

Eric Thrane

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.

150 papers	23,624 citations	55 h-index	153 g-index
157 ext. papers	28,644 ext. citations	6.3 avg, IF	6.5 L-index

#	Paper	IF	Citations
150	Probing Extremal Gravitational-wave Events with Coarse-grained Likelihoods. <i>Astrophysical Journal</i> , 2022 , 926, 34	4.7	1
149	Flexible and Accurate Evaluation of Gravitational-wave Malmquist Bias with Machine Learning. <i>Astrophysical Journal</i> , 2022 , 927, 76	4.7	1
148	The Imprint of Superradiance on Hierarchical Black Hole Mergers. <i>Astrophysical Journal</i> , 2022 , 931, 79	4.7	0
147	Measuring the Properties of Active Galactic Nuclei Disks with Gravitational Waves. <i>Astrophysical Journal</i> , 2022 , 931, 82	4.7	1
146	Constraints on Weak Supernova Kicks from Observed Pulsar Velocities. <i>Astrophysical Journal Letters</i> , 2021 , 920, L37	7.9	5
145	Signs of Eccentricity in Two Gravitational-wave Signals May Indicate a Subpopulation of Dynamically Assembled Binary Black Holes. <i>Astrophysical Journal Letters</i> , 2021 , 921, L31	7.9	5
144	Implications of Eccentric Observations on Binary Black Hole Formation Channels. <i>Astrophysical Journal Letters</i> , 2021 , 921, L43	7.9	6
143	Inference with finite time series: Observing the gravitational Universe through windows. <i>Physical Review Research</i> , 2021 , 3,	3.9	5
142	Building Better Spin Models for Merging Binary Black Holes: Evidence for Nonspinning and Rapidly Spinning Nearly Aligned Subpopulations. <i>Astrophysical Journal Letters</i> , 2021 , 921, L15	7.9	13
141	Heavy Double Neutron Stars: Birth, Midlife, and Death. <i>Astrophysical Journal Letters</i> , 2021 , 909, L19	7.9	11
140	Evidence for an intermediate-mass black hole from a gravitationally lensed gamma-ray burst. <i>Nature Astronomy</i> , 2021 , 5, 560-568	12.1	15
139	Memory remains undetected: Updates from the second LIGO/Virgo gravitational-wave transient catalog. <i>Physical Review D</i> , 2021 , 104,	4.9	4
138	Identifying and mitigating noise sources in precision pulsar timing data sets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 502, 478-493	4.3	19
137	Standard-siren Cosmology Using Gravitational Waves from Binary Black Holes. <i>Astrophysical Journal</i> , 2021 , 908, 215	4.7	8
136	Evidence for Hierarchical Black Hole Mergers in the Second LIGO/Virgo Gravitational Wave Catalog. <i>Astrophysical Journal Letters</i> , 2021 , 915, L35	7.9	34
135	On the Evidence for a Common-spectrum Process in the Search for the Nanohertz Gravitational-wave Background with the Parkes Pulsar Timing Array. <i>Astrophysical Journal Letters</i> , 2021 , 917, L19	7.9	30
134	Bayesian Inference for Gravitational Waves from Binary Neutron Star Mergers in Third Generation Observatories. <i>Physical Review Letters</i> , 2021 , 127, 081102	7.4	2

133	Black-hole spectroscopy, the no-hair theorem, and GW150914: Kerr versus Occam. <i>Physical Review D</i> , 2021 , 103,	4.9	6
132	Searching for anisotropy in the distribution of binary black hole mergers. <i>Physical Review D</i> , 2020 , 102,	4.9	7
131	Measuring the Primordial Gravitational-Wave Background in the Presence of Astrophysical Foregrounds. <i>Physical Review Letters</i> , 2020 , 125, 241101	7.4	15
130	Gravitational-wave inference in the catalog era: Evolving priors and marginal events. <i>Physical Review D</i> , 2020 , 102,	4.9	10
129	An introduction to Bayesian inference in gravitational-wave astronomy: parameter estimation, model selection, and hierarchical models. <i>Corrigendum. Publications of the Astronomical Society of Australia</i> , 2020 , 37,	5.5	3
128	Bayesian inference for compact binary coalescences with bilby: validation and application to the first LIGO/Virgo gravitational-wave transient catalogue. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 499, 3295-3319	4.3	62
127	On the origin of GW190425. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020 , 496, L64-L69,	4.3	29
126	Inferring the population properties of binary black holes from unresolved gravitational waves. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 496, 3281-3290	4.3	12
125	Memory effect or cosmic string? Classifying gravitational-wave bursts with Bayesian inference. <i>Physical Review D</i> , 2020 , 102,	4.9	6
124	Ultrarelativistic astrophysics using multimessenger observations of double neutron stars with LISA and the SKA. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 493, 5408-5412	4.3	6
123	Measuring gravitational-wave memory in the first LIGO/Virgo gravitational-wave transient catalog. <i>Physical Review D</i> , 2020 , 101,	4.9	25
122	Constraining the gravitational-wave afterglow from a binary neutron star coalescence. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 492, 4945-4951	4.3	8
121	Gravitational-wave astronomy with a physical calibration model. <i>Physical Review D</i> , 2020 , 102,	4.9	9
120	Gravitational-wave astronomy with an uncertain noise power spectral density. <i>Physical Review Research</i> , 2020 , 2,	3.9	6
119	Constraining Short Gamma-Ray Burst Jet Properties with Gravitational Waves and Gamma-Rays. <i>Astrophysical Journal</i> , 2020 , 893, 38	4.7	7
118	Black Hole Genealogy: Identifying Hierarchical Mergers with Gravitational Waves. <i>Astrophysical Journal</i> , 2020 , 900, 177	4.7	56
117	Toward the Unambiguous Identification of Supermassive Binary Black Holes through Bayesian Inference. <i>Astrophysical Journal</i> , 2020 , 900, 117	4.7	7
116	GW190521: Orbital Eccentricity and Signatures of Dynamical Formation in a Binary Black Hole Merger Signal. <i>Astrophysical Journal Letters</i> , 2020 , 903, L5	7.9	69

115	A scalable random forest regressor for combining neutron-star equation of state measurements: a case study with GW170817 and GW190425. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 499, 5972-5977	4.3	8
114	Is there a spectral turnover in the spin noise of millisecond pulsars?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 497, 3264-3272	4.3	4
113	The astrophysical odds of GW151216. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 498, 1905-1910	4.1	5
112	Exploring the sensitivity of gravitational wave detectors to neutron star physics. <i>Physical Review D</i> , 2019 , 99,	4.9	48
111	The Mass Distribution of Galactic Double Neutron Stars. <i>Astrophysical Journal</i> , 2019 , 876, 18	4.7	70
110	Search for Multimessenger Sources of Gravitational Waves and High-energy Neutrinos with Advanced LIGO during Its First Observing Run, ANTARES, and IceCube. <i>Astrophysical Journal</i> , 2019 , 870, 134	4.7	23
109	Bilby: A User-friendly Bayesian Inference Library for Gravitational-wave Astronomy. <i>Astrophysical Journal, Supplement Series</i> , 2019 , 241, 27	8	217
108	An introduction to Bayesian inference in gravitational-wave astronomy: Parameter estimation, model selection, and hierarchical models. <i>Publications of the Astronomical Society of Australia</i> , 2019 , 36,	5.5	102
107	Measuring the neutron star equation of state with gravitational waves: The first forty binary neutron star merger observations. <i>Physical Review D</i> , 2019 , 100,	4.9	26
106	Searching for eccentricity: signatures of dynamical formation in the first gravitational-wave transient catalogue of LIGO and Virgo. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 490, 5210-5216	4.3	46
105	Parallelized inference for gravitational-wave astronomy. <i>Physical Review D</i> , 2019 , 100,	4.9	33
104	Higher order gravitational-wave modes with likelihood reweighting. <i>Physical Review D</i> , 2019 , 100,	4.9	29
103	Gravitational wave detection without boot straps: A Bayesian approach. <i>Physical Review D</i> , 2019 , 100,	4.9	8
102	Accelerated detection of the binary neutron star gravitational-wave background. <i>Physical Review D</i> , 2019 , 100,	4.9	7
101	The minimum and maximum gravitational-wave background from supermassive binary black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 482, 2588-2596	4.3	8
100	Optimal Search for an Astrophysical Gravitational-Wave Background. <i>Physical Review X</i> , 2018 , 8,	9.1	42
99	Measuring the Binary Black Hole Mass Spectrum with an Astrophysically Motivated Parameterization. <i>Astrophysical Journal</i> , 2018 , 856, 173	4.7	89
98	Inferring the population properties of binary neutron stars with gravitational-wave measurements of spin. <i>Physical Review D</i> , 2018 , 98,	4.9	37

97	Measurement and subtraction of Schumann resonances at gravitational-wave interferometers. <i>Physical Review D</i> , 2018 , 97,	4.9	30
96	Search for Subsolar-Mass Ultracompact Binaries in Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , 2018 , 121, 231103	7.4	49
95	All-sky radiometer for narrowband gravitational waves using folded data. <i>Physical Review D</i> , 2018 , 98,	4.9	9
94	Measuring eccentricity in binary black hole inspirals with gravitational waves. <i>Physical Review D</i> , 2018 , 98,	4.9	55
93	GW170817: Measurements of Neutron Star Radii and Equation of State. <i>Physical Review Letters</i> , 2018 , 121, 161101	7.4	867
92	Gravitational-wave memory: Waveforms and phenomenology. <i>Physical Review D</i> , 2018 , 98,	4.9	21
91	Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background. <i>Physical Review Letters</i> , 2018 , 120, 201102	7.4	60
90	Effects of waveform model systematics on the interpretation of GW150914. <i>Classical and Quantum Gravity</i> , 2017 , 34, 104002	3.3	74
89	Suspending test masses in terrestrial millihertz gravitational-wave detectors: a case study with a magnetic assisted torsion pendulum. <i>Classical and Quantum Gravity</i> , 2017 , 34, 105002	3.3	1
88	Upper Limits on the Stochastic Gravitational-Wave Background from Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , 2017 , 118, 121101	7.4	137
87	Directional Limits on Persistent Gravitational Waves from Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , 2017 , 118, 121102	7.4	65
86	First Search for Gravitational Waves from Known Pulsars with Advanced LIGO. <i>Astrophysical Journal</i> , 2017 , 839, 12	4.7	107
85	The basic physics of the binary black hole merger GW150914. <i>Annalen Der Physik</i> , 2017 , 529, 1600209	2.6	45
84	GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence. <i>Physical Review Letters</i> , 2017 , 119, 141101	7.4	1270
83	Upper Limits on Gravitational Waves from Scorpius X-1 from a Model-based Cross-correlation Search in Advanced LIGO Data. <i>Astrophysical Journal</i> , 2017 , 847, 47	4.7	35
82	A gravitational-wave standard siren measurement of the Hubble constant. <i>Nature</i> , 2017 , 551, 85-88	50.4	413
81	GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. <i>Physical Review Letters</i> , 2017 , 119, 161101	7.4	4272
80	Gravitational Waves and Gamma-Rays from a Binary Neutron Star Merger: GW170817 and GRB 170817A. <i>Astrophysical Journal Letters</i> , 2017 , 848, L13	7.9	1614

79	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> , 2017 , 841, 89	4.7	42
78	Determining the population properties of spinning black holes. <i>Physical Review D</i> , 2017 , 96,	4.9	89
77	First Demonstration of Electrostatic Damping of Parametric Instability at Advanced LIGO. <i>Physical Review Letters</i> , 2017 , 118, 151102	7.4	18
76	Search for Post-merger Gravitational Waves from the Remnant of the Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , 2017 , 851, L16	7.9	133
75	Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated with GW170817. <i>Astrophysical Journal Letters</i> , 2017 , 850, L39	7.9	127
74	Effects of transients in LIGO suspensions on searches for gravitational waves. <i>Review of Scientific Instruments</i> , 2017 , 88, 124501	1.7	4
73	Polarization-Based Tests of Gravity with the Stochastic Gravitational-Wave Background. <i>Physical Review X</i> , 2017 , 7,	9.1	50
72	Challenges for testing the no-hair theorem with current and planned gravitational-wave detectors. <i>Physical Review D</i> , 2017 , 96,	4.9	27
71	Detecting Gravitational Wave Memory without Parent Signals. <i>Physical Review Letters</i> , 2017 , 118, 181103	7.4	25
70	GW170104: Observation of a 50-Solar-Mass Binary Black Hole Coalescence at Redshift 0.2. <i>Physical Review Letters</i> , 2017 , 118, 221101	7.4	1609
69	On the Progenitor of Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , 2017 , 850, L40	7.9	50
68	GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. <i>Astrophysical Journal Letters</i> , 2017 , 851, L35	7.9	809
67	Exploring a search for long-duration transient gravitational waves associated with magnetar bursts. <i>Classical and Quantum Gravity</i> , 2017 , 34, 164002	3.3	3
66	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> , 2016 , 832, L21	7.9	130
65	Detectability of Gravitational Waves from High-Redshift Binaries. <i>Physical Review Letters</i> , 2016 , 116, 101102	7.4	11
64	GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes. <i>Physical Review Letters</i> , 2016 , 116, 131102	7.4	188
63	GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. <i>Physical Review Letters</i> , 2016 , 116, 131103	7.4	328
62	SUPPLEMENT: LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914[2016, ApJL, 826, L13). <i>Astrophysical Journal, Supplement Series</i> , 2016 , 225, 8	8	38

61	Tests of General Relativity with GW150914. <i>Physical Review Letters</i> , 2016 , 116, 221101	7.4	837
60	Properties of the Binary Black Hole Merger GW150914. <i>Physical Review Letters</i> , 2016 , 116, 241102	7.4	515
59	GW151226: Observation of Gravitational Waves from a 22-Solar-Mass Binary Black Hole Coalescence. <i>Physical Review Letters</i> , 2016 , 116, 241103	7.4	2136
58	Gravitational-Wave Cosmology across 29 Decades in Frequency. <i>Physical Review X</i> , 2016 , 6,	9.1	82
57	ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. <i>Astrophysical Journal Letters</i> , 2016 , 818, L22	7.9	512
56	Subtraction of correlated noise in global networks of gravitational-wave interferometers. <i>Classical and Quantum Gravity</i> , 2016 , 33, 224003	3.3	21
55	THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914. <i>Astrophysical Journal Letters</i> , 2016 , 833, L1	7.9	209
54	Detecting Gravitational-Wave Memory with LIGO: Implications of GW150914. <i>Physical Review Letters</i> , 2016 , 117, 061102	7.4	85
53	Limits of Astrophysics with Gravitational-Wave Backgrounds. <i>Physical Review X</i> , 2016 , 6,	9.1	24
52	Characterization of the LIGO detectors during their sixth science run. <i>Classical and Quantum Gravity</i> , 2015 , 32, 115012	3.3	790
51	SEARCHES FOR CONTINUOUS GRAVITATIONAL WAVES FROM NINE YOUNG SUPERNOVA REMNANTS. <i>Astrophysical Journal</i> , 2015 , 813, 39	4.7	58
50	Detecting very long-lived gravitational-wave transients lasting hours to weeks. <i>Physical Review D</i> , 2015 , 91,	4.9	19
49	Prospects for searches for long-duration gravitational-waves without time slides. <i>Physical Review D</i> , 2015 , 92,	4.9	7
48	Mock data and science challenge for detecting an astrophysical stochastic gravitational-wave background with Advanced LIGO and Advanced Virgo. <i>Physical Review D</i> , 2015 , 92,	4.9	25
47	Detecting Gravitational-Wave Transients at 5 σ Hierarchical Approach. <i>Physical Review Letters</i> , 2015 , 115, 181102	7.4	20
46	All-sky, narrowband, gravitational-wave radiometry with folded data. <i>Physical Review D</i> , 2015 , 91,	4.9	7
45	Implementation of an \mathcal{F} -statistic all-sky search for continuous gravitational waves in Virgo VSR1 data. <i>Classical and Quantum Gravity</i> , 2014 , 31, 165014	3.3	27
44	GRAVITATIONAL WAVES FROM KNOWN PULSARS: RESULTS FROM THE INITIAL DETECTOR ERA. <i>Astrophysical Journal</i> , 2014 , 785, 119	4.7	109

43	The NINJA-2 project: detecting and characterizing gravitational waveforms modelled using numerical binary black hole simulations. <i>Classical and Quantum Gravity</i> , 2014 , 31, 115004	3.3	34
42	Measuring neutron-star ellipticity with measurements of the stochastic gravitational-wave background. <i>Physical Review D</i> , 2014 , 89,	4.9	21
41	Method for estimation of gravitational-wave transient model parameters in frequency-time maps. <i>Classical and Quantum Gravity</i> , 2014 , 31, 165012	3.3	6
40	FIRST SEARCHES FOR OPTICAL COUNTERPARTS TO GRAVITATIONAL-WAVE CANDIDATE EVENTS. <i>Astrophysical Journal, Supplement Series</i> , 2014 , 211, 7	8	51
39	Seedless clustering in all-sky searches for gravitational-wave transients. <i>Physical Review D</i> , 2014 , 89,	4.9	24
38	Search for nucleon decay via $n \rightarrow \bar{\nu} \pi^0$ and $p \rightarrow \bar{\nu} \pi^+$ in Super-Kamiokande. <i>Physical Review Letters</i> , 2014 , 113, 121802	7.4	28
37	Constraints on cosmic strings from the LIGO-Virgo gravitational-wave detectors. <i>Physical Review Letters</i> , 2014 , 112, 131101	7.4	59
36	Improved upper limits on the stochastic gravitational-wave background from 2009-2010 LIGO and Virgo data. <i>Physical Review Letters</i> , 2014 , 113, 231101	7.4	74
35	Statistical properties of astrophysical gravitational-wave backgrounds. <i>Physical Review D</i> , 2014 , 89,	4.9	17
34	Estimates of maximum energy density of cosmological gravitational-wave backgrounds. <i>Physical Review D</i> , 2014 , 90,	4.9	24
33	Search for dinucleon decay into kaons in Super-Kamiokande. <i>Physical Review Letters</i> , 2014 , 112, 131803	7.4	22
32	Colloquium: Multimessenger astronomy with gravitational waves and high-energy neutrinos. <i>Reviews of Modern Physics</i> , 2013 , 85, 1401-1420	40.5	38
31	Evidence for the appearance of atmospheric tau neutrinos in super-Kamiokande. <i>Physical Review Letters</i> , 2013 , 110, 181802	7.4	61
30	Enhanced sensitivity of the LIGO gravitational wave detector by using squeezed states of light. <i>Nature Photonics</i> , 2013 , 7, 613-619	33.9	572
29	Searching for gravitational-wave transients with a qualitative signal model: Seedless clustering strategies. <i>Physical Review D</i> , 2013 , 88,	4.9	32
28	Measuring the non-Gaussian stochastic gravitational-wave background: A method for realistic interferometer data. <i>Physical Review D</i> , 2013 , 87,	4.9	25
27	Sensitivity curves for searches for gravitational-wave backgrounds. <i>Physical Review D</i> , 2013 , 88,	4.9	222
26	IMPLICATIONS FOR THE ORIGIN OF GRB 051103 FROM LIGO OBSERVATIONS. <i>Astrophysical Journal</i> , 2012 , 755, 2	4.7	53

25	Search for GUT monopoles at SuperKamioKande. <i>Astroparticle Physics</i> , 2012 , 36, 131-136	2.4	13
24	SWIFT FOLLOW-UP OBSERVATIONS OF CANDIDATE GRAVITATIONAL-WAVE TRANSIENT EVENTS. <i>Astrophysical Journal, Supplement Series</i> , 2012 , 203, 28	8	57
23	The characterization of Virgo data and its impact on gravitational-wave searches. <i>Classical and Quantum Gravity</i> , 2012 , 29, 155002	3.3	59
22	Identification of noise artifacts in searches for long-duration gravitational-wave transients. <i>Classical and Quantum Gravity</i> , 2012 , 29, 095018	3.3	13
21	Parameter estimation in searches for the stochastic gravitational-wave background. <i>Physical Review Letters</i> , 2012 , 109, 171102	7.4	46
20	GRAVITATIONAL WAVES FROM FALLBACK ACCRETION ONTO NEUTRON STARS. <i>Astrophysical Journal</i> , 2012 , 761, 63	4.7	37
19	SEARCH FOR GRAVITATIONAL WAVES ASSOCIATED WITH GAMMA-RAY BURSTS DURING LIGO SCIENCE RUN 6 AND VIRGO SCIENCE RUNS 2 AND 3. <i>Astrophysical Journal</i> , 2012 , 760, 12	4.7	94
18	SEARCH FOR GRAVITATIONAL WAVE BURSTS FROM SIX MAGNETARS. <i>Astrophysical Journal Letters</i> , 2011 , 734, L35	7.9	47
17	BEATING THE SPIN-DOWN LIMIT ON GRAVITATIONAL WAVE EMISSION FROM THE VELA PULSAR. <i>Astrophysical Journal</i> , 2011 , 737, 93	4.7	75
16	Long gravitational-wave transients and associated detection strategies for a network of terrestrial interferometers. <i>Physical Review D</i> , 2011 , 83,	4.9	57
15	Directional limits on persistent gravitational waves using LIGO S5 science data. <i>Physical Review Letters</i> , 2011 , 107, 271102	7.4	85
14	AN INDIRECT SEARCH FOR WEAKLY INTERACTING MASSIVE PARTICLES IN THE SUN USING 3109.6 DAYS OF UPWARD-GOING MUONS IN SUPER-KAMIOKANDE. <i>Astrophysical Journal</i> , 2011 , 742, 78	4.7	129
13	A gravitational wave observatory operating beyond the quantum shot-noise limit. <i>Nature Physics</i> , 2011 , 7, 962-965	16.2	554
12	Predictions for the rates of compact binary coalescences observable by ground-based gravitational-wave detectors. <i>Classical and Quantum Gravity</i> , 2010 , 27, 173001	3.3	869
11	FIRST SEARCH FOR GRAVITATIONAL WAVES FROM THE YOUNGEST KNOWN NEUTRON STAR. <i>Astrophysical Journal</i> , 2010 , 722, 1504-1513	4.7	95
10	SEARCH FOR NEUTRINOS FROM GRB 080319B AT SUPER-KAMIOKANDE. <i>Astrophysical Journal</i> , 2009 , 697, 730-734	4.7	8
9	SEARCH FOR ASTROPHYSICAL NEUTRINO POINT SOURCES AT SUPER-KAMIOKANDE. <i>Astrophysical Journal</i> , 2009 , 704, 503-512	4.7	25
8	Search for proton decay via $p \rightarrow e + \pi^0$ and $p \rightarrow \mu + \pi^0$ in a large water Cherenkov detector. <i>Physical Review Letters</i> , 2009 , 102, 141801	7.4	86

7	First study of neutron tagging with a water Cherenkov detector. <i>Astroparticle Physics</i> , 2009 , 31, 320-328	2.4	55
6	Probing the anisotropies of a stochastic gravitational-wave background using a network of ground-based laser interferometers. <i>Physical Review D</i> , 2009 , 80,	4.9	62
5	Study of TeV neutrinos with upward showering muons in Super-Kamiokande. <i>Astroparticle Physics</i> , 2008 , 29, 42-54	2.4	43
4	Search for Supernova Neutrino Bursts at Super-Kamiokande. <i>Astrophysical Journal</i> , 2007 , 669, 519-524	4.7	118
3	High-Energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. <i>Astrophysical Journal</i> , 2006 , 652, 198-205	4.7	18
2	Search for Diffuse Astrophysical Neutrino Flux Using UltraHigh-Energy Upward-going Muons in Super-Kamiokande I. <i>Astrophysical Journal</i> , 2006 , 652, 206-215	4.7	15
1	Gravitational waves as a probe of globular cluster formation and evolution. <i>Monthly Notices of the Royal Astronomical Society</i> ,	4.3	3