Franois Bondu

List of Publications by Year in Descending Order

202 papers	34,636 citations	64 h-index	186 g-index
219 ext. papers	40,765 ext. citations	4.6 avg, IF	4.8 L-index

#	Paper	IF	Citations
202	All-sky search for short gravitational-wave bursts in the first Advanced LIGO run. *Physical Review D*, **2017**, 95,	4.9	54
201	Effects of waveform model systematics on the interpretation of GW150914. *Classical and Quantum Gravity*, **2017**, 34, 104002	3.3	74
200	Observation of Gravitational Waves from a Binary Black Hole Merger **2017**, 291-311		27
199	Upper Limits on the Stochastic Gravitational-Wave Background from Advanced LIGO's First Observing Run. *Physical Review Letters*, **2017**, 118, 121101	7.4	137
198	Directional Limits on Persistent Gravitational Waves from Advanced LIGO's First Observing Run. *Physical Review Letters*, **2017**, 118, 121102	7.4	65
197	First Search for Gravitational Waves from Known Pulsars with Advanced LIGO. *Astrophysical Journal* , **2017**, 839, 12	4.7	107
196	Synthesis of a 30-Hz Linewidth Wave Tunable Over 500 GHz. *IEEE Transactions on Microwave Theory and Techniques*, **2017**, 65, 1367-1371	4.1	8
195	The basic physics of the binary black hole merger GW150914. *Annalen Der Physik*, **2017**, 529, 1600209	2.6	45
194	GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence. *Physical Review Letters*, **2017**, 119, 141101	7.4	1270
193	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
192	A gravitational-wave standard siren measurement of the Hubble constant. *Nature*, **2017**, 551, 85-88	50.4	413
191	GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. *Physical Review Letters*, **2017**, 119, 161101	7.4	4272
190	Multi-messenger Observations of a Binary Neutron Star Merger. *Astrophysical Journal Letters*, **2017**, 848, L12	7.9	1935
189	Gravitational Waves and Gamma-Rays from a Binary Neutron Star Merger: GW170817 and GRB 170817A. *Astrophysical Journal Letters*, **2017**, 848, L13	7.9	1614
188	Search for intermediate mass black hole binaries in the first observing run of Advanced LIGO. *Physical Review D*, **2017**, 96,	4.9	64
187	All-sky search for periodic gravitational waves in the O1 LIGO data. *Physical Review D*, **2017**, 96,	4.9	54
186	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

185	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
184	Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated with GW170817. *Astrophysical Journal Letters*, **2017**, 850, L39	7.9	127
183	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
182	GW170104: Observation of a 50-Solar-Mass Binary Black Hole Coalescence at Redshift 0.2. *Physical Review Letters*, **2017**, 118, 221101	7.4	1609
181	Search for continuous gravitational waves from neutron stars in globular cluster NGC 6544. *Physical Review D*, **2017**, 95,	4.9	14
180	Status of the Advanced Virgo gravitational wave detector. *International Journal of Modern Physics A* , **2017**, 32, 1744003	1.2	5
179	On the Progenitor of Binary Neutron Star Merger GW170817. *Astrophysical Journal Letters*, **2017**, 850, L40	7.9	50
178	GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. *Astrophysical Journal Letters*, **2017**, 851, L35	7.9	809
177	LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. *Astrophysical Journal Letters*, **2016**, 826, L13	7.9	183
176	Comprehensive all-sky search for periodic gravitational waves in the sixth science run LIGO data. *Physical Review D*, **2016**, 94,	4.9	28
175	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
174	UPPER LIMITS ON THE RATES OF BINARY NEUTRON STAR AND NEUTRON STARBLACK HOLE MERGERS FROM ADVANCED LIGOS FIRST OBSERVING RUN. *Astrophysical Journal Letters*, **2016**, 832, L21	7.9	130
173	Directly comparing GW150914 with numerical solutions of EinsteinS equations for binary black hole coalescence. *Physical Review D*, **2016**, 94,	4.9	76
172	All-sky search for long-duration gravitational wave transients with initial LIGO. *Physical Review D*, **2016**, 93,	4.9	27
171	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
170	First low frequency all-sky search for continuous gravitational wave signals. *Physical Review D*, **2016** , 93,	4.9	29
169	GW150914: First results from the search for binary black hole coalescence with Advanced LIGO. *Physical Review D*, **2016**, 93,	4.9	253
168	Search for transient gravitational waves in coincidence with short-duration radio transients during 2007–2013. *Physical Review D*, **2016**, 93,	4.9	10

167	High-energy neutrino follow-up search of gravitational wave event GW150914 with ANTARES and IceCube. *Physical Review D*, **2016**, 93,	4.9	80
166	GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes. *Physical Review Letters*, **2016**, 116, 131102	7.4	188
165	GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. *Physical Review Letters*, **2016**, 116, 131103	7.4	328
164	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
163	Observing gravitational-wave transient GW150914 with minimal assumptions. *Physical Review D*, **2016**, 93,	4.9	94
162	Tests of General Relativity with GW150914. *Physical Review Letters*, **2016**, 116, 221101	7.4	837
161	Properties of the Binary Black Hole Merger GW150914. *Physical Review Letters*, **2016**, 116, 241102	7.4	515
160	GW151226: Observation of Gravitational Waves from a 22-Solar-Mass Binary Black Hole Coalescence. *Physical Review Letters*, **2016**, 116, 241103	7.4	2136
159	Binary Black Hole Mergers in the First Advanced LIGO Observing Run. *Physical Review X*, **2016**, 6,	9.1	723
158	ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. *Astrophysical Journal Letters*, **2016**, 818, L22	7.9	512
157	Observation of Gravitational Waves from a Binary Black Hole Merger. *Physical Review Letters*, **2016**, 116, 061102	7.4	6108
156	Investigation of the coupling between pump amplitude noise and differential phase noise in an Er,Yb:glass two-polarization dual-frequency solid-state laser. *Journal of the Optical Society of America B: Optical Physics*, **2016**, 33, 589	1.7	
155	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. *Classical and Quantum Gravity*, **2016**, 33,	3.3	155
154	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
153	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. *Living Reviews in Relativity*, **2016**, 19, 1	32.5	393
152	Improved Analysis of GW150914 Using a Fully Spin-Precessing Waveform Model. *Physical Review X*, **2016**, 6,	9.1	89
151	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
150	Frequency Stabilization of a Laser Tunable Over 1 THz in an All Fibered System. *IEEE Photonics Technology Letters*, **2016**, 28, 1249-1252	2.2	3

149	Searching for stochastic gravitational waves using data from the two colocated LIGO Hanford detectors. *Physical Review D*, **2015**, 91,	4.9	26
148	Directed search for gravitational waves from Scorpius X-1 with initial LIGO data. *Physical Review D*, **2015**, 91,	4.9	38
147	Characterization of the LIGO detectors during their sixth science run. *Classical and Quantum Gravity* , **2015**, 32, 115012	3.3	790
146	The Advanced Virgo detector. *Journal of Physics: Conference Series*, **2015**, 610, 012014	0.3	18
145	SEARCHES FOR CONTINUOUS GRAVITATIONAL WAVES FROM NINE YOUNG SUPERNOVA REMNANTS. *Astrophysical Journal*, **2015**, 813, 39	4.7	58
144	Advanced Virgo: a second-generation interferometric gravitational wave detector. *Classical and Quantum Gravity*, **2015**, 32, 024001	3.3	1567
143	Narrow-band search of continuous gravitational-wave signals from Crab and Vela pulsars in Virgo VSR4 data. *Physical Review D*, **2015**, 91,	4.9	32
142	Narrow Linewidth Tunable Terahertz Radiation By Photomixing Without Servo-Locking. *IEEE Transactions on Terahertz Science and Technology*, **2014**, 4, 260-266	3.4	16
141	Implementation of an $mathcal{F}$-statistic all-sky search for continuous gravitational waves in Virgo VSR1 data. *Classical and Quantum Gravity*, **2014**, 31, 165014	3.3	27
140	GRAVITATIONAL WAVES FROM KNOWN PULSARS: RESULTS FROM THE INITIAL DETECTOR ERA. *Astrophysical Journal*, **2014**, 785, 119	4.7	109
139	Application of a Hough search for continuous gravitational waves on data from the fifth LIGO science run. *Classical and Quantum Gravity*, **2014**, 31, 085014	3.3	18
138	The NINJA-2 project: detecting and characterizing gravitational waveforms modelled using numerical binary black hole simulations. *Classical and Quantum Gravity*, **2014**, 31, 115004	3.3	34
137	Search for gravitational wave ringdowns from perturbed intermediate mass black holes in LIGO-Virgo data from 2005–2010. *Physical Review D*, **2014**, 89,	4.9	26
136	Search for gravitational waves associated with γ-ray bursts detected by the interplanetary network. *Physical Review Letters*, **2014**, 113, 011102	7.4	30
135	Search for gravitational radiation from intermediate mass black hole binaries in data from the second LIGO-Virgo joint science run. *Physical Review D*, **2014**, 89,	4.9	32
134	Methods and results of a search for gravitational waves associated with gamma-ray bursts using the GEO 600, LIGO, and Virgo detectors. *Physical Review D*, **2014**, 89,	4.9	25
133	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	3.3	8
132	FIRST SEARCHES FOR OPTICAL COUNTERPARTS TO GRAVITATIONAL-WAVE CANDIDATE EVENTS. *Astrophysical Journal, Supplement Series*, **2014**, 211, 7	8	51

131	Dual frequency laser with two continuously and widely tunable frequencies for optical referencing of GHz to THz beatnotes. *Optics Express*, **2014**, 22, 17673-8	3.3	19
130	First all-sky search for continuous gravitational waves from unknown sources in binary systems. *Physical Review D*, **2014**, 90,	4.9	54
129	Constraints on cosmic strings from the LIGO-Virgo gravitational-wave detectors. *Physical Review Letters*, **2014**, 112, 131101	7.4	59
128	Improved upper limits on the stochastic gravitational-wave background from 2009-2010 LIGO and Virgo data. *Physical Review Letters*, **2014**, 113, 231101	7.4	74
127	Multimessenger search for sources of gravitational waves and high-energy neutrinos: Initial results for LIGO-Virgo and IceCube. *Physical Review D*, **2014**, 90,	4.9	25
126	GHz bandwidth noise eater hybrid optical amplifier: design guidelines. *Optics Letters*, **2014**, 39, 4239-42	3	10
125	Search for gravitational waves from binary black hole inspiral, merger, and ringdown in LIGO-Virgo data from 2009–2010. *Physical Review D*, **2013**, 87,	4.9	91
124	Search for long-lived gravitational-wave transients coincident with long gamma-ray bursts. *Physical Review D*, **2013**, 88,	4.9	30
123	A first search for coincident gravitational waves and high energy neutrinos using LIGO, Virgo and ANTARES data from 2007. *Journal of Cosmology and Astroparticle Physics*, **2013**, 2013, 008-008	6.4	29
122	Central heating radius of curvature correction (CHRoCC) for use in large scale gravitational wave interferometers. *Classical and Quantum Gravity*, **2013**, 30, 055017	3.3	9
121	Einstein@Home all-sky search for periodic gravitational waves in LIGO S5 data. *Physical Review D*, **2013**, 87,	4.9	84
120	Parameter estimation for compact binary coalescence signals with the first generation gravitational-wave detector network. *Physical Review D*, **2013**, 88,	4.9	122
119	Directed search for continuous gravitational waves from the Galactic center. *Physical Review D*, **2013**, 88,	4.9	57
118	All-sky search for gravitational-wave bursts in the second joint LIGO-Virgo run. *Physical Review D*, **2012**, 85,	4.9	96
117	Search for gravitational waves from intermediate mass binary black holes. *Physical Review D*, **2012**, 85,	4.9	46
116	Upper limits on a stochastic gravitational-wave background using LIGO and Virgo interferometers at 600–1000 Hz. *Physical Review D*, **2012**, 85,	4.9	40
115	Search for gravitational waves from low mass compact binary coalescence in LIGO's sixth science run and Virgo's science runs 2 and 3. *Physical Review D*, **2012**, 85,	4.9	172
114	All-sky search for periodic gravitational waves in the full S5 LIGO data. *Physical Review D*, **2012**, 85,	4.9	61

113	Publisher's Note: Search for gravitational waves from compact binary coalescence in LIGO and Virgo data from S5 and VSR1 [Phys. Rev. D 82, 102001 (2010)]. *Physical Review D*, **2012**, 85,	4.9	2
112	Virgo: a laser interferometer to detect gravitational waves. *Journal of Instrumentation*, **2012**, 7, P03012-P03012	1.212	
111	Characterization of the Virgo seismic environment. *Classical and Quantum Gravity*, **2012**, 29, 025005	3.3	4
110	SWIFT FOLLOW-UP OBSERVATIONS OF CANDIDATE GRAVITATIONAL-WAVE TRANSIENT EVENTS. *Astrophysical Journal, Supplement Series*, **2012**, 203, 28	8	57
109	The characterization of Virgo data and its impact on gravitational-wave searches. *Classical and Quantum Gravity*, **2012**, 29, 155002	3.3	59
108	Publisher's Note: All-sky search for gravitational-wave bursts in the first joint LIGO-GEO-Virgo run [Phys. Rev. D 81, 102001 (2010)]. *Physical Review D*, **2012**, 85,	4.9	3
107	First low-latency LIGO+Virgo search for binary inspirals and their electromagnetic counterparts. *Astronomy and Astrophysics*, **2012**, 541, A155	5.1	69
106	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	4.7	94
105	The NoEMi (Noise Frequency Event Miner) framework. *Journal of Physics: Conference Series*, **2012**, 363, 012037	0.3	10
104	Implementation and testing of the first prompt search for gravitational wave transients with electromagnetic counterparts. *Astronomy and Astrophysics*, **2012**, 539, A124	5.1	71
103	THE VIRGO INTERFEROMETER FOR GRAVITATIONAL WAVE DETECTION. *International Journal of Modern Physics D*, **2011**, 20, 2075-2079	2.2	4
102	Optomechanical issues in the gravitational wave detector Advanced VIRGO. *Comptes Rendus Physique*, **2011**, 12, 888-897	1.4	5
101	The Seismic Superattenuators of the Virgo Gravitational Waves Interferometer. *Journal of Low Frequency Noise Vibration and Active Control*, **2011**, 30, 63-79	1.5	19
100	SEARCH FOR GRAVITATIONAL WAVE BURSTS FROM SIX MAGNETARS. *Astrophysical Journal Letters*, **2011**, 734, L35	7.9	47
99	BEATING THE SPIN-DOWN LIMIT ON GRAVITATIONAL WAVE EMISSION FROM THE VELA PULSAR. *Astrophysical Journal*, **2011**, 737, 93	4.7	75
98	Automatic Alignment system during the second science run of the Virgo interferometer. *Astroparticle Physics*, **2011**, 34, 327-332	2.4	5
97	Performance of the Virgo interferometer longitudinal control system during the second science run. *Astroparticle Physics*, **2011**, 34, 521-527	2.4	10
96	Search for gravitational waves from binary black hole inspiral, merger, and ringdown. *Physical Review D*, **2011**, 83,	4.9	77

95	Calibration and sensitivity of the Virgo detector during its second science run. *Classical and Quantum Gravity*, **2011**, 28, 025005	3.3	83
94	A state observer for the Virgo inverted pendulum. *Review of Scientific Instruments*, **2011**, 82, 094502	1.7	6
93	Directional limits on persistent gravitational waves using LIGO S5 science data. *Physical Review Letters*, **2011**, 107, 271102	7.4	85
92	Status of the Virgo project. *Classical and Quantum Gravity*, **2011**, 28, 114002	3.3	140
91	SEARCHES FOR GRAVITATIONAL WAVES FROM KNOWN PULSARS WITH SCIENCE RUN 5 LIGO DATA. *Astrophysical Journal*, **2010**, 713, 671-685	4.7	140
90	Noise from scattered light in Virgo's second science run data. *Classical and Quantum Gravity*, **2010**, 27, 194011	3.3	31
89	40-GHz Photonic Synthesizer Using a Dual-Polarization Microlaser. *IEEE Photonics Technology Letters*, **2010**, 22, 1738-1740	2.2	20
88	Search for gravitational waves from compact binary coalescence in LIGO and Virgo data from S5 and VSR1. *Physical Review D*, **2010**, 82,	4.9	100
87	All-sky search for gravitational-wave bursts in the first joint LIGO-GEO-Virgo run. *Physical Review D*, **2010**, 81,	4.9	81
86	Predictions for the rates of compact binary coalescences observable by ground-based gravitational-wave detectors. *Classical and Quantum Gravity*, **2010**, 27, 173001	3.3	869
85	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	4.7	79
84	Commissioning status of the Virgo interferometer. *Classical and Quantum Gravity*, **2010**, 27, 149801	3.3	4
83	Tools for noise characterization in Virgo. *Journal of Physics: Conference Series*, **2010**, 243, 012004	0.3	
82	Virgo calibration and reconstruction of the gravitationnal wave strain during VSR1. *Journal of Physics: Conference Series*, **2010**, 228, 012015	0.3	7
81	Status and perspectives of the Virgo gravitational wave detector. *Journal of Physics: Conference Series*, **2010**, 203, 012074	0.3	22
80	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	4.7	54
79	Performances of the Virgo interferometer longitudinal control system. *Astroparticle Physics*, **2010**, 33, 75-80	2.4	8
78	Measurements of Superattenuator seismic isolation by Virgo interferometer. *Astroparticle Physics*, **2010**, 33, 182-189	2.4	54

77	Automatic Alignment for the first science run of the Virgo interferometer. *Astroparticle Physics*, **2010**, 33, 131-139	2.4	10
76	**2009**,		1
75	Laser with an in-loop relative frequency stability of 1.0□10□21 on a 100-ms time scale for gravitational-wave detection. *Physical Review A*, **2009**, 79,	2.6	6
74	Cleaning the Virgo sampled data for the search of periodic sources of gravitational waves. *Classical and Quantum Gravity*, **2009**, 26, 204002	3.3	5
73	Gravitational wave burst search in the Virgo C7 data. *Classical and Quantum Gravity*, **2009**, 26, 085009	3.3	15
72	Odyssey: a solar system mission. *Experimental Astronomy*, **2009**, 23, 529-547	1.3	41
71	Matter wave explorer of gravity (MWXG). *Experimental Astronomy*, **2009**, 23, 611-649	1.3	24
70	An upper limit on the stochastic gravitational-wave background of cosmological origin. *Nature*, **2009**, 460, 990-4	50.4	267
69	In-vacuum optical isolation changes by heating in a Faraday isolator. *Applied Optics*, **2008**, 47, 5853-61	0.2	10
68	The Real-Time Distributed Control of the Virgo Interferometric Detector of Gravitational Waves. *IEEE Transactions on Nuclear Science*, **2008**, 55, 302-310	1.7	4
67	First joint gravitational wave search by the AURIGA□EXPLORER□NAUTILUS□Virgo Collaboration. *Classical and Quantum Gravity*, **2008**, 25, 205007	3.3	11
66	The Virgo 3 km interferometer for gravitational wave detection. *Journal of Optics*, **2008**, 10, 064009		29
65	A cross-correlation method to search for gravitational wave bursts with AURIGA and Virgo. *Classical and Quantum Gravity*, **2008**, 25, 114046	3.3	
64	Search for gravitational waves associated with GRB 050915a using the Virgo detector. *Classical and Quantum Gravity*, **2008**, 25, 225001	3.3	23
63	Astrophysically triggered searches for gravitational waves: status and prospects. *Classical and Quantum Gravity*, **2008**, 25, 114051	3.3	24
62	Virgo status. *Classical and Quantum Gravity*, **2008**, 25, 184001	3.3	110
61	Noise studies during the first Virgo science run and after. *Classical and Quantum Gravity*, **2008**, 25, 184003	3.3	6
60	Data Acquisition System of the Virgo Gravitational Waves Interferometric Detector. *IEEE Transactions on Nuclear Science*, **2008**, 55, 225-232	1.7	3

59	VIRGO: a large interferometer for gravitational wave detection started its first scientific run. *Journal of Physics: Conference Series*, **2008**, 120, 032007	0.3	15
58	The status of virgo. *Journal of Physics: Conference Series*, **2008**, 110, 062025	0.3	1
57	Lock acquisition of the Virgo gravitational wave detector. *Astroparticle Physics*, **2008**, 30, 29-38	2.4	13
56	The Virgo interferometric gravitational antenna. *Optics and Lasers in Engineering*, **2007**, 45, 478-487	4.6	7
55	Improving the timing precision for inspiral signals found by interferometric gravitational wave detectors. *Classical and Quantum Gravity*, **2007**, 24, S617-S625	3.3	10
54	Gravitational waves by gamma-ray bursts and the Virgo detector: the case of GRB 050915a. *Classical and Quantum Gravity*, **2007**, 24, S671-S679	3.3	16
53	Coincidence analysis between periodic source candidates in C6 and C7 Virgo data. *Classical and Quantum Gravity*, **2007**, 24, S491-S499	3.3	13
52	Analysis of noise lines in the Virgo C7 data. *Classical and Quantum Gravity*, **2007**, 24, S433-S443	3.3	8
51	Data quality studies for burst analysis of Virgo data acquired during Weekly Science Runs. *Classical and Quantum Gravity*, **2007**, 24, S415-S422	3.3	4
50	Status of Virgo detector. *Classical and Quantum Gravity*, **2007**, 24, S381-S388	3.3	51
49	Status of coalescing binaries search activities in Virgo. *Classical and Quantum Gravity*, **2007**, 24, 5767-5775	3.3	8
48	Accurate measurement method of Fabry-Perot cavity parameters via optical transfer function. *Applied Optics*, **2007**, 46, 2611-4	1.7	9
47	Measurement of the optical parameters of the Virgo interferometer. *Applied Optics*, **2007**, 46, 3466-84	1.7	12
46	Length Sensing and Control in the Virgo Gravitational Wave Interferometer. *IEEE Transactions on Instrumentation and Measurement*, **2006**, 55, 1985-1995	5.2	3
45	The status of coalescing binaries search code in Virgo, and the analysis of C5 data. *Classical and Quantum Gravity*, **2006**, 23, S187-S196	3.3	6
44	Normal/independent noise in VIRGO data. *Classical and Quantum Gravity*, **2006**, 23, S829-S836	3.3	
43	The variable finesse locking technique. *Classical and Quantum Gravity*, **2006**, 23, S85-S89	3.3	19
42	The Virgo automatic alignment system. *Classical and Quantum Gravity*, **2006**, 23, S91-S101	3.3	13

41	The status of VIRGO. *Classical and Quantum Gravity*, **2006**, 23, S63-S69	3.3	79
40	Testing Virgo burst detection tools on commissioning run data. *Classical and Quantum Gravity*, **2006**, 23, S197-S205	3.3	3
39	The Virgo status. *Classical and Quantum Gravity*, **2006**, 23, S635-S642	3.3	166
38	Virgo upgrade investigations. *Journal of Physics: Conference Series*, **2006**, 32, 223-229	0.3	19
37	A parallel in-time analysis system for Virgo.. *Journal of Physics: Conference Series*, **2006**, 32, 35-43	0.3	
36	Environmental noise studies in Virgo. *Journal of Physics: Conference Series*, **2006**, 32, 80-88	0.3	3
35	Measurement of the seismic attenuation performance of the VIRGO Superattenuator. *Astroparticle Physics*, **2005**, 23, 557-565	2.4	69
34	Virgo and the worldwide search for gravitational waves. *AIP Conference Proceedings*, **2005**,	0	2
33	A simple line detection algorithm applied to Virgo data. *Classical and Quantum Gravity*, **2005**, 22, S1189-S1196	3.3	5
32	A first study of environmental noise coupling to the Virgo interferometer. *Classical and Quantum Gravity*, **2005**, 22, S1069-S1077	3.3	4
31	Virgo status and commissioning results. *Classical and Quantum Gravity*, **2005**, 22, S185-S191	3.3	2
30	NAP: a tool for noise data analysis. Application to Virgo engineering runs. *Classical and Quantum Gravity*, **2005**, 22, S1041-S1049	3.3	5
29	Testing the detection pipelines for inspirals with Virgo commissioning run C4 data. *Classical and Quantum Gravity*, **2005**, 22, S1139-S1148	3.3	5
28	Search for inspiralling binary events in the Virgo Engineering Run data. *Classical and Quantum Gravity*, **2004**, 21, S709-S716	3.3	11
27	Characterization of the LIGO 4 km Fabry–Perot cavities via their high-frequency dynamic responses to length and laser frequency variations. *Classical and Quantum Gravity*, **2004**, 21, S487-S492	3.3	14
26	The VIRGO large mirrors: a challenge for low loss coatings. *Classical and Quantum Gravity*, **2004**, 21, S935-S945	3.3	21
25	Status of VIRGO. *Classical and Quantum Gravity*, **2004**, 21, S385-S394	3.3	87
24	Results of the Virgo central interferometer commissioning. *Classical and Quantum Gravity*, **2004**, 21, S395-S402	3.3	4

23	The last-stage suspension of the mirrors for the gravitational wave antenna Virgo. *Classical and Quantum Gravity*, **2004**, 21, S425-S432	3.3	5
22	Properties of seismic noise at the Virgo site. *Classical and Quantum Gravity*, **2004**, 21, S433-S440	3.3	19
21	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	3.3	1
20	First locking of the Virgo central area interferometer with suspension hierarchical control. *Astroparticle Physics*, **2004**, 20, 629-640	2.4	12
19	The commissioning of the central interferometer of the Virgo gravitational wave detector. *Astroparticle Physics*, **2004**, 21, 1-22	2.4	18
18	Lock acquisition of the central interferometer of the gravitational wave detector Virgo. *Astroparticle Physics*, **2004**, 21, 465-477	2.4	3
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