Livia Conti

List of Publications by Year in Descending Order

176 papers	36,083 citations	63 h-index	187 g-index
187 ext. papers	45,329 ext. citations	5.8 avg, IF	4.93 L-index

#	Paper	IF	Citations
176	Calibration of advanced Virgo and reconstruction of the detector strain h(t) during the observing run O3. *Classical and Quantum Gravity*, **2022**, 39, 045006	3.3	2
175	CMB Experiments and GravitationalWaves **2022**, 243-281		
174	CMB Experiments and Gravitational Waves **2021**, 1-39		
173	A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. *Astrophysical Journal*, **2021**, 909, 218	4.7	46
172	Automated source of squeezed vacuum states driven by finite state machine based software. *Review of Scientific Instruments*, **2021**, 92, 054504	1.7	1
171	Population Properties of Compact Objects from the Second LIGOVirgo Gravitational-Wave Transient Catalog. *Astrophysical Journal Letters*, **2021**, 913, L7	7.9	194
170	Tests of general relativity with binary black holes from the second LIGO-Virgo gravitational-wave transient catalog. *Physical Review D*, **2021**, 103,	4.9	81
169	GWTC-2: Compact Binary Coalescences Observed by LIGO and Virgo during the First Half of the Third Observing Run. *Physical Review X*, **2021**, 11,	9.1	311
168	Search for Gravitational Waves Associated with Gamma-Ray Bursts Detected by Fermi and Swift during the LIGOVirgo Run O3a. *Astrophysical Journal*, **2021**, 915, 86	4.7	6
167	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	7.9	571
166	GW190425: Observation of a Compact Binary Coalescence with Total Mass ~ 3.4 M ?. *Astrophysical Journal Letters*, **2020**, 892, L3	7.9	591
165	Model comparison from LIGOVirgo data on GW170817 binary components and consequences for the merger remnant. *Classical and Quantum Gravity*, **2020**, 37, 045006	3.3	69
164	A guide to LIGOVirgo detector noise and extraction of transient gravitational-wave signals. *Classical and Quantum Gravity*, **2020**, 37, 055002	3.3	78
163	Advanced Virgo Status. *Journal of Physics: Conference Series*, **2020**, 1342, 012010	0.3	8
162	Possible nonequilibrium imprint in the cosmic background at low frequencies. *Physical Review Research*, **2020**, 2,	3.9	7
161	Properties and Astrophysical Implications of the 150 M ? Binary Black Hole Merger GW190521. *Astrophysical Journal Letters*, **2020**, 900, L13	7.9	207
160	Gravitational-wave Constraints on the Equatorial Ellipticity of Millisecond Pulsars. *Astrophysical Journal Letters*, **2020**, 902, L21	7.9	32

159	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. *Living Reviews in Relativity*, **2020**, 23, 3	32.5	144
158	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	4.7	9
157	GW190521: A Binary Black Hole Merger with a Total Mass of 150 M_{?}. *Physical Review Letters*, **2020**, 125, 101102	7.4	420
156	Quantum Backaction on kg-Scale Mirrors: Observation of Radiation Pressure Noise in the Advanced Virgo Detector. *Physical Review Letters*, **2020**, 125, 131101	7.4	17
155	GW190412: Observation of a binary-black-hole coalescence with asymmetric masses. *Physical Review D*, **2020**, 102,	4.9	212
154	The advanced Virgo longitudinal control system for the O2 observing run. *Astroparticle Physics*, **2020**, 116, 102386	2.4	7
153	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,	4.9	36
152	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	7.9	381
151	Directional limits on persistent gravitational waves using data from Advanced LIGO's first two observing runs. *Physical Review D*, **2019**, 100,	4.9	31
150	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,	9.1	1169
149	Search for the isotropic stochastic background using data from Advanced LIGO's second observing run. *Physical Review D*, **2019**, 100,	4.9	117
148	A Standard Siren Measurement of the Hubble Constant from GW170817 without the Electromagnetic Counterpart. *Astrophysical Journal Letters*, **2019**, 871, L13	7.9	77
147	All-sky search for long-duration gravitational-wave transients in the second Advanced LIGO observing run. *Physical Review D*, **2019**, 99,	4.9	17
146	Search for Multimessenger Sources of Gravitational Waves and High-energy Neutrinos with Advanced LIGO during Its First Observing Run, ANTARES, and IceCube. *Astrophysical Journal*, **2019**, 870, 134	4.7	23
145	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	4.7	22
144	Searches for Continuous Gravitational Waves from 15 Supernova Remnants and Fomalhaut b with Advanced LIGO. *Astrophysical Journal*, **2019**, 875, 122	4.7	45
143	Search for Gravitational Waves from a Long-lived Remnant of the Binary Neutron Star Merger GW170817. *Astrophysical Journal*, **2019**, 875, 160	4.7	60
142	First Measurement of the Hubble Constant from a Dark Standard Siren using the Dark Energy Survey Galaxies and the LIGO/Virgo Binary–Black-hole Merger GW170814. *Astrophysical Journal Letters*, **2019**, 876, L7	7.9	91

141	Low-latency Gravitational-wave Alerts for Multimessenger Astronomy during the Second Advanced LIGO and Virgo Observing Run. *Astrophysical Journal*, **2019**, 875, 161	4.7	49
140	Search for Transient Gravitational-wave Signals Associated with Magnetar Bursts during Advanced LIGO's Second Observing Run. *Astrophysical Journal*, **2019**, 874, 163	4.7	17
139	Narrow-band search for gravitational waves from known pulsars using the second LIGO observing run. *Physical Review D*, **2019**, 99,	4.9	43
138	Searches for Gravitational Waves from Known Pulsars at Two Harmonics in 2015–2017 LIGO Data. *Astrophysical Journal*, **2019**, 879, 10	4.7	63
137	All-sky search for continuous gravitational waves from isolated neutron stars using Advanced LIGO O2 data. *Physical Review D*, **2019**, 100,	4.9	81
136	All-sky search for short gravitational-wave bursts in the second Advanced LIGO and Advanced Virgo run. *Physical Review D*, **2019**, 100,	4.9	39
135	Tests of General Relativity with GW170817. *Physical Review Letters*, **2019**, 123, 011102	7.4	204
134	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	4.7	36
133	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,	4.9	39
132	Search for Subsolar Mass Ultracompact Binaries in Advanced LIGO's Second Observing Run. *Physical Review Letters*, **2019**, 123, 161102	7.4	68
131	Constraining the p-Mode-g-Mode Tidal Instability with GW170817. *Physical Review Letters*, **2019**, 122, 061104	7.4	22
130	Tests of general relativity with the binary black hole signals from the LIGO-Virgo catalog GWTC-1. *Physical Review D*, **2019**, 100,	4.9	258
129	Increasing the Astrophysical Reach of the Advanced Virgo Detector via the Application of Squeezed Vacuum States of Light. *Physical Review Letters*, **2019**, 123, 231108	7.4	134
128	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	4.7	21
127	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,	4.9	31
126	Properties of the Binary Neutron Star Merger GW170817. *Physical Review X*, **2019**, 9,	9.1	423
125	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	3.3	62
124	GW170817: Implications for the Stochastic Gravitational-Wave Background from Compact Binary Coalescences. *Physical Review Letters*, **2018**, 120, 091101	7.4	120

123	All-sky search for long-duration gravitational wave transients in the first Advanced LIGO observing run. *Classical and Quantum Gravity*, **2018**, 35, 065009	3.3	12
122	First Search for Nontensorial Gravitational Waves from Known Pulsars. *Physical Review Letters*, **2018**, 120, 031104	7.4	50
121	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. *Living Reviews in Relativity*, **2018**, 21, 3	32.5	543
120	Full band all-sky search for periodic gravitational waves in the O1 LIGO data. *Physical Review D*, **2018**, 97,	4.9	37
119	Constraints on cosmic strings using data from the first Advanced LIGO observing run. *Physical Review D*, **2018**, 97,	4.9	60
118	Efficient second harmonic generation with compact design: double-pass and cavity configurations. *Laser Physics*, **2018**, 28, 115401	1.2	1
117	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA **2018**, 21, 1		2
116	Search for Subsolar-Mass Ultracompact Binaries in Advanced LIGO's First Observing Run. *Physical Review Letters*, **2018**, 121, 231103	7.4	49
115	GW170817: Measurements of Neutron Star Radii and Equation of State. *Physical Review Letters*, **2018**, 121, 161101	7.4	867
114	Calibration of advanced Virgo and reconstruction of the gravitational wave signal h (t) during the observing run O2. *Classical and Quantum Gravity*, **2018**, 35, 205004	3.3	35
113	Status of Advanced Virgo. *EPJ Web of Conferences*, **2018**, 182, 02003	0.3	4
112	Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background. *Physical Review Letters*, **2018**, 120, 201102	7.4	60
111	All-sky search for short gravitational-wave bursts in the first Advanced LIGO run. *Physical Review D*, **2017**, 95,	4.9	54
110	Effects of waveform model systematics on the interpretation of GW150914. *Classical and Quantum Gravity*, **2017**, 34, 104002	3.3	74
109	Upper Limits on the Stochastic Gravitational-Wave Background from Advanced LIGO's First Observing Run. *Physical Review Letters*, **2017**, 118, 121101	7.4	137
108	Directional Limits on Persistent Gravitational Waves from Advanced LIGO's First Observing Run. *Physical Review Letters*, **2017**, 118, 121102	7.4	65
107	First Search for Gravitational Waves from Known Pulsars with Advanced LIGO. *Astrophysical Journal* , **2017**, 839, 12	4.7	107
106	The basic physics of the binary black hole merger GW150914. *Annalen Der Physik*, **2017**, 529, 1600209	2.6	45

105	GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence. *Physical Review Letters*, **2017**, 119, 141101	7.4	1270
104	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	4.7	35
103	A gravitational-wave standard siren measurement of the Hubble constant. *Nature*, **2017**, 551, 85-88	50.4	413
102	GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. *Physical Review Letters*, **2017**, 119, 161101	7.4	4272
101	Multi-messenger Observations of a Binary Neutron Star Merger. *Astrophysical Journal Letters*, **2017**, 848, L12	7.9	1935
100	Gravitational Waves and Gamma-Rays from a Binary Neutron Star Merger: GW170817 and GRB 170817A. *Astrophysical Journal Letters*, **2017**, 848, L13	7.9	1614
99	Search for intermediate mass black hole binaries in the first observing run of Advanced LIGO. *Physical Review D*, **2017**, 96,	4.9	64
98	All-sky search for periodic gravitational waves in the O1 LIGO data. *Physical Review D*, **2017**, 96,	4.9	54
97	Search for an Ultralight Scalar Dark Matter Candidate with the AURIGA Detector. *Physical Review Letters*, **2017**, 118, 021302	7.4	19
96	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	4.7	42
95	Search for high-energy neutrinos from gravitational wave event GW151226 and candidate LVT151012 with ANTARES and IceCube. *Physical Review D*, **2017**, 96,	4.9	32
94	Search for Post-merger Gravitational Waves from the Remnant of the Binary Neutron Star Merger GW170817. *Astrophysical Journal Letters*, **2017**, 851, L16	7.9	133
93	Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated with GW170817. *Astrophysical Journal Letters*, **2017**, 850, L39	7.9	127
92	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	7.9	104
91	GW170104: Observation of a 50-Solar-Mass Binary Black Hole Coalescence at Redshift 0.2. *Physical Review Letters*, **2017**, 118, 221101	7.4	1609
90	Search for continuous gravitational waves from neutron stars in globular cluster NGC 6544. *Physical Review D*, **2017**, 95,	4.9	14
89	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,	4.9	47
88	Status of the Advanced Virgo gravitational wave detector. *International Journal of Modern Physics A* , **2017**, 32, 1744003	1.2	5

87	First narrow-band search for continuous gravitational waves from known pulsars in advanced detector data. *Physical Review D*, **2017**, 96,	4.9	39
86	First low-frequency Einstein@Home all-sky search for continuous gravitational waves in Advanced LIGO data. *Physical Review D*, **2017**, 96,	4.9	54
85	On the Progenitor of Binary Neutron Star Merger GW170817. *Astrophysical Journal Letters*, **2017**, 850, L40	7.9	50
84	GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. *Astrophysical Journal Letters*, **2017**, 851, L35	7.9	809
83	LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. *Astrophysical Journal Letters*, **2016**, 826, L13	7.9	183
82	Comprehensive all-sky search for periodic gravitational waves in the sixth science run LIGO data. *Physical Review D*, **2016**, 94,	4.9	28
81	First targeted search for gravitational-wave bursts from core-collapse supernovae in data of first-generation laser interferometer detectors. *Physical Review D*, **2016**, 94,	4.9	43
80	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	7.9	130
79	Directly comparing GW150914 with numerical solutions of Einstein's equations for binary black hole coalescence. *Physical Review D*, **2016**, 94,	4.9	76
78	All-sky search for long-duration gravitational wave transients with initial LIGO. *Physical Review D*, **2016**, 93,	4.9	27
77	Search of the Orion spur for continuous gravitational waves using a loosely coherent algorithm on data from LIGO interferometers. *Physical Review D*, **2016**, 93,	4.9	14
76	First low frequency all-sky search for continuous gravitational wave signals. *Physical Review D*, **2016**, 93,	4.9	29
75	GW150914: First results from the search for binary black hole coalescence with Advanced LIGO. *Physical Review D*, **2016**, 93,	4.9	253
74	Search for transient gravitational waves in coincidence with short-duration radio transients during 2007–2013. *Physical Review D*, **2016**, 93,	4.9	10
73	High-energy neutrino follow-up search of gravitational wave event GW150914 with ANTARES and IceCube. *Physical Review D*, **2016**, 93,	4.9	80
72	GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes. *Physical Review Letters*, **2016**, 116, 131102	7.4	188
71	GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. *Physical Review Letters*, **2016**, 116, 131103	7.4	328
70	SUPPLEMENT: "LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914" (2016, ApJL, 826, L13). *Astrophysical Journal, Supplement Series*, **2016**, 225, 8	8	38

69	Observing gravitational-wave transient GW150914 with minimal assumptions. *Physical Review D*, **2016**, 93,	4.9	94
68	Tests of General Relativity with GW150914. *Physical Review Letters*, **2016**, 116, 221101	7.4	837
67	Properties of the Binary Black Hole Merger GW150914. *Physical Review Letters*, **2016**, 116, 241102	7.4	515
66	GW151226: Observation of Gravitational Waves from a 22-Solar-Mass Binary Black Hole Coalescence. *Physical Review Letters*, **2016**, 116, 241103	7.4	2136
65	Binary Black Hole Mergers in the First Advanced LIGO Observing Run. *Physical Review X*, **2016**, 6,	9.1	723
64	ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. *Astrophysical Journal Letters*, **2016**, 818, L22	7.9	512
63	Observation of Gravitational Waves from a Binary Black Hole Merger. *Physical Review Letters*, **2016**, 116, 061102	7.4	6108
62	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. *Classical and Quantum Gravity*, **2016**, 33,	3.3	155
61	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	8	52
60	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. *Living Reviews in Relativity*, **2016**, 19, 1	32.5	393
59	Improved Analysis of GW150914 Using a Fully Spin-Precessing Waveform Model. *Physical Review X*, **2016**, 6,	9.1	89
58	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,	4.9	29
57	THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914. *Astrophysical Journal Letters*, **2016**, 833, L1	7.9	209
56	Low loss single-crystal silicon mechanical resonators for the investigation of thermal noise statistical properties. *Sensors and Actuators A: Physical*, **2015**, 227, 48-54	3.9	2
55	Energy repartition for a harmonic chain with local reservoirs. *Physical Review E*, **2015**, 92, 022129	2.4	14
54	Statistical distribution of bonding distances in a unidimensional solid. *Physica A: Statistical Mechanics and Its Applications*, **2014**, 412, 19-31	3.3	2
53	Thermal noise of mechanical oscillators in steady states with a heat flux. *Physical Review E*, **2014**, 90, 032119	2.4	2
52	Selective Coating Deposition on High-Q Single-crystal Silicon Resonators for the Investigation of Thermal Noise Statistical Properties. *Procedia Engineering*, **2014**, 87, 1485-1488		2

51	Investigation on Planck scale physics by the AURIGA gravitational bar detector. *New Journal of Physics*, **2014**, 16, 085012	2.9	16
50	Gravitational bar detectors set limits to Planck-scale physics on macroscopic variables. *Nature Physics*, **2013**, 9, 71-73	16.2	76
49	Effects of breaking vibrational energy equipartition on measurements of temperature in macroscopic oscillators subject to heat flux. *Journal of Statistical Mechanics: Theory and Experiment*, **2013**, 2013, P12003	1.9	23
48	Elasticity of mechanical oscillators in nonequilibrium steady states: experimental, numerical, and theoretical results. *Physical Review E*, **2012**, 85, 066605	2.4	11
47	A vibration-free, thermally controlled setup for mechanical thermal noise measurements. *EPJ Applied Physics*, **2012**, 57, 21001	1.1	1
46	One-dimensional models and thermomechanical properties of solids. *Physical Review B*, **2011**, 84,	3.3	9
45	Wideband mechanical response of a high-Qsilicon double-paddle oscillator. *Journal of Micromechanics and Microengineering*, **2011**, 21, 065019	2	18
44	A compact, passive setup for low vibration noise measurements in the frequency band (300-2000) Hz. *Review of Scientific Instruments*, **2010**, 81, 035115	1.7	4
43	RareNoise: non-equilibrium effects in detectors of gravitational waves. *Classical and Quantum Gravity*, **2010**, 27, 084032	3.3	12
42	IGEC2: A 17-month search for gravitational wave bursts in 2005–2007. *Physical Review D*, **2010**, 82,	4.9	17
41	Nonequilibrium steady-state fluctuations in actively cooled resonators. *Physical Review Letters*, **2009**, 103, 010601	7.4	52
40	Harmonic damped oscillators with feedback: a Langevin study. *Journal of Statistical Mechanics: Theory and Experiment*, **2009**, 2009, P10016	1.9	7
39	Loss budget of a setup for measuring mechanical dissipations of silicon wafers between 300 and 4 K. *Review of Scientific Instruments*, **2008**, 79, 033901	1.7	13
38	First joint gravitational wave search by the AURIGA–EXPLORER–NAUTILUS–Virgo Collaboration. *Classical and Quantum Gravity*, **2008**, 25, 205007	3.3	11
37	A cross-correlation method to search for gravitational wave bursts with AURIGA and Virgo. *Classical and Quantum Gravity*, **2008**, 25, 114046	3.3	
36	Feedback cooling of the normal modes of a massive electromechanical system to submillikelvin temperature. *Physical Review Letters*, **2008**, 101, 033601	7.4	51
35	Low temperature mechanical dissipation measurements of silicon and silicon carbide as candidate material for DUAL detector. *Journal of Physics: Conference Series*, **2008**, 122, 012030	0.3	
34	Results of the IGEC-2 search for gravitational wave bursts during 2005. *Physical Review D*, **2007**, 76,	4.9	45

33	Optical metrology for massive detectors of gravitational waves. *Optics and Lasers in Engineering*, **2007**, 45, 471-477	4.6	1
32	Principles of wide bandwidth acoustic detectors and the single-mass dual detector. *Physical Review D*, **2006**, 74,	4.9	18
31	Application of sapphire bonding for suspension of cryogenic mirrors. *Journal of Physics: Conference Series*, **2006**, 32, 309-314	0.3	9
30	Wide bandwidth dual acoustic gravitational wave detectors. *Nuclear Physics, Section B, Proceedings Supplements*, **2005**, 138, 443-445		
29	New suspension system for the gravitational wave bar detector AURIGA. *Review of Scientific Instruments*, **2005**, 76, 084502	1.7	6
28	3-Mode Detection for Widening the Bandwidth of Resonant Gravitational Wave Detectors. *Physical Review Letters*, **2005**, 94,	7.4	51
27	Upper limits on gravitational-wave emission in association with the 27 Dec 2004 giant flare of SGR1806-20. *Physical Review Letters*, **2005**, 95, 081103	7.4	18
26	APPLICATION OF SAPPHIRE BONDING FOR INTERFEROMETRIC GRAVITATIONAL WAVE DETECTOR WITH CRYOGENIC MIRRORS. *International Journal of Modern Physics A*, **2005**, 20, 7060-7062	1.2	1
25	An optical readout scheme for advanced acoustic GW detectors. *Classical and Quantum Gravity*, **2004**, 21, S1237-S1240	3.3	2
24	Wide bandwidth dual acoustic gravitational wave detectors. *Classical and Quantum Gravity*, **2004**, 21, S1155-S1159	3.3	9
23	The AURIGA second scientific run and the dual detector of gravitational waves. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2004**, 518, 236-239	1.2	
22	A folded Fabry–Perot cavity for optical sensing in gravitational wave detectors. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2003**, 309, 15-23	2.3	16
21	High-spectral-purity laser system for the AURIGA detector optical readout. *Journal of the Optical Society of America B: Optical Physics*, **2003**, 20, 462	1.7	17
20	Room temperature gravitational wave bar detector with optomechanical readout. *Journal of Applied Physics*, **2003**, 93, 3589-3595	2.5	24
19	Methods and results of the IGEC search for burst gravitational waves in the years 1997–2000. *Physical Review D*, **2003**, 68,	4.9	69
18	Thermal and back-action noises in dual-sphere gravitational-wave detectors. *Physical Review D*, **2003**, 67,	4.9	29
17	Selective readout and back-action reduction for wideband acoustic gravitational wave detectors. *Physical Review D*, **2003**, 68,	4.9	28
16	Experimental measurement of the dynamic photothermal effect in Fabry-Perot cavities for gravitational wave detectors. *Physical Review Letters*, **2002**, 89, 237402	7.4	29

15	First room temperature operation of the AURIGA optical readout. *Classical and Quantum Gravity*, **2002**, 19, 1919-1924	3.3	14
14	Search for gravitational wave bursts by the network of resonant detectors. *Classical and Quantum Gravity*, **2002**, 19, 1367-1375	3.3	8
13	Status report and near future prospects for the gravitational wave detector AURIGA. *Classical and Quantum Gravity*, **2002**, 19, 1925-1933	3.3	31
12	A wideband and sensitive GW detector for kHz frequencies: the dual sphere. *Classical and Quantum Gravity*, **2002**, 19, 2013-2019	3.3	3
11	Advanced Readout Configurations for the Gravitational Wave Detector AURIGA **2002**, 317-331		
10	Electro-optical signal readout for gravitational waves resonant detectors. *AIP Conference Proceedings*, **2001**,	0	1
9	Thermoelastic effects at low temperatures and quantum limits in displacement measurements. *Physical Review D*, **2001**, 63,	4.9	70
8	Wideband dual sphere detector of gravitational waves. *Physical Review Letters*, **2001**, 87, 031101	7.4	64
7	Resonant detectors for gravitational waves. *Advances in Space Research*, **2000**, 25, 1171-1176	2.4	
6	Status report of the gravitational wave detector AURIGA. *AIP Conference Proceedings*, **2000**,	0	3
5	INITIAL OPERATION OF THE INTERNATIONAL GRAVITATIONAL EVENT COLLABORATION. *International Journal of Modern Physics D*, **2000**, 09, 237-245	2.2	17
4	First search for gravitational wave bursts with a network of detectors. *Physical Review Letters*, **2000** , 85, 5046-50	7.4	78
3	Low-Amplitude-Noise Laser for AURIGA Detector Optical Readout. *Applied Optics*, **2000**, 39, 5732-8	1.7	15
2	The gravitational wave burst observatory: Present state and future perspectives. *Nuclear Physics, Section B, Proceedings Supplements*, **1999**, 70, 537-544		2
1	Optical transduction chain for gravitational wave bar detectors. *Review of Scientific Instruments*, **1998**, 69, 554-558	1.7	21