Gianluca Gemme

List of Publications by Year
in descending order

231 papers	34,897 citations	14655 66 h-index	3261 185 g-index
235 all docs	235 docs citations	235 times ranked	14045 citing authors

#	Article	IF	Citations
1	GW151226: Observation of Gravitational Waves from a 22-Solar-Mass Binary Black Hole Coalescence. Physical Review Letters, 2016, 116, 241103.	7.8	2,701
2	Advanced Virgo: a second-generation interferometric gravitational wave detector. Classical and Quantum Gravity, 2015, 32, 024001.	4.0	2,530
3	Gravitational Waves and Gamma-Rays from a Binary Neutron Star Merger: GW170817 and GRB 170817A. Astrophysical Journal Letters, 2017, 848, L13.	8.3	2,314
4	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
5	GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence. Physical Review Letters, 2017, 119, 141101.	7.8	1,600
6	GW170817: Measurements of Neutron Star Radii and Equation of State. Physical Review Letters, 2018, 121, 161101.	7.8	1,473
7	Tests of General Relativity with GW150914. Physical Review Letters, 2016, 116, 221101.	7.8	1,224
8	The Einstein Telescope: a third-generation gravitational wave observatory. Classical and Quantum Gravity, 2010, 27, 194002.	4.0	1,211
9	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.	8.3	1,090
10	GW190425: Observation of a Compact Binary Coalescence with Total MassÂâˆ¼Â3.4 M_{âŠ™}. Astrophysical Journal Letters, 2020, 892, L3.	8.3	1,049
11	Characterization of the LIGO detectors during their sixth science run. Classical and Quantum Gravity, 2015, 32, 115012.	4.0	1,029
12	GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. Astrophysical Journal Letters, 2017, 851, L35.	8.3	968
13	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
14	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> stretchy="false">âŠ™</mml:mo></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review Letters, 2020, 125, 101102.	7.8	836
15	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
16	A gravitational-wave standard siren measurement of the Hubble constant. Nature, 2017, 551, 85-88.	27.8	674
17	Properties of the Binary Black Hole Merger GW150914. Physical Review Letters, 2016, 116, 241102.	7.8	673
18	Sensitivity studies for third-generation gravitational wave observatories. Classical and Quantum Gravity, 2011, 28, 094013.	4.0	644

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19	ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. Astrophysical Journal Letters, 2016, 818, L22.	8.3	633
20	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.	8.3	566
21	GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. Physical Review Letters, 2016, 116, 131103.	7.8	466
22	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2020, 23, 3.	26.7	447
23	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. Living Reviews in Relativity, 2016, 19, 1.	26.7	427
24	Properties and Astrophysical Implications of the 150 M_{âŠ™} Binary Black Hole Merger GW190521. Astrophysical Journal Letters, 2020, 900, L13.	8.3	406
25	Scientific objectives of Einstein Telescope. Classical and Quantum Gravity, 2012, 29, 124013.	4.0	355
26	The third generation of gravitational wave observatories and their science reach. Classical and Quantum Gravity, 2010, 27, 084007.	4.0	287
27	GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes. Physical Review Letters, 2016, 116, 131102.	7.8	269
28	Virgo: a laser interferometer to detect gravitational waves. Journal of Instrumentation, 2012, 7, P03012-P03012.	1.2	257
29	Increasing the Astrophysical Reach of the Advanced Virgo Detector via the Application of Squeezed Vacuum States of Light. Physical Review Letters, 2019, 123, 231108.	7.8	254
30	THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914. Astrophysical Journal Letters, 2016, 833, L1.	8.3	230
31	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. Classical and Quantum Gravity, 2016, 33, 134001.	4.0	225
32	Upper Limits on the Stochastic Gravitational-Wave Background from Advanced LIGOâ€™s First Observing Run. Physical Review Letters, 2017, 118, 121101.	7.8	194
33	Search for Post-merger Gravitational Waves from the Remnant of the Binary Neutron Star Merger GW170817. Astrophysical Journal Letters, 2017, 851, L16.	8.3	189
34	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.	8.3	179
35	Status of the Virgo project. Classical and Quantum Gravity, 2011, 28, 114002.	4.0	171
36	Local MRI analysis approach in the diagnosis of early and prodromal Alzheimer's disease. NeuroImage, 2011, 58, 469-480.	4.2	161

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37	Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated withÂGW170817. Astrophysical Journal Letters, 2017, 850, L39.	8.3	156
38	SEARCHES FOR GRAVITATIONAL WAVES FROM KNOWN PULSARS WITH SCIENCE RUN 5 LIGO DATA. Astrophysical Journal, 2010, 713, 671-685.	4.5	155
39	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
40	A Standard Siren Measurement of the Hubble Constant from GW170817 without the Electromagnetic Counterpart. Astrophysical Journal Letters, 2019, 871, L13.	8.3	145
41	A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. Astrophysical Journal, 2021, 909, 218.	4.5	144
42	First Search for Gravitational Waves from Known Pulsars with Advanced LIGO. Astrophysical Journal, 2017, 839, 12.	4.5	131
43	GRAVITATIONAL WAVES FROM KNOWN PULSARS: RESULTS FROM THE INITIAL DETECTOR ERA. Astrophysical Journal, 2014, 785, 119.	4.5	125
44	Search for Subsolar Mass Ultracompact Binaries in Advanced LIGOâ€™s Second Observing Run. Physical Review Letters, 2019, 123, 161102.	7.8	119
45	Search for gravitational waves from compact binary coalescence in LIGO and Virgo data from S5 and VSR1. Physical Review D, 2010, 82, .	4.7	111
46	All-sky search for gravitational-wave bursts in the first joint LIGO-GEO-Virgo run. Physical Review D, 2010, 81, .	4.7	107
47	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
48	XPS analysis of the surface composition of niobium for superconducting RF cavities. Applied Surface Science, 1998, 126, 219-230.	6.1	103
49	Effects of waveform model systematics on the interpretation of GW150914. Classical and Quantum Gravity, 2017, 34, 104002.	4.0	98
50	Search for Gravitational Waves from a Long-lived Remnant of the Binary Neutron Star Merger GW170817. Astrophysical Journal, 2019, 875, 160.	4.5	97
51	Directional Limits on Persistent Gravitational Waves Using LIGO S5 Science Data. Physical Review Letters, 2011, 107, 271102.	7.8	94
52	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
53	BEATING THE SPIN-DOWN LIMIT ON GRAVITATIONAL WAVE EMISSION FROM THE VELA PULSAR. Astrophysical Journal, 2011, 737, 93.	4.5	89
54	Searches for Gravitational Waves from Known Pulsars at Two Harmonics in 2015â€"2017 LIGO Data. Astrophysical Journal, 2019, 879, 10.	4.5	88

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55	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
56	Search for gravitational waves from binary black hole inspiral, merger, and ringdown. Physical Review D, 2011, 83, .	4.7	85
57	Calibration and sensitivity of the Virgo detector during its second science run. Classical and Quantum Gravity, 2011, 28, 025005.	4.0	85
58	Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background. Physical Review Letters, 2018, 120, 201102.	7.8	85
59	Directional Limits on Persistent Gravitational Waves from Advanced LIGOâ€™s First Observing Run. Physical Review Letters, 2017, 118, 121102.	7.8	84
60	Search for Subsolar-Mass Ultracompact Binaries in Advanced LIGOâ€™s First Observing Run. Physical Review Letters, 2018, 121, 231103.	7.8	77
61	Integrating longitudinal information in hippocampal volume measurements for the early detection of Alzheimer's disease. NeuroImage, 2016, 125, 834-847.	4.2	76
62	The characterization of Virgo data and its impact on gravitational-wave searches. Classical and Quantum Gravity, 2012, 29, 155002.	4.0	73
63	On the Progenitor of Binary Neutron Star Merger GW170817. Astrophysical Journal Letters, 2017, 850, L40.	8.3	73
64	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.	4.5	72
65	Low-latency Gravitational-wave Alerts for Multimessenger Astronomy during the Second Advanced LIGO and Virgo Observing Run. Astrophysical Journal, 2019, 875, 161.	4.5	71
66	The basic physics of the binary black hole merger GW150914. Annalen Der Physik, 2017, 529, 1600209.	2.4	69
67	Constraints on Cosmic Strings from the LIGO-Virgo Gravitational-Wave Detectors. Physical Review Letters, 2014, 112, 131101.	7.8	68
68	SEARCHES FOR CONTINUOUS GRAVITATIONAL WAVES FROM NINE YOUNG SUPERNOVA REMNANTS. Astrophysical Journal, 2015, 813, 39.	4.5	66
69	Measurements of Superattenuator seismic isolation by Virgo interferometer. Astroparticle Physics, 2010, 33, 182-189.	4.3	62
70	SWIFT FOLLOW-UP OBSERVATIONS OF CANDIDATE GRAVITATIONAL-WAVE TRANSIENT EVENTS. Astrophysical Journal, Supplement Series, 2012, 203, 28.	7.7	62
71	Searches for Continuous Gravitational Waves from 15 Supernova Remnants and Fomalhaut b with Advanced LIGO[*]. Astrophysical Journal, 2019, 875, 122.	4.5	61
72	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

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73	Noise from scattered light in Virgo's second science run data. Classical and Quantum Gravity, 2010, 27, 194011.	4.0	59
74	FIRST SEARCHES FOR OPTICAL COUNTERPARTS TO GRAVITATIONAL-WAVE CANDIDATE EVENTS. Astrophysical Journal, Supplement Series, 2014, 211, 7.	7.7	57
75	SEARCH FOR GRAVITATIONAL WAVE BURSTS FROM SIX MAGNETARS. Astrophysical Journal Letters, 2011, 734, L35.	8.3	55
76	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.	4.5	52
77	Effects of fluxon dynamics on higher harmonics of ac susceptibility in type-II superconductors. Physical Review B, 1994, 50, 3189-3199.	3.2	50
78	Results of the IGEC-2 search for gravitational wave bursts during 2005. Physical Review D, 2007, 76, .	4.7	50
79	A detector of small harmonic displacements based on two coupled microwave cavities. Review of Scientific Instruments, 2001, 72, 2428-2437.	1.3	47
80	XPS investigation of surface properties of Ba(1-x)SrxTiO3 powders prepared by low temperature aqueous synthesis. Journal of the European Ceramic Society, 1999, 19, 1047-1051.	5.7	46
81	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.	4.5	46
82	SUPPLEMENT: â€œLOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914â€•(2016, ApJL, 826, L13). Astrophysical Journal, Supplement Series, 2016, 225, 8.	7.7	44
83	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
84	Calibration of advanced Virgo and reconstruction of the gravitational wave signal <i>h</i> (<i>t</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	4.0	41
85	Automatic analysis of medial temporal lobe atrophy from structural MRIs for the early assessment of Alzheimer disease. Medical Physics, 2009, 36, 3737-3747.	3.0	39
86	Flux pinning in Bi-2212/Ag-based wires and coils. Physical Review B, 1996, 54, 12543-12550.	3.2	37
87	Quantum Backaction on Kg-Scale Mirrors: Observation of Radiation Pressure Noise in the Advanced Virgo Detector. Physical Review Letters, 2020, 125, 131101.	7.8	35
88	Growth of niobium nitrides by nitrogen-niobium reaction at high temperature. Journal of Alloys and Compounds, 1994, 209, 319-328.	5.5	34
89	A detector of high frequency gravitational waves based on coupled microwave cavities. Classical and Quantum Gravity, 2003, 20, 3505-3522.	4.0	34
90	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

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91	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.	4.5	32
92	Observation of the February 2011 Forbush decrease by the EEE telescopes. European Physical Journal Plus, 2011, 126, 1.	2.6	31
93	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.	4.5	30
94	Status and perspectives of the Virgo gravitational wave detector. Journal of Physics: Conference Series, 2010, 203, 012074.	0.4	29
95	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.	4.5	29
96	The Seismic Superattenuators of the Virgo Gravitational Waves Interferometer. Journal of Low Frequency Noise Vibration and Active Control, 2011, 30, 63-79.	2.9	28
97	Optical properties of amorphous SiO2-TiO2 multi-nanolayered coatings for 1064-nm mirror technology. Optical Materials, 2018, 75, 94-101.	3.6	28
98	The Advanced Virgo detector. Journal of Physics: Conference Series, 2015, 610, 012014.	0.4	27
99	Optical properties of high-quality oxide coating materials used in gravitational-wave advanced detectors. JPhys Materials, 2019, 2, 035004.	4.2	26
100	Search for Transient Gravitational-wave Signals Associated with Magnetar Bursts during Advanced LIGOâ€™s Second Observing Run. Astrophysical Journal, 2019, 874, 163.	4.5	26
101	Search for long distance correlations between extensive air showers detected by the EEE network. European Physical Journal Plus, 2018, 133, 1.	2.6	25
102	Status report on the EXPLORER and NAUTILUS detectors and the present science run. Classical and Quantum Gravity, 2006, 23, S57-S62.	4.0	24
103	3-D object segmentation using ant colonies. Pattern Recognition, 2010, 43, 1476-1490.	8.1	24
104	The EEE experiment project: status and first physics results. European Physical Journal Plus, 2013, 128, 1.	2.6	24
105	Looking at the sub-TeV sky with cosmic muons detected in the EEE MRPC telescopes. European Physical Journal Plus, 2015, 130, 1.	2.6	23
106	Optical properties of uniform, porous, amorphous Ta₂O₅coatings on silica: temperature effects. Journal Physics D: Applied Physics, 2013, 46, 455301.	2.8	21
107	Optical properties of nanogranular and highly porous TiO₂thin films. Journal Physics D: Applied Physics, 2014, 47, 485301.	2.8	20
108	The Extreme Energy Events experiment: an overview of the telescopes performance.. Journal of Instrumentation, 2018, 13, P08026-P08026.	1.2	20

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109	Calibration of advanced Virgo and reconstruction of the detector strain h(t) during the observing run O3. Classical and Quantum Gravity, 2022, 39, 045006.	4.0	20
110	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	6.6	20
111	Combined PIXE and XPS analysis on republican and imperial Roman coins. Nuclear Instruments & Methods in Physics Research B, 2000, 161-163, 743-747.	1.4	18
112	Automatic temporal lobe atrophy assessment in prodromal AD: Data from the DESCRIPA study. Alzheimer's and Dementia, 2014, 10, 456-467.	0.8	16
113	Electronic Structure of Coreâ€"Shell Metal/Oxide Aluminum Nanoparticles. Journal of Physical Chemistry C, 2015, 119, 26719-26725.	3.1	16
114	Alzheimerâ€™s disease markers from structural MRI and FDG-PET brain images. European Physical Journal Plus, 2012, 127, 1.	2.6	15
115	A study of upward going particles with the Extreme Energy Events telescopes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 816, 142-148.	1.6	15
116	Electromagnetic characterization of superconducting radio-frequency cavities for gw detection. Classical and Quantum Gravity, 2004, 21, S1241-S1246.	4.0	14
117	Investigation of magnetic noise in advanced Virgo. Classical and Quantum Gravity, 2019, 36, 225004.	4.0	14
118	Niobium and niobium-titanium nitrides for RF applications. IEEE Transactions on Applied Superconductivity, 1993, 3, 1761-1764.	1.7	13
119	First joint gravitational wave search by the AURIGAâ€"EXPLORERâ€"NAUTILUSâ€"Virgo Collaboration. Classical and Quantum Gravity, 2008, 25, 205007.	4.0	13
120	Performance of the Virgo interferometer longitudinal control system during the second science run. Astroparticle Physics, 2011, 34, 521-527.	4.3	13
121	Gravitational waves detector mirrors: Spectroscopic ellipsometry study of Ta2O5 films on SiO2 substrates. Thin Solid Films, 2011, 519, 2877-2880.	1.8	13
122	Magnetic coupling to the advanced Virgo payloads and its impact on the low frequency sensitivity. Review of Scientific Instruments, 2018, 89, 114501.	1.3	13
123	rf surface resistance measurements of binary and ternary niobium compounds. Journal of Applied Physics, 1995, 77, 257-264.	2.5	12
124	The NoEMi (Noise Frequency Event Miner) framework. Journal of Physics: Conference Series, 2012, 363, 012037.	0.4	12
125	Time correlation measurements from extensive air showers detected by the EEE telescopes. European Physical Journal Plus, 2013, 128, 1.	2.6	12
126	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.	4.5	12

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127	Preparation and characterization of YBa2Cu3O7â ˆ’x superconducting films deposited by electrophoresis. Physica C: Superconductivity and Its Applications, 1992, 193, 1-7.	1.2	11
128	Nitridation of niobium-46 wt.% titanium alloy in nitrogen at 1300 Â°C. Journal of Alloys and Compounds, 1995, 226, 232-241.	5.5	11
129	The EEE Project: cosmic rays, multigap resistive plate chambers and high school students. Journal of Instrumentation, 2012, 7, T11011-T11011.	1.2	11
130	Central heating radius of curvature correction (CHRoCC) for use in large scale gravitational wave interferometers. Classical and Quantum Gravity, 2013, 30, 055017.	4.0	11
131	The 2003 run of the EXPLORERâ€“NAUTILUS gravitational wave experiment. Classical and Quantum Gravity, 2006, 23, S169-S178.	4.0	10
132	Cleaning the Virgo sampled data for the search of periodic sources of gravitational waves. Classical and Quantum Gravity, 2009, 26, 204002.	4.0	10
133	Performances of the Virgo interferometer longitudinal control system. Astroparticle Physics, 2010, 33, 75-80.	4.3	10
134	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.	4.0	10
135	Effect of heating treatment and mixture on optical properties of coating materials used in gravitational-wave detectors. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2019, 37, .	1.2	10
136	Phosphonate molecular layers on TiO₂surfaces. MATEC Web of Conferences, 2017, 98, 03001.	0.2	9
137	Status of Advanced Virgo. EPJ Web of Conferences, 2018, 182, 02003.	0.3	9
138	The advanced Virgo longitudinal control system for the O2 observing run. Astroparticle Physics, 2020, 116, 102386.	4.3	9
139	Advanced Virgo Status. Journal of Physics: Conference Series, 2020, 1342, 012010.	0.4	9
140	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, .	2.5	8
141	Virgo calibration and reconstruction of the gravitationnal wave strain during VSR1. Journal of Physics: Conference Series, 2010, 228, 012015.	0.4	8
142	Mechanical characterization of â€˜uncoatedâ€™ and â€˜Ta 2 O 5 -single-layer-coatedâ€™ SiO 2 substrates: results from GeNS suspension, and the CoaCh project. Classical and Quantum Gravity, 2010, 27, 084031.	4.0	8
143	In-vacuum Faraday isolation remote tuning. Applied Optics, 2010, 49, 4780.	2.1	8
144	A state observer for the Virgo inverted pendulum. Review of Scientific Instruments, 2011, 82, 094502.	1.3	8

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145	A multigap resistive plate chamber array for the Extreme Energy Events project. Journal of Instrumentation, 2014, 9, C10024-C10024.	1.2	8
146	Recent results and performance of the multi-gap resistive plate chambers network for the EEE Project. Journal of Instrumentation, 2016, 11, C11005-C11005.	1.2	8
147	Determination of the irreversibility line in Bi-2212 Ag sheathed wires. Physica C: Superconductivity and Its Applications, 1993, 213, 200-210.	1.2	6
148	EXPLORER and NAUTILUS gravitational wave detectors: a status report. Classical and Quantum Gravity, 2008, 25, 114048.	4.0	6
149	Automatic Alignment system during the second science run of the Virgo interferometer. Astroparticle Physics, 2011, 34, 327-332.	4.3	6
150	The EEE Project: a sparse array of telescopes for the measurement of cosmic ray muons. Journal of Instrumentation, 2016, 11, C12056-C12056.	1.2	6
151	EEE - Extreme Energy Events: an astroparticle physics experiment in Italian High Schools. Journal of Physics: Conference Series, 2016, 718, 082001.	0.4	6
152	Operation and performance of the EEE network array for the detection of cosmic rays. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 845, 383-386.	1.6	6
153	Status of the Advanced Virgo gravitational wave detector. International Journal of Modern Physics A, 2017, 32, 1744003.	1.5	6
154	The EEE MRPC telescopes as tracking tools to monitor building stability with cosmic muons. Journal of Instrumentation, 2019, 14, P06035-P06035.	1.2	6
155	A.c. magnetic measurements on superconductors using two-channel dynamic analyser. Cryogenics, 1993, 33, 1170-1173.	1.7	5
156	Headway in cavity design through genetic algorithms. IEEE Transactions on Magnetics, 1995, 31, 1566-1569.	2.1	5
157	The Channeler Ant Model: Object segmentation with virtual ant colonies. , 2008, , .		5
158	Characterization of the Virgo seismic environment. Classical and Quantum Gravity, 2012, 29, 025005.	4.0	5
159	The new trigger/GPS module for the EEE project. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 936, 376-377.	1.6	5
160	Strategies to reduce the environmental impact in the MRPC array of the EEE experiment. Journal of Instrumentation, 2020, 15, C11011-C11011.	1.2	5
161	Preparation and characterization of YBa2Cu3O7?x samples for microwave applications. Journal of Superconductivity and Novel Magnetism, 1992, 5, 55-65.	0.5	4
162	Simple numerical model to interpret the a.c. measurements on type-II superconductors. Cryogenics, 1992, 32, 559-568.	1.7	4

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163	Critical current measurements on the cables for LHC detector magnets. IEEE Transactions on Magnetics, 1996, 32, 2731-2734.	2.1	4
164	All-sky incoherent search for periodic signals with Explorer 2005 data. Classical and Quantum Gravity, 2008, 25, 114028.	4.0	4
165	Control of the laser frequency of the Virgo gravitational wave interferometer with an in-loop relative frequency stability of 1.0 Ã— 10âˆ’21 on a 100 ms time scale. , 2009, , .		4
166	Multitechnique investigation of Ta₂O₅films on SiO₂substrates: Comparison of optical, chemical and morphological properties. Journal of Physics: Conference Series, 2010, 228, 012020.	0.4	4
167	THE VIRGO INTERFEROMETER FOR GRAVITATIONAL WAVE DETECTION. International Journal of Modern Physics D, 2011, 20, 2075-2079.	2.1	4
168	Cosmic rays Monte Carlo simulations for the Extreme Energy Events Project. European Physical Journal Plus, 2014, 129, 1.	2.6	4
169	New Eco-gas mixtures for the Extreme Energy Events MRPCs: results and plans. Journal of Instrumentation, 2019, 14, C08008-C08008.	1.2	4
170	Observation of anomalous RF dissipation in thick films of superconducting YBa2Cu3O7âˆ’x. Physica C: Superconductivity and Its Applications, 1992, 203, 51-58.	1.2	3
171	The revised ELFA project. , 0, , .		3
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