Nelson Christensen

List of Publications by Year in Descending Order

Source: https://exaly.com/author-pdf/5683747/nelson-christensen-publications-by-year.pdf
Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

364 papers	51,278 citations	87 h-index	222 g-index
396 ext. papers	63,023 ext. citations	5.4 avg, IF	5.95 L-index

#	Paper	IF	Citations
364	Search for continuous gravitational waves from 20 accreting millisecond x-ray pulsars in O3 LIGO data. *Physical Review D*, **2022**, 105,	4.9	9
363	Calibration of advanced Virgo and reconstruction of the detector strain h(t) during the observing run O3. *Classical and Quantum Gravity*, **2022**, 39, 045006	3.3	2
362	Ability of LISA to detect a gravitational-wave background of cosmological origin: The cosmic string case. *Physical Review D*, **2022**, 105,	4.9	3
361	Search of the early O3 LIGO data for continuous gravitational waves from the Cassiopeia A and Vela Jr. supernova remnants. *Physical Review D*, **2022**, 105,	4.9	4
360	Searches for Modulated Ray Precursors to Compact Binary Mergers in Fermi-GBM Data. *Astrophysical Journal*, **2022**, 930, 45	4.7	0
359	Impact of Schumann resonances on the Einstein Telescope and projections for the magnetic coupling function. *Physical Review D*, **2021**, 104,	4.9	3
358	Searches for Continuous Gravitational Waves from Young Supernova Remnants in the Early Third Observing Run of Advanced LIGO and Virgo. *Astrophysical Journal*, **2021**, 921, 80	4.7	10
357	Constraints from LIGO O3 Data on Gravitational-wave Emission Due to R-modes in the Glitching Pulsar PSR J0537 6910. *Astrophysical Journal*, **2021**, 922, 71	4.7	8
356	All-sky search for continuous gravitational waves from isolated neutron stars in the early O3 LIGO data. *Physical Review D*, **2021**, 104,	4.9	15
355	A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. *Astrophysical Journal*, **2021**, 909, 218	4.7	46
354	Inference of protoneutron star properties from gravitational-wave data in core-collapse supernovae. *Physical Review D*, **2021**, 103,	4.9	7
353	All-sky search in early O3 LIGO data for continuous gravitational-wave signals from unknown neutron stars in binary systems. *Physical Review D*, **2021**, 103,	4.9	15
352	Spectral separation of the stochastic gravitational-wave background for LISA: Observing both cosmological and astrophysical backgrounds. *Physical Review D*, **2021**, 103,	4.9	10
351	Diving below the Spin-down Limit: Constraints on Gravitational Waves from the Energetic Young Pulsar PSR J0537-6910. *Astrophysical Journal Letters*, **2021**, 913, L27	7.9	13
350	Population Properties of Compact Objects from the Second LIGO Virgo Gravitational-Wave Transient Catalog. *Astrophysical Journal Letters*, **2021**, 913, L7	7.9	194
349	Observation of Gravitational Waves from Two Neutron Star Black Hole Coalescences. *Astrophysical Journal Letters*, **2021**, 915, L5	7.9	142
348	Tests of general relativity with binary black holes from the second LIGO-Virgo gravitational-wave transient catalog. *Physical Review D*, **2021**, 103,	4.9	81

347	Constraints on Cosmic Strings Using Data from the Third Advanced LIGO-Virgo Observing Run. *Physical Review Letters*, **2021**, 126, 241102	7.4	21
346	Predicting electromagnetic counterparts using low-latency gravitational-wave data products. *Monthly Notices of the Royal Astronomical Society*, **2021**, 505, 4235-4248	4.3	5
345	GWTC-2: Compact Binary Coalescences Observed by LIGO and Virgo during the First Half of the Third Observing Run. *Physical Review X*, **2021**, 11,	9.1	311
344	Upper limits on the isotropic gravitational-wave background from Advanced LIGO and Advanced Virgo's third observing run. *Physical Review D*, **2021**, 104,	4.9	33
343	Search for anisotropic gravitational-wave backgrounds using data from Advanced LIGO and Advanced Virgo's first three observing runs. *Physical Review D*, **2021**, 104,	4.9	12
342	Comparing inclination-dependent analyses of kilonova transients. *Monthly Notices of the Royal Astronomical Society*, **2021**, 502, 3057-3065	4.3	16
341	Simultaneous estimation of astrophysical and cosmological stochastic gravitational-wave backgrounds with terrestrial detectors. *Physical Review D*, **2021**, 103,	4.9	12
340	Higher-order Hermite-Gauss modes for gravitational waves detection. *Physical Review D*, **2021**, 103,	4.9	5
339	Search for Gravitational Waves Associated with Gamma-Ray Bursts Detected by Fermi and Swift during the LIGO–Virgo Run O3a. *Astrophysical Journal*, **2021**, 915, 86	4.7	6
338	Search for Long-duration Gravitational-wave Signals Associated with Magnetar Giant Flares. *Astrophysical Journal*, **2021**, 918, 80	4.7	3
337	Spectral separation of the stochastic gravitational-wave background for LISA in the context of a modulated Galactic foreground. *Monthly Notices of the Royal Astronomical Society*, **2021**, 508, 803-826	4.3	5
336	Identification of a Local Sample of Gamma-Ray Bursts Consistent with a Magnetar Giant Flare Origin. *Astrophysical Journal Letters*, **2021**, 907, L28	7.9	12
335	Search for Lensing Signatures in the Gravitational-Wave Observations from the First Half of LIGO–Virgo's Third Observing Run. *Astrophysical Journal*, **2021**, 923, 14	4.7	4
334	Identifying and addressing nonstationary LISA noise. *Physical Review D*, **2020**, 102,	4.9	7
333	GW190814: Gravitational Waves from the Coalescence of a 23 Solar Mass Black Hole with a 2.6 Solar Mass Compact Object. *Astrophysical Journal Letters*, **2020**, 896, L44	7.9	571
332	GW190425: Observation of a Compact Binary Coalescence with Total Mass ~ 3.4 M ?. *Astrophysical Journal Letters*, **2020**, 892, L3	7.9	591
331	Numerical solutions for phase noise due to pointing jitter with the LISA telescope. *Journal of Physics Communications*, **2020**, 4, 045005	1.2	2
330	Model comparison from LIGO–Virgo data on GW170817's binary components and consequences for the merger remnant. *Classical and Quantum Gravity*, **2020**, 37, 045006	3.3	69

329	A guide to LIGO–Virgo detector noise and extraction of transient gravitational-wave signals. *Classical and Quantum Gravity*, **2020**, 37, 055002	3.3	78
328	Advanced Virgo Status. *Journal of Physics: Conference Series*, **2020**, 1342, 012010	0.3	8
327	Detecting a stochastic gravitational-wave background in the presence of correlated magnetic noise. *Physical Review D*, **2020**, 102,	4.9	14
326	Standardizing kilonovae and their use as standard candles to measure the Hubble constant. *Physical Review Research*, **2020**, 2,	3.9	21
325	Properties and Astrophysical Implications of the 150 M ? Binary Black Hole Merger GW190521. *Astrophysical Journal Letters*, **2020**, 900, L13	7.9	207
324	Gravitational-wave Constraints on the Equatorial Ellipticity of Millisecond Pulsars. *Astrophysical Journal Letters*, **2020**, 902, L21	7.9	32
323	Search for advanced LIGO single interferometer compact binary coalescence signals in coincidence with Gamma-ray events in Fermi-GBM. *Classical and Quantum Gravity*, **2020**, 37, 175001	3.3	2
322	ELGAR– European Laboratory for Gravitation and Atom-interferometric Research. *Classical and Quantum Gravity*, **2020**, 37, 225017	3.3	24
321	The first six months of the Advanced LIGO– and Advanced Virgo– third observing run with GRANDMA. *Monthly Notices of the Royal Astronomical Society*, **2020**, 492, 3904-3927	4.3	29
320	GRANDMA observations of advanced LIGO– and advanced Virgo– third observational campaign. *Monthly Notices of the Royal Astronomical Society*, **2020**, 497, 5518-5539	4.3	29
319	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. *Living Reviews in Relativity*, **2020**, 23, 3	32.5	144
318	Using machine learning for transient classification in searches for gravitational-wave counterparts. *Monthly Notices of the Royal Astronomical Society*, **2020**, 497, 1320-1331	4.3	4
317	A Joint Fermi-GBM and LIGO/Virgo Analysis of Compact Binary Mergers from the First and Second Gravitational-wave Observing Runs. *Astrophysical Journal*, **2020**, 893, 100	4.7	9
316	GW190521: A Binary Black Hole Merger with a Total Mass of 150 M_{?}. *Physical Review Letters*, **2020**, 125, 101102	7.4	420
315	Quantum Backaction on kg-Scale Mirrors: Observation of Radiation Pressure Noise in the Advanced Virgo Detector. *Physical Review Letters*, **2020**, 125, 131101	7.4	17
314	Computational techniques for parameter estimation of gravitational wave signals. *Wiley Interdisciplinary Reviews: Computational Statistics*, **2020**, e1532	1.4	0
313	GW190412: Observation of a binary-black-hole coalescence with asymmetric masses. *Physical Review D*, **2020**, 102,	4.9	212
312	Measuring the Hubble constant with a sample of kilonovae. *Nature Communications*, **2020**, 11, 4129	17.4	18

311	The advanced Virgo longitudinal control system for the O2 observing run. *Astroparticle Physics*, **2020**, 116, 102386	2.4	7
310	Optically targeted search for gravitational waves emitted by core-collapse supernovae during the first and second observing runs of advanced LIGO and advanced Virgo. *Physical Review D*, **2020**, 101,	4.9	36
309	Binary Black Hole Population Properties Inferred from the First and Second Observing Runs of Advanced LIGO and Advanced Virgo. *Astrophysical Journal Letters*, **2019**, 882, L24	7.9	381
308	LISA telescope: phase noise due to pointing jitter. *Classical and Quantum Gravity*, **2019**, 36, 205003	3.3	2
307	Directional limits on persistent gravitational waves using data from Advanced LIGO's first two observing runs. *Physical Review D*, **2019**, 100,	4.9	31
306	GWTC-1: A Gravitational-Wave Transient Catalog of Compact Binary Mergers Observed by LIGO and Virgo during the First and Second Observing Runs. *Physical Review X*, **2019**, 9,	9.1	1169
305	Search for the isotropic stochastic background using data from Advanced LIGO's second observing run. *Physical Review D*, **2019**, 100,	4.9	117
304	A Standard Siren Measurement of the Hubble Constant from GW170817 without the Electromagnetic Counterpart. *Astrophysical Journal Letters*, **2019**, 871, L13	7.9	77
303	All-sky search for long-duration gravitational-wave transients in the second Advanced LIGO observing run. *Physical Review D*, **2019**, 99,	4.9	17
302	A Fermi Gamma-Ray Burst Monitor Search for Electromagnetic Signals Coincident with Gravitational-wave Candidates in Advanced LIGO's First Observing Run. *Astrophysical Journal*, **2019**, 871, 90	4.7	22
301	Searches for Continuous Gravitational Waves from 15 Supernova Remnants and Fomalhaut b with Advanced LIGO. *Astrophysical Journal*, **2019**, 875, 122	4.7	45
300	Search for Gravitational Waves from a Long-lived Remnant of the Binary Neutron Star Merger GW170817. *Astrophysical Journal*, **2019**, 875, 160	4.7	60
299	Low-latency Gravitational-wave Alerts for Multimessenger Astronomy during the Second Advanced LIGO and Virgo Observing Run. *Astrophysical Journal*, **2019**, 875, 161	4.7	49
298	Search for Transient Gravitational-wave Signals Associated with Magnetar Bursts during Advanced LIGO's Second Observing Run. *Astrophysical Journal*, **2019**, 874, 163	4.7	17
297	Stepping-stone sampling algorithm for calculating the evidence of gravitational wave models. *Physical Review D*, **2019**, 99,	4.9	4
296	Narrow-band search for gravitational waves from known pulsars using the second LIGO observing run. *Physical Review D*, **2019**, 99,	4.9	43
295	Searches for Gravitational Waves from Known Pulsars at Two Harmonics in 2015–2017 LIGO Data. *Astrophysical Journal*, **2019**, 879, 10	4.7	63
294	All-sky search for continuous gravitational waves from isolated neutron stars using Advanced LIGO O2 data. *Physical Review D*, **2019**, 100,	4.9	81

293	All-sky search for short gravitational-wave bursts in the second Advanced LIGO and Advanced Virgo run. *Physical Review D*, **2019**, 100,	4.9	39
292	Tests of General Relativity with GW170817. *Physical Review Letters*, **2019**, 123, 011102	7.4	204
291	Optimizing multitelescope observations of gravitational-wave counterparts. *Monthly Notices of the Royal Astronomical Society*, **2019**, 489, 5775-5783	4.3	25
290	Search for Eccentric Binary Black Hole Mergers with Advanced LIGO and Advanced Virgo during Their First and Second Observing Runs. *Astrophysical Journal*, **2019**, 883, 149	4.7	36
289	Search for intermediate mass black hole binaries in the first and second observing runs of the Advanced LIGO and Virgo network. *Physical Review D*, **2019**, 100,	4.9	39
288	Fermi-GBM Follow-up of LIGO-Virgo Binary Black Hole Mergers: Detection Prospects. *Astrophysical Journal*, **2019**, 882, 53	4.7	4
287	Search for Subsolar Mass Ultracompact Binaries in Advanced LIGO's Second Observing Run. *Physical Review Letters*, **2019**, 123, 161102	7.4	68
286	Constraining the p-Mode-g-Mode Tidal Instability with GW170817. *Physical Review Letters*, **2019**, 122, 061104	7.4	22
285	Tests of general relativity with the binary black hole signals from the LIGO-Virgo catalog GWTC-1. *Physical Review D*, **2019**, 100,	4.9	258
284	Increasing the Astrophysical Reach of the Advanced Virgo Detector via the Application of Squeezed Vacuum States of Light. *Physical Review Letters*, **2019**, 123, 231108	7.4	134
283	Search for Gravitational-wave Signals Associated with Gamma-Ray Bursts during the Second Observing Run of Advanced LIGO and Advanced Virgo. *Astrophysical Journal*, **2019**, 886, 75	4.7	21
282	Search for gravitational waves from Scorpius X-1 in the second Advanced LIGO observing run with an improved hidden Markov model. *Physical Review D*, **2019**, 100,	4.9	31
281	Properties of the Binary Neutron Star Merger GW170817. *Physical Review X*, **2019**, 9,	9.1	423
280	Stochastic gravitational wave backgrounds. *Reports on Progress in Physics*, **2019**, 82, 016903	14.4	83
279	Bayesian nonparametric spectral density estimation using B-spline priors. *Statistics and Computing*, **2019**, 29, 67-78	1.8	17
278	Effects of data quality vetoes on a search for compact binary coalescences in Advanced LIGO's first observing run. *Classical and Quantum Gravity*, **2018**, 35, 065010	3.3	62
277	GW170817: Implications for the Stochastic Gravitational-Wave Background from Compact Binary Coalescences. *Physical Review Letters*, **2018**, 120, 091101	7.4	120
276	All-sky search for long-duration gravitational wave transients in the first Advanced LIGO observing run. *Classical and Quantum Gravity*, **2018**, 35, 065009	3.3	12

275	On the Interpretation of the Fermi -GBM Transient Observed in Coincidence with LIGO Gravitational-wave Event GW150914. *Astrophysical Journal Letters*, **2018**, 853, L9	7.9	23
274	First Search for Nontensorial Gravitational Waves from Known Pulsars. *Physical Review Letters*, **2018**, 120, 031104	7.4	50
273	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. *Living Reviews in Relativity*, **2018**, 21, 3	32.5	543
272	Identification and mitigation of narrow spectral artifacts that degrade searches for persistent gravitational waves in the first two observing runs of Advanced LIGO. *Physical Review D*, **2018**, 97,	4.9	77
271	Optimizing searches for electromagnetic counterparts of gravitational wave triggers. *Monthly Notices of the Royal Astronomical Society*, **2018**, 478, 692-702	4.3	36
270	Full band all-sky search for periodic gravitational waves in the O1 LIGO data. *Physical Review D*, **2018**, 97,	4.9	37
269	Constraints on cosmic strings using data from the first Advanced LIGO observing run. *Physical Review D*, **2018**, 97,	4.9	60
268	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA **2018**, 21, 1		2
267	Fermi GBM Observations of GRB 150101B: A Second Nearby Event with a Short Hard Spike and a Soft Tail. *Astrophysical Journal Letters*, **2018**, 863, L34	7.9	22
266	Search for Subsolar-Mass Ultracompact Binaries in Advanced LIGO's First Observing Run. *Physical Review Letters*, **2018**, 121, 231103	7.4	49
265	GW170817: Measurements of Neutron Star Radii and Equation of State. *Physical Review Letters*, **2018**, 121, 161101	7.4	867
264	Calibration of advanced Virgo and reconstruction of the gravitational wave signal h (t) during the observing run O2. *Classical and Quantum Gravity*, **2018**, 35, 205004	3.3	35
263	Status of Advanced Virgo. *EPJ Web of Conferences*, **2018**, 182, 02003	0.3	4
262	Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background. *Physical Review Letters*, **2018**, 120, 201102	7.4	60
261	Optimizing signal recycling for detecting a stochastic gravitational-wave background. *Classical and Quantum Gravity*, **2018**, 35, 125002	3.3	1
260	Gravitational Wave Detection **2018**, 432-444		0
259	Exploring the sensitivity of next generation gravitational wave detectors. *Classical and Quantum Gravity*, **2017**, 34, 044001	3.3	454
258	SEARCHING THE GAMMA-RAY SKY FOR COUNTERPARTS TO GRAVITATIONAL WAVE SOURCES:FERMIGAMMA-RAY BURST MONITORAND LARGE AREA TELESCOPE OBSERVATIONS OF LVT151012 AND GW151226. *Astrophysical Journal*, **2017**, 835, 82	4.7	29

257	All-sky search for short gravitational-wave bursts in the first Advanced LIGO run. *Physical Review D*, **2017**, 95,	4.9	54
256	Effects of waveform model systematics on the interpretation of GW150914. *Classical and Quantum Gravity*, **2017**, 34, 104002	3.3	74
255	Calibration of the Advanced LIGO detectors for the discovery of the binary black-hole merger GW150914. *Physical Review D*, **2017**, 95,	4.9	60
254	Upper Limits on the Stochastic Gravitational-Wave Background from Advanced LIGO's First Observing Run. *Physical Review Letters*, **2017**, 118, 121101	7.4	137
253	Directional Limits on Persistent Gravitational Waves from Advanced LIGO's First Observing Run. *Physical Review Letters*, **2017**, 118, 121102	7.4	65
252	First Search for Gravitational Waves from Known Pulsars with Advanced LIGO. *Astrophysical Journal* , **2017**, 839, 12	4.7	107
251	Globally coherent short duration magnetic field transients and their effect on ground based gravitational-wave detectors. *Classical and Quantum Gravity*, **2017**, 34, 074002	3.3	19
250	The basic physics of the binary black hole merger GW150914. *Annalen Der Physik*, **2017**, 529, 1600209	2.6	45
249	GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence. *Physical Review Letters*, **2017**, 119, 141101	7.4	1270
248	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
247	GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. *Physical Review Letters*, **2017**, 119, 161101	7.4	4272
246	An Ordinary Short Gamma-Ray Burst with Extraordinary Implications: Fermi -GBM Detection of GRB 170817A. *Astrophysical Journal Letters*, **2017**, 848, L14	7.9	753
245	Multi-messenger Observations of a Binary Neutron Star Merger. *Astrophysical Journal Letters*, **2017**, 848, L12	7.9	1935
244	Gravitational Waves and Gamma-Rays from a Binary Neutron Star Merger: GW170817 and GRB 170817A. *Astrophysical Journal Letters*, **2017**, 848, L13	7.9	1614
243	Fermi Observations of the LIGO Event GW170104. *Astrophysical Journal Letters*, **2017**, 846, L5	7.9	11
242	Search for intermediate mass black hole binaries in the first observing run of Advanced LIGO. *Physical Review D*, **2017**, 96,	4.9	64
241	All-sky search for periodic gravitational waves in the O1 LIGO data. *Physical Review D*, **2017**, 96,	4.9	54
240	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

239	Digging Deeper: Observing Primordial Gravitational Waves below the Binary-Black-Hole-Produced Stochastic Background. *Physical Review Letters*, **2017**, 118, 151105	7.4	61
238	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
237	Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated with GW170817. *Astrophysical Journal Letters*, **2017**, 850, L39	7.9	127
236	Polarization-Based Tests of Gravity with the Stochastic Gravitational-Wave Background. *Physical Review X*, **2017**, 7,	9.1	50
235	GW170104: Observation of a 50-Solar-Mass Binary Black Hole Coalescence at Redshift 0.2. *Physical Review Letters*, **2017**, 118, 221101	7.4	1609
234	Search for continuous gravitational waves from neutron stars in globular cluster NGC 6544. *Physical Review D*, **2017**, 95,	4.9	14
233	Search for gravitational waves from Scorpius X-1 in the first Advanced LIGO observing run with a hidden Markov model. *Physical Review D*, **2017**, 95,	4.9	47
232	Status of the Advanced Virgo gravitational wave detector. *International Journal of Modern Physics A* , **2017**, 32, 1744003	1.2	5
231	First narrow-band search for continuous gravitational waves from known pulsars in advanced detector data. *Physical Review D*, **2017**, 96,	4.9	39
230	First low-frequency Einstein@Home all-sky search for continuous gravitational waves in Advanced LIGO data. *Physical Review D*, **2017**, 96,	4.9	54
229	On the Progenitor of Binary Neutron Star Merger GW170817. *Astrophysical Journal Letters*, **2017**, 850, L40	7.9	50
228	GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. *Astrophysical Journal Letters*, **2017**, 851, L35	7.9	809
227	LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. *Astrophysical Journal Letters*, **2016**, 826, L13	7.9	183
226	Comprehensive all-sky search for periodic gravitational waves in the sixth science run LIGO data. *Physical Review D*, **2016**, 94,	4.9	28
225	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
224	UPPER LIMITS ON THE RATES OF BINARY NEUTRON STAR AND NEUTRON STAR–BLACK HOLE MERGERS FROM ADVANCED LIGO'S FIRST OBSERVING RUN. *Astrophysical Journal Letters*, **2016**, 832, L21	7.9	130
223	Directly comparing GW150914 with numerical solutions of Einstein's equations for binary black hole coalescence. *Physical Review D*, **2016**, 94,	4.9	76
222	All-sky search for long-duration gravitational wave transients with initial LIGO. *Physical Review D*, **2016**, 93,	4.9	27

221	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
220	First low frequency all-sky search for continuous gravitational wave signals. *Physical Review D*, **2016**, 93,	4.9	29
219	GW150914: First results from the search for binary black hole coalescence with Advanced LIGO. *Physical Review D*, **2016**, 93,	4.9	253
218	Search for transient gravitational waves in coincidence with short-duration radio transients during 2007–2013. *Physical Review D*, **2016**, 93,	4.9	10
217	GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes. *Physical Review Letters*, **2016**, 116, 131102	7.4	188
216	GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. *Physical Review Letters*, **2016**, 116, 131103	7.4	328
215	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
214	FERMI GBM OBSERVATIONS OF LIGO GRAVITATIONAL-WAVE EVENT GW150914. *Astrophysical Journal Letters*, **2016**, 826, L6	7.9	219
213	Observing gravitational-wave transient GW150914 with minimal assumptions. *Physical Review D*, **2016**, 93,	4.9	94
212	Tests of General Relativity with GW150914. *Physical Review Letters*, **2016**, 116, 221101	7.4	837
211	Properties of the Binary Black Hole Merger GW150914. *Physical Review Letters*, **2016**, 116, 241102	7.4	515
210	GW151226: Observation of Gravitational Waves from a 22-Solar-Mass Binary Black Hole Coalescence. *Physical Review Letters*, **2016**, 116, 241103	7.4	2136
209	Binary Black Hole Mergers in the First Advanced LIGO Observing Run. *Physical Review X*, **2016**, 6,	9.1	723
208	ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. *Astrophysical Journal Letters*, **2016**, 818, L22	7.9	512
207	Proposed search for the detection of gravitational waves from eccentric binary black holes. *Physical Review D*, **2016**, 93,	4.9	39
206	Observation of Gravitational Waves from a Binary Black Hole Merger. *Physical Review Letters*, **2016**, 116, 061102	7.4	6108
205	Gravitational waves: A statistical autopsy of a black hole merger. *Significance*, **2016**, 13, 20-25	0.5	3
204	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. *Classical and Quantum Gravity*, **2016**, 33,	3.3	155

203	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
202	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. *Living Reviews in Relativity*, **2016**, 19, 1	32.5	393
201	Improved Analysis of GW150914 Using a Fully Spin-Precessing Waveform Model. *Physical Review X*, **2016**, 6,	9.1	89
200	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
199	THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914. *Astrophysical Journal Letters*, **2016**, 833, L1	7.9	209
198			
197	Searching for stochastic gravitational waves using data from the two colocated LIGO Hanford detectors. *Physical Review D*, **2015**, 91,	4.9	26
196	HIGH-ENERGY ELECTROMAGNETIC OFFLINE FOLLOW-UP OF LIGO-VIRGO GRAVITATIONAL-WAVE BINARY COALESCENCE CANDIDATE EVENTS. *Astrophysical Journal, Supplement Series*, **2015**, 217, 8	8	49
195	Detectability of eccentric compact binary coalescences with advanced gravitational-wave detectors. *Physical Review D*, **2015**, 91,	4.9	29
194	Parameter estimation for compact binaries with ground-based gravitational-wave observations using the LALInference software library. *Physical Review D*, **2015**, 91,	4.9	509
193	Directed search for gravitational waves from Scorpius X-1 with initial LIGO data. *Physical Review D*, **2015**, 91,	4.9	38
192	Gravitational waves: search results, data analysis and parameter estimation: Amaldi 10 Parallel session C2. *General Relativity and Gravitation*, **2015**, 47, 11	2.3	3
191	Characterization of the LIGO detectors during their sixth science run. *Classical and Quantum Gravity* , **2015**, 32, 115012	3.3	790
190	The Nobel pulsar. *Science*, **2015**, 348, 766	33.3	1
189	Advanced LIGO. *Classical and Quantum Gravity*, **2015**, 32, 074001	3.3	1098
188	SEARCHES FOR CONTINUOUS GRAVITATIONAL WAVES FROM NINE YOUNG SUPERNOVA REMNANTS. *Astrophysical Journal*, **2015**, 813, 39	4.7	58
187	Detecting very long-lived gravitational-wave transients lasting hours to weeks. *Physical Review D*, **2015**, 91,	4.9	19
186	Prospects for searches for long-duration gravitational-waves without time slides. *Physical Review D*, **2015**, 92,	4.9	7

185	Mock data and science challenge for detecting an astrophysical stochastic gravitational-wave background with Advanced LIGO and Advanced Virgo. *Physical Review D*, **2015**, 92,	4.9	25
184	Bayesian semiparametric power spectral density estimation with applications in gravitational wave data analysis. *Physical Review D*, **2015**, 92,	4.9	14
183	All-sky, narrowband, gravitational-wave radiometry with folded data. *Physical Review D*, **2015**, 91,	4.9	7
182	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
181	Improved constraint on the primordial gravitational-wave density using recent cosmological data and its impact on cosmic string models. *Classical and Quantum Gravity*, **2015**, 32, 045003	3.3	24
180	Detecting compact binary coalescences with seedless clustering. *Physical Review D*, **2014**, 90,	4.9	12
179	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
178	GRAVITATIONAL WAVES FROM KNOWN PULSARS: RESULTS FROM THE INITIAL DETECTOR ERA. *Astrophysical Journal*, **2014**, 785, 119	4.7	109
177	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
176	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
175	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
174	Search for gravitational waves associated with γ-ray bursts detected by the interplanetary network. *Physical Review Letters*, **2014**, 113, 011102	7.4	30
173	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
172	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
171	Education and public outreach on gravitational-wave astronomy. *General Relativity and Gravitation*, **2014**, 46, 1	2.3	1
170	Correlated noise in networks of gravitational-wave detectors: Subtraction and mitigation. *Physical Review D*, **2014**, 90,	4.9	36
169	Wiener filtering with a seismic underground array at the Sanford Underground Research Facility. *Classical and Quantum Gravity*, **2014**, 31, 215003	3.3	13
168	Method for estimation of gravitational-wave transient model parameters in frequency–time maps. *Classical and Quantum Gravity*, **2014**, 31, 165012	3.3	6

167	Bayesian parameter estimation of core collapse supernovae using gravitational wave simulations. *Inverse Problems*, **2014**, 30, 114008	2.3	15
166	FIRST SEARCHES FOR OPTICAL COUNTERPARTS TO GRAVITATIONAL-WAVE CANDIDATE EVENTS. *Astrophysical Journal, Supplement Series*, **2014**, 211, 7	8	51
165	First all-sky search for continuous gravitational waves from unknown sources in binary systems. *Physical Review D*, **2014**, 90,	4.9	54
164	Constraints on cosmic strings from the LIGO-Virgo gravitational-wave detectors. *Physical Review Letters*, **2014**, 112, 131101	7.4	59
163	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
162	Instrumental vetoes for transient gravitational-wave triggers using noise-coupling models: The bilinear-coupling veto. *Physical Review D*, **2014**, 89,	4.9	12
161	Reconstructing the sky location of gravitational-wave detected compact binary systems: Methodology for testing and comparison. *Physical Review D*, **2014**, 89,	4.9	43
160	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
159	Search for long-lived gravitational-wave transients coincident with long gamma-ray bursts. *Physical Review D*, **2013**, 88,	4.9	30
158	Enhanced sensitivity of the LIGO gravitational wave detector by using squeezed states of light. *Nature Photonics*, **2013**, 7, 613-619	33.9	572
157	Einstein@Home all-sky search for periodic gravitational waves in LIGO S5 data. *Physical Review D*, **2013**, 87,	4.9	84
156	Correlated magnetic noise in global networks of gravitational-wave detectors: Observations and implications. *Physical Review D*, **2013**, 87,	4.9	52
155	Parameter estimation for compact binary coalescence signals with the first generation gravitational-wave detector network. *Physical Review D*, **2013**, 88,	4.9	122
154	Directed search for continuous gravitational waves from the Galactic center. *Physical Review D*, **2013**, 88,	4.9	57
153	IMPLICATIONS FOR THE ORIGIN OF GRB 051103 FROM LIGO OBSERVATIONS. *Astrophysical Journal* , **2012**, 755, 2	4.7	53
152	All-sky search for gravitational-wave bursts in the second joint LIGO-Virgo run. *Physical Review D*, **2012**, 85,	4.9	96
151	Search for gravitational waves from intermediate mass binary black holes. *Physical Review D*, **2012**, 85,	4.9	46
150	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

149	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
148	Publisher's Note: Search for gravitational waves associated with the August 2006 timing glitch of the Vela pulsar [Phys. Rev. D 83, 042001 (2011)]. *Physical Review D*, **2012**, 85,	4.9	2
147	All-sky search for periodic gravitational waves in the full S5 LIGO data. *Physical Review D*, **2012**, 85,	4.9	61
146	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
145	Virgo: a laser interferometer to detect gravitational waves. *Journal of Instrumentation*, **2012**, 7, P03012-P03012	1.2	212
144	Teaching general relativity to undergraduates. *Physics Today*, **2012**, 65, 41-47	0.9	11
143	SWIFT FOLLOW-UP OBSERVATIONS OF CANDIDATE GRAVITATIONAL-WAVE TRANSIENT EVENTS. *Astrophysical Journal, Supplement Series*, **2012**, 203, 28	8	57
142	The characterization of Virgo data and its impact on gravitational-wave searches. *Classical and Quantum Gravity*, **2012**, 29, 155002	3.3	59
141	Bayesian inference on EMRI signals using low frequency approximations. *Classical and Quantum Gravity*, **2012**, 29, 145014	3.3	2
140	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
139	First low-latency LIGO+Virgo search for binary inspirals and their electromagnetic counterparts. *Astronomy and Astrophysics*, **2012**, 541, A155	5.1	69
138	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
137	Implementation and testing of the first prompt search for gravitational wave transients with electromagnetic counterparts. *Astronomy and Astrophysics*, **2012**, 539, A124	5.1	71
136	SEARCH FOR GRAVITATIONAL WAVE BURSTS FROM SIX MAGNETARS. *Astrophysical Journal Letters*, **2011**, 734, L35	7.9	47
135	BEATING THE SPIN-DOWN LIMIT ON GRAVITATIONAL WAVE EMISSION FROM THE VELA PULSAR. *Astrophysical Journal*, **2011**, 737, 93	4.7	75
134	Search for gravitational waves associated with the August 2006 timing glitch of the Vela pulsar. *Physical Review D*, **2011**, 83,	4.9	40
133	Search for gravitational waves from binary black hole inspiral, merger, and ringdown. *Physical Review D*, **2011**, 83,	4.9	77
132	Modelling coloured residual noise in gravitational-wave signal processing. *Classical and Quantum Gravity*, **2011**, 28, 015010	3.3	26

131	Directional limits on persistent gravitational waves using LIGO S5 science data. *Physical Review Letters*, **2011**, 107, 271102	7.4	85
130	SEARCHES FOR GRAVITATIONAL WAVES FROM KNOWN PULSARS WITH SCIENCE RUN 5 LIGO DATA. *Astrophysical Journal*, **2010**, 713, 671-685	4.7	140
129	Methods for reducing false alarms in searches for compact binary coalescences in LIGO data. *Classical and Quantum Gravity*, **2010**, 27, 165023	3.3	41
128	Characterization of the seismic environment at the Sanford Underground Laboratory, South Dakota. *Classical and Quantum Gravity*, **2010**, 27, 225011	3.3	24
127	LIGO S6 detector characterization studies. *Classical and Quantum Gravity*, **2010**, 27, 194010	3.3	31
126	The effects of LIGO detector noise on a 15-dimensional Markov-chain Monte Carlo analysis of gravitational-wave signals. *Classical and Quantum Gravity*, **2010**, 27, 114009	3.3	23
125	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
124	All-sky search for gravitational-wave bursts in the first joint LIGO-GEO-Virgo run. *Physical Review D*, **2010**, 81,	4.9	81
123	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
122	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
121	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
120	FIRST SEARCH FOR GRAVITATIONAL WAVES FROM THE YOUNGEST KNOWN NEUTRON STAR. *Astrophysical Journal*, **2010**, 722, 1504-1513	4.7	95
119	Calibration of the LIGO gravitational wave detectors in the fifth science run. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2010**, 624, 223-240	1.2	108
118	All-sky LIGO search for periodic gravitational waves in the early fifth-science-run data. *Physical Review Letters*, **2009**, 102, 111102	7.4	77
117	Bayesian reconstruction of gravitational wave burst signals from simulations of rotating stellar core collapse and bounce. *Physical Review D*, **2009**, 80,	4.9	45
116	Degeneracies in sky localization determination from a spinning coalescing binary through gravitational wave observations: a Markov-chain Monte Carlo analysis for two detectors. *Classical and Quantum Gravity*, **2009**, 26, 114007	3.3	44
115	Testing gravitational-wave searches with numerical relativity waveforms: results from the first Numerical INJection Analysis (NINJA) project. *Classical and Quantum Gravity*, **2009**, 26, 165008	3.3	98
114	Parameter estimation for signals from compact binary inspirals injected into LIGO data. *Classical and Quantum Gravity*, **2009**, 26, 204010	3.3	33

113	Gravitational wave burst search in the Virgo C7 data. *Classical and Quantum Gravity*, **2009**, 26, 085009	3.3	15
112	Status of NINJA: the Numerical INJection Analysis project. *Classical and Quantum Gravity*, **2009**, 26, 114008	3.3	36
111	Observation of a kilogram-scale oscillator near its quantum ground state. *New Journal of Physics*, **2009**, 11, 073032	2.9	93
110	An upper limit on the stochastic gravitational-wave background of cosmological origin. *Nature*, **2009**, 460, 990-4	50.4	267
109	Einstein@Home search for periodic gravitational waves in LIGO S4 data. *Physical Review D*, **2009**, 79,	4.9	77
108	Search for gravitational-wave bursts in the first year of the fifth LIGO science run. *Physical Review D* , **2009**, 80,	4.9	71
107	LIGO: the Laser Interferometer Gravitational-Wave Observatory. *Reports on Progress in Physics*, **2009**, 72, 076901	14.4	822
106	Einstein@Home search for periodic gravitational waves in early S5 LIGO data. *Physical Review D*, **2009**, 80,	4.9	73
105	First LIGO search for gravitational wave bursts from cosmic (super)strings. *Physical Review D*, **2009**, 80,	4.9	43
104	Search for gravitational waves from low mass compact binary coalescence in 186 days of LIGO's fifth science run. *Physical Review D*, **2009**, 80,	4.9	100
103	Search for gravitational waves from low mass binary coalescences in the first year of LIGO's S5 data. *Physical Review D*, **2009**, 79,	4.9	115
102	Search for gravitational wave ringdowns from perturbed black holes in LIGO S4 data. *Physical Review D*, **2009**, 80,	4.9	36
101	Search for high frequency gravitational-wave bursts in the first calendar year of LIGO's fifth science run. *Physical Review D*, **2009**, 80,	4.9	31
100	STACKED SEARCH FOR GRAVITATIONAL WAVES FROM THE 2006 SGR 1900+14 STORM. *Astrophysical Journal*, **2009**, 701, L68-L74	4.7	40
99	Search for gravitational waves associated with 39 gamma-ray bursts using data from the second, third, and fourth LIGO runs. *Physical Review D*, **2008**, 77,	4.9	55
98	All-sky search for periodic gravitational waves in LIGO S4 data. *Physical Review D*, **2008**, 77,	4.9	98
97	Search of S3 LIGO data for gravitational wave signals from spinning black hole and neutron star binary inspirals. *Physical Review D*, **2008**, 78,	4.9	51
96	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

95	Search for gravitational waves associated with GRB 050915a using the Virgo detector. *Classical and Quantum Gravity*, **2008**, 25, 225001	3.3	23
94	Astrophysically triggered searches for gravitational waves: status and prospects. *Classical and Quantum Gravity*, **2008**, 25, 114051	3.3	24
93	The LSC glitch group: monitoring noise transients during the fifth LIGO science run. *Classical and Quantum Gravity*, **2008**, 25, 184004	3.3	65
92	Searching for gravitational waves from Cassiopeia A with LIGO. *Classical and Quantum Gravity*, **2008** , 25, 235011	3.3	64
91	Parameter estimation of spinning binary inspirals using Markov chain Monte Carlo. *Classical and Quantum Gravity*, **2008**, 25, 184011	3.3	82
90	Detailed comparison of LIGO and Virgo inspiral pipelines in preparation for a joint search. *Classical and Quantum Gravity*, **2008**, 25, 045001	3.3	21
89	A comparison of methods for gravitational wave burst searches from LIGO and Virgo. *Classical and Quantum Gravity*, **2008**, 25, 045002	3.3	11
88	First joint search for gravitational-wave bursts in LIGO and GEO 600 data. *Classical and Quantum Gravity*, **2008**, 25, 245008	3.3	19
87	Report on the second Mock LISA data challenge. *Classical and Quantum Gravity*, **2008**, 25, 114037	3.3	34
86	A joint search for gravitational wave bursts with AURIGA and LIGO. *Classical and Quantum Gravity*, **2008**, 25, 095004	3.3	15
85	Search for gravitational waves from binary inspirals in S3 and S4 LIGO data. *Physical Review D*, **2008**, 77,	4.9	117
84	Search for gravitational-wave bursts from soft gamma repeaters. *Physical Review Letters*, **2008**, 101, 211102	7.4	64
83	Data Acquisition System of the Virgo Gravitational Waves Interferometric Detector. *IEEE Transactions on Nuclear Science*, **2008**, 55, 225-232	1.7	3
82	Implications for the Origin of GRB 070201 from LIGO Observations. *Astrophysical Journal*, **2008**, 681, 1419-1430	4.7	126
81	Beating the Spin-Down Limit on Gravitational Wave Emission from the Crab Pulsar. *Astrophysical Journal*, **2008**, 683, L45-L49	4.7	148
80	Gravitational-Wave Astronomy with Inspiral Signals of Spinning Compact-Object Binaries. *Astrophysical Journal*, **2008**, 688, L61-L64	4.7	85
79	Coherent Bayesian inference on compact binary inspirals using a network of interferometric gravitational wave detectors. *Physical Review D*, **2007**, 75,	4.9	50
78	Searches for periodic gravitational waves from unknown isolated sources and Scorpius X-1: Results from the second LIGO science run. *Physical Review D*, **2007**, 76,	4.9	116

77	Upper limit map of a background of gravitational waves. *Physical Review D*, **2007**, 76,	4.9	85
76	Search for gravitational wave radiation associated with the pulsating tail of the SGR 1806−20 hyperflare of 27 December 2004 using LIGO. *Physical Review D*, **2007**, 76,	4.9	48
75	Improving the timing precision for inspiral signals found by interferometric gravitational wave detectors. *Classical and Quantum Gravity*, **2007**, 24, S617-S625	3.3	10
74	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
73	Coincidence analysis between periodic source candidates in C6 and C7 Virgo data. *Classical and Quantum Gravity*, **2007**, 24, S491-S499	3.3	13
72	Analysis of noise lines in the Virgo C7 data. *Classical and Quantum Gravity*, **2007**, 24, S433-S443	3.3	8
71	Inference on inspiral signals using LISA MLDC data. *Classical and Quantum Gravity*, **2007**, 24, S521-S527	3.3	11
70	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
69	Inference on white dwarf binary systems using the first round Mock LISA Data Challenges data sets. *Classical and Quantum Gravity*, **2007**, 24, S541-S549	3.3	12
68	Search for gravitational-wave bursts in LIGO data from the fourth science run. *Classical and Quantum Gravity*, **2007**, 24, 5343-5369	3.3	70
67	Status of Virgo detector. *Classical and Quantum Gravity*, **2007**, 24, S381-S388	3.3	51
66	Report on the first round of the Mock LISA Data Challenges. *Classical and Quantum Gravity*, **2007**, 24, S529-S539	3.3	29
65	Coherent Bayesian analysis of inspiral signals. *Classical and Quantum Gravity*, **2007**, 24, S607-S615	3.3	15
64	Status of coalescing binaries search activities in Virgo. *Classical and Quantum Gravity*, **2007**, 24, 5767-5775	3.3	8
63	Upper limits on gravitational wave emission from 78 radio pulsars. *Physical Review D*, **2007**, 76,	4.9	109
62	First cross-correlation analysis of interferometric and resonant-bar gravitational-wave data for stochastic backgrounds. *Physical Review D*, **2007**, 76,	4.9	33
61	Searching for a Stochastic Background of Gravitational Waves with the Laser Interferometer Gravitational-Wave Observatory. *Astrophysical Journal*, **2007**, 659, 918-930	4.7	107
60	Measurement of the optical parameters of the Virgo interferometer. *Applied Optics*, **2007**, 46, 3466-84	1.7	12

59	Search for gravitational-wave bursts in LIGO's third science run. *Classical and Quantum Gravity*, **2006**, 23, S29-S39	3.3	36
58	Bayesian inference on compact binary inspiral gravitational radiation signals in interferometric data. *Classical and Quantum Gravity*, **2006**, 23, 4895-4906	3.3	48
57	Search for gravitational waves from binary black hole inspirals in LIGO data. *Physical Review D*, **2006**, 73,	4.9	68
56	Joint LIGO and TAMA300 search for gravitational waves from inspiralling neutron star binaries. *Physical Review D*, **2006**, 73,	4.9	38
55	Benefits of joint LIGO - Virgo coincidence searches for burst and inspiral signals. *Journal of Physics: Conference Series*, **2006**, 32, 212-222	0.3	9
54	Search for gravitational waves from galactic and extra-galactic binary neutron stars. *Physical Review D*, **2005**, 72,	4.9	88
53	Upper limits from the LIGO and TAMA detectors on the rate of gravitational-wave bursts. *Physical Review D*, **2005**, 72,	4.9	44
52	First all-sky upper limits from LIGO on the strength of periodic gravitational waves using the Hough transform. *Physical Review D*, **2005**, 72,	4.9	69
51	LISA source confusion: identification and characterization of signals. *Classical and Quantum Gravity*, **2005**, 22, S901-S911	3.3	14
50	A first comparison of search methods for gravitational wave bursts using LIGO and Virgo simulated data. *Classical and Quantum Gravity*, **2005**, 22, S1293-S1301	3.3	14
49	A time-domain MCMC search and upper limit technique for gravitational waves of uncertain frequency from a targeted neutron star. *Classical and Quantum Gravity*, **2005**, 22, S995-S1001	3.3	5
48	Veto studies for LIGO inspiral triggers. *Classical and Quantum Gravity*, **2005**, 22, S1059-S1068	3.3	14
47	A first comparison between LIGO and Virgo inspiral search pipelines. *Classical and Quantum Gravity*, **2005**, 22, S1149-S1158	3.3	6
46	Bayesian modeling of source confusion in LISA data. *Physical Review D*, **2005**, 72,	4.9	42
45	Limits on gravitational-wave emission from selected pulsars using LIGO data. *Physical Review Letters*, **2005**, 94, 181103	7.4	109
44	Upper limits on a stochastic background of gravitational waves. *Physical Review Letters*, **2005**, 95, 221101	7.4	69
43	Upper limits on gravitational wave bursts in LIGO's second science run. *Physical Review D*, **2005**, 72,	4.9	49
42	Search for gravitational waves from primordial black hole binary coalescences in the galactic halo. *Physical Review D*, **2005**, 72,	4.9	66

41	Search for gravitational waves associated with the gamma ray burst GRB030329 using the LIGO detectors. *Physical Review D*, **2005**, 72,	4.9	70
40	Estimating the parameters of gravitational waves from neutron stars using an adaptive MCMC method. *Classical and Quantum Gravity*, **2004**, 21, S1655-S1665	3.3	20
39	Measurements of diffusion resonances for the atom optics quantum kicked rotor. *Journal of Optics B: Quantum and Semiclassical Optics*, **2004**, 6, 28-33		14
38	A Metropolis□Hastings routine for estimating parameters from compact binary inspiral events with laser interferometric gravitational radiation data. *Classical and Quantum Gravity*, **2004**, 21, 317-330	3.3	33
37	Vetoes for inspiral triggers in LIGO data. *Classical and Quantum Gravity*, **2004**, 21, S1747-S1755	3.3	18
36	Searching for gravitational waves from binary inspirals with LIGO. *Classical and Quantum Gravity*, **2004**, 21, S1625-S1633	3.3	31
35	Upper limits on the strength of periodic gravitational waves from PSR J1939+2134. *Classical and Quantum Gravity*, **2004**, 21, S671-S676	3.3	4
34	Detecting Gravitational Radiation from Neutron Stars using a Six-Parameter Adaptive MCMC Method. *AIP Conference Proceedings*, **2004**,	0	5
33	Metropolis-Hastings algorithm for extracting periodic gravitational wave signals from laser interferometric detector data. *Physical Review D*, **2004**, 70,	4.9	21
32	Analysis of first LIGO science data for stochastic gravitational waves. *Physical Review D*, **2004**, 69,	4.9	71
31	First upper limits from LIGO on gravitational wave bursts. *Physical Review D*, **2004**, 69,	4.9	87
30	Setting upper limits on the strength of periodic gravitational waves from PSR J1939+2134 using the first science data from the GEO 600 and LIGO detectors. *Physical Review D*, **2004**, 69,	4.9	135
29	Analysis of LIGO data for gravitational waves from binary neutron stars. *Physical Review D*, **2004**, 69,	4.9	122
28	Nuclear transparency in 90c.m.□quasielastic A(p,2p) reactions. *Physical Review C*, **2004**, 70,	2.7	27
27	Detector description and performance for the first coincidence observations between LIGO and GEO. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2004**, 517, 154-179	1.2	229
26	AP Physics Workshop at Carleton College. *Physics Teacher*, **2002**, 40, 330-332	0.4	
25	Fast Bayesian reconstruction of chaotic dynamical systems via extended Kalman filtering. *Physical Review E*, **2002**, 65, 016206	2.4	22
24	Bayesian methods for cosmological parameter estimation from cosmic microwave background measurements. *Classical and Quantum Gravity*, **2001**, 18, 2677-2688	3.3	141

23	The Age of the Universe and the Cosmological Constant Determined from Cosmic Microwave Background Anisotropy Measurements. *Astrophysical Journal*, **2001**, 563, L95-L98	4.7	96
22	Using Markov chain Monte Carlo methods for estimating parameters with gravitational radiation data. *Physical Review D*, **2001**, 64,	4.9	49
21	Potential multiparticle entanglement measure. *Physical Review A*, **2001**, 63,	2.6	206
20	Medical physics: the perfect intermediate level physics class. *European Journal of Physics*, **2001**, 22, 421-427	0.8	5
19	Momentum distributions for the quantum delta-kicked rotor with decoherence. *Physical Review E*, **2000**, 61, 5994-6	2.4	11
18	Numerical investigation of the effects of classical phase space structure on a quantum system with decoherence. *Physical Review E*, **2000**, 61, 1299-311	2.4	2
17	Bayesian reconstruction of chaotic dynamical systems. *Physical Review E*, **2000**, 62, 3535-42	2.4	48
16	Momentum distributions for the quantum □kicked rotor with decoherence. *Journal of Optics B: Quantum and Semiclassical Optics*, **2000**, 2, 605-611		15
15	Experimental evidence for the role of cantori as barriers in a quantum system. *Physical Review E*, **1999**, 59, 2846-2852	2.4	24
14	The large momentum transfer reaction 12C(p,2p + n) as a new method for measuring short range NN correlations in nuclei. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1999**, 453, 211-216	4.2	32
13	Measurement of quasi-elastic C(p,2p) scattering at high momentum transfer. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1998**, 437, 257-263	4.2	10
12	Experimental observation of dynamical localization and decoherence in the atomic -kicked rotor. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **1998**, 31, 2449-2455	1.3	11
11	Mixing internal and external atomic dynamics in the kicked rotor. *Physical Review E*, **1998**, 57, 354-358	2.4	10
10	Markov chain Monte Carlo methods for Bayesian gravitational radiation data analysis. *Physical Review D*, **1998**, 58,	4.9	44
9	Quantum Delta-Kicked Rotor: Experimental Observation of Decoherence. *Physical Review Letters*, **1998**, 80, 4111-4115	7.4	231
8	Nuclear Transparency in Large Momentum Transfer Quasielastic Scattering. *Physical Review Letters*, **1998**, 81, 5085-5088	7.4	36
7	Optimal detection strategies for measuring the stochastic gravitational radiation background with laser interferometric antennas. *Physical Review D*, **1997**, 55, 448-454	4.9	6
6	Delta Kick Cooling: A New Method for Cooling Atoms. *Physical Review Letters*, **1997**, 78, 2088-2091	7.4	75

5	Noise characteristics of a mode locked argon laser. *Optics Communications*, **1993**, 97, 219-224	2	6
4	Noise characteristics of cross-phase modulation instability light. *Optics Communications*, **1993**, 101, 205-212	2	9
3	Measuring the stochastic gravitational-radiation background with laser-interferometric antennas. *Physical Review D*, **1992**, 46, 5250-5266	4.9	166
2	Prototype Michelson interferometer with Fabry-Perot cavities. *Applied Optics*, **1991**, 30, 3133-8	1.7	19
1	LIGO detector characterization in the second and third observing runs. *Classical and Quantum Gravity*,	3.3	31