. IEEE Photonics Technology Letters, 2007, 19, 553-555.	1.3	3

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163	Phase-matched SHG in periodically poled LiNbO3 waveguides: A novel configuration. Optical and Quantum Electronics, 2007, 38, 889-901.	1.5	2
164	Modeling and Characterization of Border Domain Effects in Periodically Poled Lithium Niobate Crystals Grown by the Off-center Czochralski Technique. Optical and Quantum Electronics, 2006, 38, 177-185.	1.5	7
165	Prediction of second harmonic generation efficiency in real periodically poled lithium niobate structures grown by the off-center czochralski technique. , 0, , .		0