Ettore Majorana

List of Publications by Year
in descending order

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167	11,041	94269 37	29081 104
papers	citations	h-index	g-index

167	167	167	5984
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Advanced Virgo: a second-generation interferometric gravitational wave detector. Classical and Quantum Gravity, 2015, 32, 024001.	1.5	2,530
2	The Einstein Telescope: a third-generation gravitational wave observatory. Classical and Quantum Gravity, 2010, 27, 194002.	1.5	1,211
3	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
4	Sensitivity studies for third-generation gravitational wave observatories. Classical and Quantum Gravity, 2011, 28, 094013.	1.5	644
5	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
6	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. Living Reviews in Relativity, 2016, 19, 1.	8.2	427
7	Scientific objectives of Einstein Telescope. Classical and Quantum Gravity, 2012, 29, 124013.	1.5	355
8	The third generation of gravitational wave observatories and their science reach. Classical and Quantum Gravity, 2010, 27, 084007.	1.5	287
9	Virgo: a laser interferometer to detect gravitational waves. Journal of Instrumentation, 2012, 7, P03012-P03012.	0.5	257
10	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
11	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. Classical and Quantum Gravity, 2016, 33, 134001.	1.5	225
12	The Virgo status. Classical and Quantum Gravity, 2006, 23, S635-S642.	1.5	179
13	Status of the Virgo project. Classical and Quantum Gravity, 2011, 28, 114002.	1.5	171
14	Status of Virgo. Classical and Quantum Gravity, 2008, 25, 114045.	1.5	148
15	A Standard Siren Measurement of the Hubble Constant from GW170817 without the Electromagnetic Counterpart. Astrophysical Journal Letters, 2019, 871, L13.	3.0	145
16	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
17	Long-term operation of the Rome "Explorer" cryogenic gravitational wave detector. Physical Review D, 1993, 47, 362-375.	1.6	130
18	Virgo status. Classical and Quantum Gravity, 2008, 25, 184001.	1.5	116

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19	SEARCH FOR GRAVITATIONAL-WAVE INSPIRAL SIGNALS ASSOCIATED WITH SHORT GAMMA-RAY BURSTS DURING LIGO'S FIFTH AND VIRGO'S FIRST SCIENCE RUN. Astrophysical Journal, 2010, 715, 1453-1461.	1.6	90
20	Measurement of the VIRGO superattenuator performance for seismic noise suppression. Review of Scientific Instruments, 2001, 72, 3643-3652.	0.6	89
21	Status of VIRGO. Classical and Quantum Gravity, 2004, 21, S385-S394.	1.5	89
22	The present status of the VIRGO Central Interferometer*. Classical and Quantum Gravity, 2002, 19, 1421-1428.	1.5	85
23	Calibration and sensitivity of the Virgo detector during its second science run. Classical and Quantum Gravity, 2011, 28, 025005.	1.5	85
24	The status of VIRGO. Classical and Quantum Gravity, 2006, 23, S63-S69.	1.5	83
25	Measurement of the seismic attenuation performance of the VIRGO Superattenuator. Astroparticle Physics, 2005, 23, 557-565.	1.9	79
26	Construction of KAGRA: an underground gravitational-wave observatory. Progress of Theoretical and Experimental Physics, 2018, 2018, .	1.8	73
27	The basic physics of the binary black hole merger GW150914. Annalen Der Physik, 2017, 529, 1600209.	0.9	69
28	Overview of KAGRA: Calibration, detector characterization, physical environmental monitors, and the geophysics interferometer. Progress of Theoretical and Experimental Physics, 2021, 2021, .	1.8	66
29	First Cooling Below 0.1 K of the New Gravitational-Wave Antenna â€œNautilusâ€•of the Rome Group. Europhysics Letters, 1991, 16, 231-235.	0.7	64
30	Measurements of Superattenuator seismic isolation by Virgo interferometer. Astroparticle Physics, 2010, 33, 182-189.	1.9	62
31	Noise from scattered light in Virgo's second science run data. Classical and Quantum Gravity, 2010, 27, 194011.	1.5	59
32	Status of Virgo detector. Classical and Quantum Gravity, 2007, 24, S381-S388.	1.5	56
33	Status of Virgo. Classical and Quantum Gravity, 2005, 22, S869-S880.	1.5	54
34	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
35	Suspension last stages for the mirrors of the Virgo interferometric gravitational wave antenna. Review of Scientific Instruments, 1999, 70, 3463-3472.	0.6	51
36	First cryogenic test operation of underground km-scale gravitational-wave observatory KAGRA. Classical and Quantum Gravity, 2019, 36, 165008.	1.5	45

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37	Calibration of advanced Virgo and reconstruction of the gravitational wave signal h (t) Tj ETQq1 1 0.784314 rgBT /Over	1.5	41
38	Vibration-free cryostat for low-noise applications of a pulse tube cryocooler. Review of Scientific Instruments, 2006, 77, 095102.	0.6	32
39	Low-frequency terrestrial tensor gravitational-wave detector. Classical and Quantum Gravity, 2016, 33, 075003.	1.5	32
40	The maraging-steel blades of the Virgo super attenuator. Measurement Science and Technology, 2000, 11, 467-476.	1.4	31
41	The Virgo 3 km interferometer for gravitational wave detection. Journal of Optics, 2008, 10, 064009.	1.5	31
42	Overview of KAGRA: KAGRA science. Progress of Theoretical and Experimental Physics, 2021, 2021, .	1.8	31
43	The VIRGO large mirrors: a challenge for low loss coatings. Classical and Quantum Gravity, 2004, 21, S935-S945.	1.5	30
44	Status and perspectives of the Virgo gravitational wave detector. Journal of Physics: Conference Series, 2010, 203, 012074.	0.3	29
45	Search for gravitational waves associated with GRB 050915a using the Virgo detector. Classical and Quantum Gravity, 2008, 25, 225001.	1.5	28
46	The Seismic Superattenuators of the Virgo Gravitational Waves Interferometer. Journal of Low Frequency Noise Vibration and Active Control, 2011, 30, 63-79.	1.3	28
47	Evaluation of heat extraction through sapphire fibers for the GW observatory KAGRA. Classical and Quantum Gravity, 2014, 31, 105004.	1.5	28
48	Back-action-evading transducing scheme for cryogenic gravitational wave antennas. Physical Review D, 1993, 48, 448-465.	1.6	27
49	The Advanced Virgo detector. Journal of Physics: Conference Series, 2015, 610, 012014.	0.3	27
50	Evaluation and preliminary measurement of the interaction of a dynamical gravitational near field with a cryogenic gravitational wave antenna. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1991, 50, 21-29.	1.5	26
51	Properties of seismic noise at the Virgo site. Classical and Quantum Gravity, 2004, 21, S433-S440.	1.5	25
52	Upper limit for nuclearite flux from the Rome gravitational wave resonant detectors. Physical Review D, 1993, 47, 4770-4773.	1.6	23
53	Vacuum-compatible vibration isolation stack for an interferometric gravitational wave detector TAMA300. Review of Scientific Instruments, 2002, 73, 2428-2433.	0.6	22
54	The commissioning of the central interferometer of the Virgo gravitational wave detector. Astroparticle Physics, 2004, 21, 1-22.	1.9	22

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55	A local control system for the test masses of the Virgo gravitational wave detector. Astroparticle Physics, 2004, 20, 617-628.	1.9	22
56	The variable finesse locking technique. Classical and Quantum Gravity, 2006, 23, S85-S89.	1.5	22
57	Virgo upgrade investigations. Journal of Physics: Conference Series, 2006, 32, 223-229.	0.3	21
58	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
59	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	1.8	20
60	First locking of the Virgo central area interferometer with suspension hierarchical control. Astroparticle Physics, 2004, 20, 629-640.	1.9	19
61	Experimental evidence for an optical spring. Physical Review A, 2006, 74, .	1.0	19
62	Gravitational waves by gamma-ray bursts and the Virgo detector: the case of GRB 050915a. Classical and Quantum Gravity, 2007, 24, S671-S679.	1.5	19
63	The Virgo automatic alignment system. Classical and Quantum Gravity, 2006, 23, S91-S101.	1.5	16
64	Lock acquisition of the Virgo gravitational wave detector. Astroparticle Physics, 2008, 30, 29-38.	1.9	16
65	Gravitational wave burst search in the Virgo C7 data. Classical and Quantum Gravity, 2009, 26, 085009.	1.5	16
66	VIRGO: a large interferometer for gravitational wave detection started its first scientific run. Journal of Physics: Conference Series, 2008, 120, 032007.	0.3	15
67	Last stage control and mechanical transfer function measurement of the VIRGO suspensions. Review of Scientific Instruments, 2002, 73, 2143-2149.	0.6	14
68	Monitoring the acoustic emission of the blades of the mirror suspension for a gravitational wave interferometer. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 301, 389-397.	0.9	14
69	Low-loss coatings for the VIRGO large mirrors. , 2004, , .		14
70	The Advanced Virgo monolithic fused silica suspension. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 824, 644-645.	0.7	14
71	Search for inspiralling binary events in the Virgo Engineering Run data. Classical and Quantum Gravity, 2004, 21, S709-S716.	1.5	13
72	Coincidence analysis between periodic source candidates in C6 and C7 Virgo data. Classical and Quantum Gravity, 2007, 24, S491-S499.	1.5	13

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73	Measurement of the optical parameters of the Virgo interferometer. Applied Optics, 2007, 46, 3466.	2.1	13
74	First joint gravitational wave search by the AURIGAâ€“EXPLORERâ€“NAUTILUSâ€“Virgo Collaboration. Classical and Quantum Gravity, 2008, 25, 205007.	1.5	13
75	Performance of the Virgo interferometer longitudinal control system during the second science run. Astroparticle Physics, 2011, 34, 521-527.	1.9	13
76	Magnetic coupling to the advanced Virgo payloads and its impact on the low frequency sensitivity. Review of Scientific Instruments, 2018, 89, 114501.	0.6	13
77	The NoEMi (Noise Frequency Event Miner) framework. Journal of Physics: Conference Series, 2012, 363, 012037.	0.3	12
78	The status of KAGRA underground cryogenic gravitational wave telescope. Journal of Physics: Conference Series, 2020, 1342, 012014.	0.3	12
79	Automatic Alignment for the first science run of the Virgo interferometer. Astroparticle Physics, 2010, 33, 131-139.	1.9	11
80	Central heating radius of curvature correction (CHRoCC) for use in large scale gravitational wave interferometers. Classical and Quantum Gravity, 2013, 30, 055017.	1.5	11
81	Observation of the Brownian motion of a mechanical oscillator by means of a back action evading system. Physics Letters, Section A: General, Atomic and Solid State Physics, 1993, 180, 43-49.	0.9	10
82	The Virgo Detector. AIP Conference Proceedings, 2005, , .	0.3	10
83	Improving the timing precision for inspiral signals found by interferometric gravitational wave detectors. Classical and Quantum Gravity, 2007, 24, S617-S625.	1.5	10
84	Cleaning the Virgo sampled data for the search of periodic sources of gravitational waves. Classical and Quantum Gravity, 2009, 26, 204002.	1.5	10
85	Reconstruction of the gravitational wave signal h (t) during the Virgo science runs and independent validation with a photon calibrator. Classical and Quantum Gravity, 2014, 31, 165013.	1.5	10
86	Characterization of the room temperature payload prototype for the cryogenic interferometric gravitational wave detector KAGRA. Review of Scientific Instruments, 2016, 87, 034501.	0.6	10
87	Status of VIRGO. Classical and Quantum Gravity, 2003, 20, S609-S616.	1.5	9
88	Analysis of noise lines in the Virgo C7 data. Classical and Quantum Gravity, 2007, 24, S433-S443.	1.5	9
89	Status of coalescing binaries search activities in Virgo. Classical and Quantum Gravity, 2007, 24, 5767-5775.	1.5	9
90	Status of Advanced Virgo. EPJ Web of Conferences, 2018, 182, 02003.	0.1	9

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91	The advanced Virgo longitudinal control system for the O2 observing run. Astroparticle Physics, 2020, 116, 102386.	1.9	9
92	Advanced Virgo Status. Journal of Physics: Conference Series, 2020, 1342, 012010.	0.3	9
93	Correlation between the Maryland and Rome gravitational-wave detectors and the Mont Blanc, Kamioka and IMB particle detectors during SN 1987 A. Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods, 1991, 106, 1257-1269.	0.2	8
94	Noise behaviour of the Explorer gravitational wave antenna during Î» transition to the superfluid phase. Cryogenics, 1992, 32, 668-670.	0.9	8
95	Noise studies during the first Virgo science run and after. Classical and Quantum Gravity, 2008, 25, 184003.	1.5	8
96	Laser with an in-loop relative frequency stability of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>1.0</mml:mn><mml:mo>Ã—</mml:mo><mml:msup><mml:mrow><mml:mn>10</mml:mn></m a 100-ms time scale for gravitational-wave detection. Physical Review A, 2009, 79, .	1.0	8
97	Virgo calibration and reconstruction of the gravitationnal wave strain during VSR1. Journal of Physics: Conference Series, 2010, 228, 012015.	0.3	8
98	A state observer for the Virgo inverted pendulum. Review of Scientific Instruments, 2011, 82, 094502.	0.6	8
99	Test of a back-action evading scheme on a cryogenic gravitational wave antenna. Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 215, 141-148.	0.9	7
100	Data analysis methods for non-Gaussian, nonstationary and nonlinear features and their application to VIRGO. Classical and Quantum Gravity, 2003, 20, S915-S924.	1.5	7
101	NAP: a tool for noise data analysis. Application to Virgo engineering runs. Classical and Quantum Gravity, 2005, 22, S1041-S1049.	1.5	7
102	The status of coalescing binaries search code in Virgo, and the analysis of C5 data. Classical and Quantum Gravity, 2006, 23, S187-S196.	1.5	7
103	The Virgo interferometric gravitational antenna. Optics and Lasers in Engineering, 2007, 45, 478-487.	2.0	7
104	The Real-Time Distributed Control of the Virgo Interferometric Detector of Gravitational Waves. IEEE Transactions on Nuclear Science, 2008, 55, 302-310.	1.2	7
105	The Archimedes experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 824, 646-647.	0.7	7
106	Application of independent component analysis to the iKAGRA data. Progress of Theoretical and Experimental Physics, 2020, 2020, .	1.8	7
107	Vibration isolation systems for the beam splitter and signal recycling mirrors of the KAGRA gravitational wave detector. Classical and Quantum Gravity, 2021, 38, 065011.	1.5	7
108	Test facility for resonance transducers of cryogenic gravitational wave antennas. Measurement Science and Technology, 1992, 3, 501-507.	1.4	6

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109	Signal-to-noise ratio analysis for a back-action-evading measurement on a double harmonic oscillator. Physical Review D, 1994, 50, 3596-3607.	1.6	6
110	Status report of the low frequency facility experiment, Virgo R&D. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 318, 199-204.	0.9	6
111	A simple line detection algorithm applied to Virgo data. Classical and Quantum Gravity, 2005, 22, S1189-S1196.	1.5	6
112	Automatic Alignment system during the second science run of the Virgo interferometer. Astroparticle Physics, 2011, 34, 327-332.	1.9	6
113	Vibration measurement in the KAGRA cryostat. Classical and Quantum Gravity, 2014, 31, 224001.	1.5	6
114	Status of the Advanced Virgo gravitational wave detector. International Journal of Modern Physics A, 2017, 32, 1744003.	0.5	6
115	Results of the Virgo central interferometer commissioning. Classical and Quantum Gravity, 2004, 21, S395-S402.	1.5	5
116	The last-stage suspension of the mirrors for the gravitational wave antenna Virgo. Classical and Quantum Gravity, 2004, 21, S425-S432.	1.5	5
117	Testing the detection pipelines for inspirals with Virgo commissioning run C4 data. Classical and Quantum Gravity, 2005, 22, S1139-S1148.	1.5	5
118	Length Sensing and Control in the Virgo Gravitational Wave Interferometer. IEEE Transactions on Instrumentation and Measurement, 2006, 55, 1985-1995.	2.4	5
119	Data Acquisition System of the Virgo Gravitational Waves Interferometric Detector. IEEE Transactions on Nuclear Science, 2008, 55, 225-232.	1.2	5
120	Characterization of the Virgo seismic environment. Classical and Quantum Gravity, 2012, 29, 025005.	1.5	5
121	Indium joints for cryogenic gravitational wave detectors. Classical and Quantum Gravity, 2015, 32, 245013.	1.5	5
122	Seismic glitchness at Sos Enattos site: impact on intermediate black hole binaries detection efficiency. European Physical Journal Plus, 2021, 136, 1.	1.2	5
123	Argon and Other Defects in Amorphous SiO2 Coatings for Gravitational-Wave Detectors. Coatings, 2022, 12, 1001.	1.2	5
124	Weber-type gravitational wave antenna with two resonant transducers: A new tool for gravitational wave signal identification. Physical Review D, 1993, 47, 5233-5237.	1.6	4
125	A first study of environmental noise coupling to the Virgo interferometer. Classical and Quantum Gravity, 2005, 22, S1069-S1077.	1.5	4
126	Environmental noise studies in Virgo. Journal of Physics: Conference Series, 2006, 32, 80-88.	0.3	4

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127	Data quality studies for burst analysis of Virgo data acquired during Weekly Science Runs. Classical and Quantum Gravity, 2007, 24, S415-S422.	1.5	4
128	THE VIRGO INTERFEROMETER FOR GRAVITATIONAL WAVE DETECTION. International Journal of Modern Physics D, 2011, 20, 2075-2079.	0.9	4
129	Casimir energy for two and three superconducting coupled cavities: Numerical calculations. European Physical Journal Plus, 2017, 132, 1.	1.2	4
130	Cryogenic vacuum considerations for future gravitational wave detectors. Physical Review D, 2021, 104, .	1.6	4
131	Status of the low frequency facility experiment. Classical and Quantum Gravity, 2002, 19, 1675-1682.	1.5	3
132	Status of Virgo. Journal of Physics: Conference Series, 2006, 39, 32-35.	0.3	3
133	Vibration Free Cryostat for cooling suspended mirrors. Journal of Physics: Conference Series, 2006, 32, 374-379.	0.3	3
134	Testing Virgo burst detection tools on commissioning run data. Classical and Quantum Gravity, 2006, 23, S197-S205.	1.5	3
135	A cryogenic payload for the 3rd generation of gravitational wave interferometers. Astroparticle Physics, 2011, 35, 67-75.	1.9	3
136	A vertical accelerometer for cryogenics implementation in third-generation gravitational-wave detectors. Measurement Science and Technology, 2014, 25, 015103.	1.4	3
137	Automated source of squeezed vacuum states driven by finite state machine based software. Review of Scientific Instruments, 2021, 92, 054504.	0.6	3
138	Towards ponderomotive squeezing with SIPS experiment. Physica Scripta, 2021, 96, 114007.	1.2	3
139	Anelastic and elastic properties of a synthetic monocrystal of bismuth germanate Bi4Ge3O12 at low temperatures. Journal of Alloys and Compounds, 1994, 211-212, 640-643.	2.8	2
140	Status of VIRGO. , 2004, 5500, 58.		2
141	Virgo and the worldwide search for gravitational waves. AIP Conference Proceedings, 2005, , .	0.3	2
142	Virgo status and commissioning results. Classical and Quantum Gravity, 2005, 22, S185-S191.	1.5	2
143	Experimental upper limit on the estimated thermal noise at low frequencies in a gravitational wave detector. Physical Review D, 2007, 76, .	1.6	2
144	Geophysical noise in the virgo gravitational antenna. Measurement Techniques, 2009, 52, 111-116.	0.2	2

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145	Noise monitor tools and their application to Virgo data. Journal of Physics: Conference Series, 2012, 363, 012024.	0.3	2
146	Progress and challenges in advanced ground-based gravitational-wave detectors. General Relativity and Gravitation, 2014, 46, 1.	0.7	2
147	Concepts and research for future detectors. General Relativity and Gravitation, 2014, 46, 1.	0.7	2
148	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. , 2018, 21, 1.		2
149	Performances of a super conductive parabridge transducer for liquidhelium temperature applications. Cryogenics, 1994, 34, 443-447.	0.9	1
150	Anelastic properties of resonant transducers for cryogenic gravitational wave antennas. Journal of Alloys and Compounds, 1994, 211-212, 644-648.	2.8	1
151	Single device telemetric algorithm for absolute position measurement using a CCD camera. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 295, 92-100.	0.9	1
152	Influence of a mirror holder on thermal noise in gravitational wave interferometers. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 315, 409-417.	0.9	1
153	A first test of a sine-Hough method for the detection of pulsars in binary systems using the E4 Virgo engineering run data. Classical and Quantum Gravity, 2004, 21, S717-S727.	1.5	1
154	Methods of gravitational wave detection in the VIRGO Interferometer. , 2007, , .		1
155	The Real-time Distributed Control of the Virgo Interferometric Detector of Gravitational Waves. , 2007, , .		1
156	Status of the commissioning of the Virgo interferometer. , 2012, , .		1
157	SEISMIC ATTENUATION SYSTEM (SAS) IN THE KAMIOKA MINE. , 2015, , .		1
158	Seismic noise background in the Baksan Neutrino Observatory. European Physical Journal Plus, 2022, 137, 1.	1.2	1
159	Decay times of anN-normal-mode system. Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods, 1993, 108, 1065-1071.	0.2	0
160	A parallel in-time analysis system for Virgo.. Journal of Physics: Conference Series, 2006, 32, 35-43.	0.3	0
161	Normal/independent noise in VIRGO data. Classical and Quantum Gravity, 2006, 23, S829-S836.	1.5	0
162	Data Acquisition System of the Virgo Gravitational Waves Interferometric Detector. , 2007, , .		0

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163	A cross-correlation method to search for gravitational wave bursts with AURIGA and Virgo. Classical and Quantum Gravity, 2008, 25, 114046.	1.5	0
164	Preliminary results on the cryogenic payload for the 3rd generation g.w. interferometers. Journal of Physics: Conference Series, 2010, 228, 012030.	0.3	0
165	Tools for noise characterization in Virgo. Journal of Physics: Conference Series, 2010, 243, 012004.	0.3	0
166	Terrestrial detector for low-frequency gravitational waves based on full tensor measurement. Journal of Physics: Conference Series, 2016, 716, 012001.	0.3	0
167	Measurement of geophysical effects on the large-scale gravitational-wave interferometer. International Journal of Modern Physics D, 2020, 29, 2050050.	0.9	0