

# Eric Chassande-Mottin

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

275  
papers

41,370  
citations

76  
h-index

202  
g-index

291  
ext. papers

51,674  
ext. citations

5.5  
avg. IF

4.98  
L-index

#	Paper	IF	Citations
275	Calibration of advanced Virgo and reconstruction of the detector strain $h(t)$ during the observing run O3. <i>Classical and Quantum Gravity</i> , <b>2022</b> , 39, 045006	3.3	2
274	Constraints on dark photon dark matter using data from LIGO $\mathbb{B}$ and Virgo $\mathbb{B}$ third observing run. <i>Physical Review D</i> , <b>2022</b> , 105,	4.9	2
273	Search for Gravitational Waves Associated with Gamma-Ray Bursts Detected by Fermi and Swift during the LIGO $\mathbb{V}$ irgo Run O3b. <i>Astrophysical Journal</i> , <b>2022</b> , 928, 186	4.7	1
272	Search of the early O3 LIGO data for continuous gravitational waves from the Cassiopeia A and Vela Jr. supernova remnants. <i>Physical Review D</i> , <b>2022</b> , 105,	4.9	4
271	All-sky search for short gravitational-wave bursts in the third Advanced LIGO and Advanced Virgo run. <i>Physical Review D</i> , <b>2021</b> , 104,	4.9	4
270	All-sky search for long-duration gravitational-wave bursts in the third Advanced LIGO and Advanced Virgo run. <i>Physical Review D</i> , <b>2021</b> , 104,	4.9	1
269	All-sky search for continuous gravitational waves from isolated neutron stars in the early O3 LIGO data. <i>Physical Review D</i> , <b>2021</b> , 104,	4.9	15
268	A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. <i>Astrophysical Journal</i> , <b>2021</b> , 909, 218	4.7	46
267	All-sky search in early O3 LIGO data for continuous gravitational-wave signals from unknown neutron stars in binary systems. <i>Physical Review D</i> , <b>2021</b> , 103,	4.9	15
266	Progenitors of low-mass binary black-hole mergers in the isolated binary evolution scenario. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 649, A114	5.1	8
265	Population Properties of Compact Objects from the Second LIGO $\mathbb{V}$ irgo Gravitational-Wave Transient Catalog. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 913, L7	7.9	194
264	Observation of Gravitational Waves from Two Neutron Star $\mathbb{B}$ Black Hole Coalescences. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 915, L5	7.9	142
263	Tests of general relativity with binary black holes from the second LIGO-Virgo gravitational-wave transient catalog. <i>Physical Review D</i> , <b>2021</b> , 103,	4.9	81
262	Constraints on Cosmic Strings Using Data from the Third Advanced LIGO-Virgo Observing Run. <i>Physical Review Letters</i> , <b>2021</b> , 126, 241102	7.4	21
261	GWTC-2: Compact Binary Coalescences Observed by LIGO and Virgo during the First Half of the Third Observing Run. <i>Physical Review X</i> , <b>2021</b> , 11,	9.1	311
260	The potential role of binary neutron star merger afterglows in multimessenger cosmology. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 652, A1	5.1	3
259	Upper limits on the isotropic gravitational-wave background from Advanced LIGO and Advanced Virgo $\mathbb{B}$ third observing run. <i>Physical Review D</i> , <b>2021</b> , 104,	4.9	33

258	Search for anisotropic gravitational-wave backgrounds using data from Advanced LIGO and Advanced Virgo's first three observing runs. <i>Physical Review D</i> , <b>2021</b> , 104,	4.9	12
257	Search for Gravitational Waves Associated with Gamma-Ray Bursts Detected by Fermi and Swift during the LIGO/Virgo Run O3a. <i>Astrophysical Journal</i> , <b>2021</b> , 915, 86	4.7	6
256	On the importance of source population models for gravitational-wave cosmology. <i>Physical Review D</i> , <b>2021</b> , 104,	4.9	5
255	Search for Lensing Signatures in the Gravitational-Wave Observations from the First Half of LIGO/Virgo's Third Observing Run. <i>Astrophysical Journal</i> , <b>2021</b> , 923, 14	4.7	4
254	GW190814: Gravitational Waves from the Coalescence of a 23 Solar Mass Black Hole with a 2.6 Solar Mass Compact Object. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 896, L44	7.9	57 <sup>1</sup>
253	GW190425: Observation of a Compact Binary Coalescence with Total Mass $\sim 3.4 M_{\odot}$ . <i>Astrophysical Journal Letters</i> , <b>2020</b> , 892, L3	7.9	59 <sup>1</sup>
252	Model comparison from LIGO/Virgo data on GW170817's binary components and consequences for the merger remnant. <i>Classical and Quantum Gravity</i> , <b>2020</b> , 37, 045006	3.3	69
251	A guide to LIGO/Virgo detector noise and extraction of transient gravitational-wave signals. <i>Classical and Quantum Gravity</i> , <b>2020</b> , 37, 055002	3.3	78
250	Advanced Virgo Status. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1342, 012010	0.3	8
249	Properties and Astrophysical Implications of the $150 M_{\odot}$ Binary Black Hole Merger GW190521. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 900, L13	7.9	207
248	Gravitational-wave Constraints on the Equatorial Ellipticity of Millisecond Pulsars. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 902, L21	7.9	32
247	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , <b>2020</b> , 23, 3	32.5	144
246	A Joint Fermi-GBM and LIGO/Virgo Analysis of Compact Binary Mergers from the First and Second Gravitational-wave Observing Runs. <i>Astrophysical Journal</i> , <b>2020</b> , 893, 100	4.7	9
245	GW190521: A Binary Black Hole Merger with a Total Mass of $150 M_{\odot}$ . <i>Physical Review Letters</i> , <b>2020</b> , 125, 101102	7.4	420
244	Quantum Backaction on kg-Scale Mirrors: Observation of Radiation Pressure Noise in the Advanced Virgo Detector. <i>Physical Review Letters</i> , <b>2020</b> , 125, 131101	7.4	17
243	GW190412: Observation of a binary-black-hole coalescence with asymmetric masses. <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	212
242	The advanced Virgo longitudinal control system for the O2 observing run. <i>Astroparticle Physics</i> , <b>2020</b> , 116, 102386	2.4	7
241	Optically targeted search for gravitational waves emitted by core-collapse supernovae during the first and second observing runs of advanced LIGO and advanced Virgo. <i>Physical Review D</i> , <b>2020</b> , 101,	4.9	36

240	Binary Black Hole Population Properties Inferred from the First and Second Observing Runs of Advanced LIGO and Advanced Virgo. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 882, L24	7.9	381
239	Directional limits on persistent gravitational waves using data from Advanced LIGO's first two observing runs. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	31
238	GWTC-1: A Gravitational-Wave Transient Catalog of Compact Binary Mergers Observed by LIGO and Virgo during the First and Second Observing Runs. <i>Physical Review X</i> , <b>2019</b> , 9,	9.1	1169
237	Search for the isotropic stochastic background using data from Advanced LIGO's second observing run. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	117
236	A Standard Siren Measurement of the Hubble Constant from GW170817 without the Electromagnetic Counterpart. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 871, L13	7.9	77
235	All-sky search for long-duration gravitational-wave transients in the second Advanced LIGO observing run. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	17
234	A Fermi Gamma-Ray Burst Monitor Search for Electromagnetic Signals Coincident with Gravitational-wave Candidates in Advanced LIGO's First Observing Run. <i>Astrophysical Journal</i> , <b>2019</b> , 871, 90	4.7	22
233	Searches for Continuous Gravitational Waves from 15 Supernova Remnants and Fomalhaut b with Advanced LIGO. <i>Astrophysical Journal</i> , <b>2019</b> , 875, 122	4.7	45
232	Search for Gravitational Waves from a Long-lived Remnant of the Binary Neutron Star Merger GW170817. <i>Astrophysical Journal</i> , <b>2019</b> , 875, 160	4.7	60
231	Low-latency Gravitational-wave Alerts for Multimessenger Astronomy during the Second Advanced LIGO and Virgo Observing Run. <i>Astrophysical Journal</i> , <b>2019</b> , 875, 161	4.7	49
230	Search for Transient Gravitational-wave Signals Associated with Magnetar Bursts during Advanced LIGO's Second Observing Run. <i>Astrophysical Journal</i> , <b>2019</b> , 874, 163	4.7	17
229	Narrow-band search for gravitational waves from known pulsars using the second LIGO observing run. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	43
228	Searches for Gravitational Waves from Known Pulsars at Two Harmonics in 2015–2017 LIGO Data. <i>Astrophysical Journal</i> , <b>2019</b> , 879, 10	4.7	63
227	All-sky search for continuous gravitational waves from isolated neutron stars using Advanced LIGO O2 data. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	81
226	All-sky search for short gravitational-wave bursts in the second Advanced LIGO and Advanced Virgo run. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	39
225	Tests of General Relativity with GW170817. <i>Physical Review Letters</i> , <b>2019</b> , 123, 011102	7.4	204
224	Search for Eccentric Binary Black Hole Mergers with Advanced LIGO and Advanced Virgo during Their First and Second Observing Runs. <i>Astrophysical Journal</i> , <b>2019</b> , 883, 149	4.7	36
223	Search for intermediate mass black hole binaries in the first and second observing runs of the Advanced LIGO and Virgo network. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	39

222	Search for Substellar Mass Ultracompact Binaries in Advanced LIGO's Second Observing Run. <i>Physical Review Letters</i> , <b>2019</b> , 123, 161102	7.4	68
221	Constraining the p-Mode-g-Mode Tidal Instability with GW170817. <i>Physical Review Letters</i> , <b>2019</b> , 122, 061104	7.4	22
220	Compact radio emission indicates a structured jet was produced by a binary neutron star merger. <i>Science</i> , <b>2019</b> , 363, 968-971	33.3	176
219	Astrophysical signal consistency test adapted for gravitational-wave transient searches. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	5
218	Gravitational wave observations, distance measurement uncertainties, and cosmology. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	7
217	Tests of general relativity with the binary black hole signals from the LIGO-Virgo catalog GWTC-1. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	258
216	Increasing the Astrophysical Reach of the Advanced Virgo Detector via the Application of Squeezed Vacuum States of Light. <i>Physical Review Letters</i> , <b>2019</b> , 123, 231108	7.4	134
215	Search for Gravitational-wave Signals Associated with Gamma-Ray Bursts during the Second Observing Run of Advanced LIGO and Advanced Virgo. <i>Astrophysical Journal</i> , <b>2019</b> , 886, 75	4.7	21
214	Search for gravitational waves from Scorpius X-1 in the second Advanced LIGO observing run with an improved hidden Markov model. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	31
213	Properties of the Binary Neutron Star Merger GW170817. <i>Physical Review X</i> , <b>2019</b> , 9,	9.1	423
212	Effects of data quality vetoes on a search for compact binary coalescences in Advanced LIGO's first observing run. <i>Classical and Quantum Gravity</i> , <b>2018</b> , 35, 065010	3.3	62
211	GW170817: Implications for the Stochastic Gravitational-Wave Background from Compact Binary Coalescences. <i>Physical Review Letters</i> , <b>2018</b> , 120, 091101	7.4	120
210	All-sky search for long-duration gravitational wave transients in the first Advanced LIGO observing run. <i>Classical and Quantum Gravity</i> , <b>2018</b> , 35, 065009	3.3	12
209	First Search for Nontensorial Gravitational Waves from Known Pulsars. <i>Physical Review Letters</i> , <b>2018</b> , 120, 031104	7.4	50
208	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , <b>2018</b> , 21, 3	32.5	543
207	Full band all-sky search for periodic gravitational waves in the O1 LIGO data. <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	37
206	Constraints on cosmic strings using data from the first Advanced LIGO observing run. <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	60
205	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA <b>2018</b> , 21, 1		2

204	Non-parametric characterization of gravitational-wave polarizations <b>2018</b> ,		2
203	Earthquake Early Warning Using Future Generation Gravity Strainmeters. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2018</b> , 123, 10,889	3.6	8
202	Search for Substellar-Mass Ultracompact Binaries in Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , <b>2018</b> , 121, 231103	7.4	49
201	Driving unmodeled gravitational-wave transient searches using astrophysical information. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	2
200	GW170817: Measurements of Neutron Star Radii and Equation of State. <i>Physical Review Letters</i> , <b>2018</b> , 121, 161101	7.4	867
199	Calibration of advanced Virgo and reconstruction of the gravitational wave signal $h(t)$ during the observing run O2. <i>Classical and Quantum Gravity</i> , <b>2018</b> , 35, 205004	3.3	35
198	Status of Advanced Virgo. <i>EPJ Web of Conferences</i> , <b>2018</b> , 182, 02003	0.3	4
197	The evolution of the X-ray afterglow emission of GW 170817/ GRB 170817A in XMM-Newton observations. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 613, L1	5.1	120
196	Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background. <i>Physical Review Letters</i> , <b>2018</b> , 120, 201102	7.4	60
195	All-sky search for short gravitational-wave bursts in the first Advanced LIGO run. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	54
194	Effects of waveform model systematics on the interpretation of GW150914. <i>Classical and Quantum Gravity</i> , <b>2017</b> , 34, 104002	3.3	74
193	Upper Limits on the Stochastic Gravitational-Wave Background from Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , <b>2017</b> , 118, 121101	7.4	137
192	Directional Limits on Persistent Gravitational Waves from Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , <b>2017</b> , 118, 121102	7.4	65
191	First Search for Gravitational Waves from Known Pulsars with Advanced LIGO. <i>Astrophysical Journal</i> , <b>2017</b> , 839, 12	4.7	107
190	The basic physics of the binary black hole merger GW150914. <i>Annalen Der Physik</i> , <b>2017</b> , 529, 1600209	2.6	45
189	GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence. <i>Physical Review Letters</i> , <b>2017</b> , 119, 141101	7.4	1270
188	Upper Limits on Gravitational Waves from Scorpius X-1 from a Model-based Cross-correlation Search in Advanced LIGO Data. <i>Astrophysical Journal</i> , <b>2017</b> , 847, 47	4.7	35
187	Spectroscopic identification of r-process nucleosynthesis in a double neutron-star merger. <i>Nature</i> , <b>2017</b> , 551, 67-70	50.4	444

186	GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. <i>Physical Review Letters</i> , <b>2017</b> , 119, 161101	7.4	4272
185	Multi-messenger Observations of a Binary Neutron Star Merger. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 848, L12	7.9	1935
184	Gravitational Waves and Gamma-Rays from a Binary Neutron Star Merger: GW170817 and GRB 170817A. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 848, L13	7.9	1614
183	Search for intermediate mass black hole binaries in the first observing run of Advanced LIGO. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	64
182	Where and When: Optimal Scheduling of the Electromagnetic Follow-up of Gravitational-wave Events Based on Counterpart Light-curve Models. <i>Astrophysical Journal</i> , <b>2017</b> , 846, 62	4.7	25
181	All-sky search for periodic gravitational waves in the O1 LIGO data. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	54
180	Search for Gravitational Waves Associated with Gamma-Ray Bursts during the First Advanced LIGO Observing Run and Implications for the Origin of GRB 150906B. <i>Astrophysical Journal</i> , <b>2017</b> , 841, 89	4.7	42
179	Search for Post-merger Gravitational Waves from the Remnant of the Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 851, L16	7.9	133
178	Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated with GW170817. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 850, L39	7.9	127
177	GW170104: Observation of a 50-Solar-Mass Binary Black Hole Coalescence at Redshift 0.2. <i>Physical Review Letters</i> , <b>2017</b> , 118, 221101	7.4	1609
176	Search for continuous gravitational waves from neutron stars in globular cluster NGC 6544. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	14
175	Search for gravitational waves from Scorpius X-1 in the first Advanced LIGO observing run with a hidden Markov model. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	47
174	Status of the Advanced Virgo gravitational wave detector. <i>International Journal of Modern Physics A</i> , <b>2017</b> , 32, 1744003	1.2	5
173	First narrow-band search for continuous gravitational waves from known pulsars in advanced detector data. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	39
172	First low-frequency Einstein@Home all-sky search for continuous gravitational waves in Advanced LIGO data. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	54
171	On the Progenitor of Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 850, L40	7.9	50
170	GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 851, L35	7.9	809
169	LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. <i>Astrophysical Journal Letters</i> , <b>2016</b> , 826, L13	7.9	183



168	Comprehensive all-sky search for periodic gravitational waves in the sixth science run LIGO data. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	28
167	Prompt gravity signal induced by the 2011 Tohoku-Oki earthquake. <i>Nature Communications</i> , <b>2016</b> , 7, 13349	17.4	39
166	First targeted search for gravitational-wave bursts from core-collapse supernovae in data of first-generation laser interferometer detectors. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	43
165	UPPER LIMITS ON THE RATES OF BINARY NEUTRON STAR AND NEUTRON STARBLACK HOLE MERGERS FROM ADVANCED LIGO'S FIRST OBSERVING RUN. <i>Astrophysical Journal Letters</i> , <b>2016</b> , 832, L21	7.9	130
164	Directly comparing GW150914 with numerical solutions of Einstein's equations for binary black hole coalescence. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	76
163	All-sky search for long-duration gravitational wave transients with initial LIGO. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	27
162	Search of the Orion spur for continuous gravitational waves using a loosely coherent algorithm on data from LIGO interferometers. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	14
161	First low frequency all-sky search for continuous gravitational wave signals. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	29
160	GW150914: First results from the search for binary black hole coalescence with Advanced LIGO. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	253
159	Search for transient gravitational waves in coincidence with short-duration radio transients during 2007-2013. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	10
158	GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes. <i>Physical Review Letters</i> , <b>2016</b> , 116, 131102	7.4	188
157	GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. <i>Physical Review Letters</i> , <b>2016</b> , 116, 131103	7.4	328
156	SUPPLEMENT: LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914 (2016, ApJL, 826, L13). <i>Astrophysical Journal, Supplement Series</i> , <b>2016</b> , 225, 8	8	38
155	Observing gravitational-wave transient GW150914 with minimal assumptions. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	94
154	Tests of General Relativity with GW150914. <i>Physical Review Letters</i> , <b>2016</b> , 116, 221101	7.4	837
153	Properties of the Binary Black Hole Merger GW150914. <i>Physical Review Letters</i> , <b>2016</b> , 116, 241102	7.4	515
152	GW151226: Observation of Gravitational Waves from a 22-Solar-Mass Binary Black Hole Coalescence. <i>Physical Review Letters</i> , <b>2016</b> , 116, 241103	7.4	2136
151	Binary Black Hole Mergers in the First Advanced LIGO Observing Run. <i>Physical Review X</i> , <b>2016</b> , 6,	9.1	723



150	ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. <i>Astrophysical Journal Letters</i> , <b>2016</b> , 818, L22	7.9	512
149	Observation of Gravitational Waves from a Binary Black Hole Merger. <i>Physical Review Letters</i> , <b>2016</b> , 116, 061102	7.4	6108
148	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. <i>Classical and Quantum Gravity</i> , <b>2016</b> , 33,	3.3	155
147	SUPPLEMENT: THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914(2016, ApJL, 833, L1). <i>Astrophysical Journal, Supplement Series</i> , <b>2016</b> , 227, 14	8	52
146	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. <i>Living Reviews in Relativity</i> , <b>2016</b> , 19, 1	32.5	393
145	Improved Analysis of GW150914 Using a Fully Spin-Precessing Waveform Model. <i>Physical Review X</i> , <b>2016</b> , 6,	9.1	89
144	Results of the deepest all-sky survey for continuous gravitational waves on LIGO S6 data running on the Einstein@Home volunteer distributed computing project. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	29
143	THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914. <i>Astrophysical Journal Letters</i> , <b>2016</b> , 833, L1	7.9	209
142			
141	Searching for stochastic gravitational waves using data from the two colocated LIGO Hanford detectors. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	26
140	NenUFAR: Instrument description and science case <b>2015</b> ,		8
139	Directed search for gravitational waves from Scorpius X-1 with initial LIGO data. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	38
138	Characterization of the LIGO detectors during their sixth science run. <i>Classical and Quantum Gravity</i> , <b>2015</b> , 32, 115012	3.3	790
137	The Advanced Virgo detector. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 610, 012014	0.3	18
136	Transient gravity perturbations induced by earthquake rupture. <i>Geophysical Journal International</i> , <b>2015</b> , 201, 1416-1425	2.6	36
135	SEARCHES FOR CONTINUOUS GRAVITATIONAL WAVES FROM NINE YOUNG SUPERNOVA REMNANTS. <i>Astrophysical Journal</i> , <b>2015</b> , 813, 39	4.7	58
134	Narrow-band search of continuous gravitational-wave signals from Crab and Vela pulsars in Virgo VSR4 data. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	32
133	GRAVITATIONAL WAVES FROM KNOWN PULSARS: RESULTS FROM THE INITIAL DETECTOR ERA. <i>Astrophysical Journal</i> , <b>2014</b> , 785, 119	4.7	109

132	Application of a Hough search for continuous gravitational waves on data from the fifth LIGO science run. <i>Classical and Quantum Gravity</i> , <b>2014</b> , 31, 085014	3-3	18
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