

Kipp Cannon

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/9129200/kipp-cannon-publications-by-year.pdf>

Version: 2024-04-28

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.

103
papers

33,820
citations

57
h-index

106
g-index

106
ext. papers

41,049
ext. citations

6.8
avg, IF

4.69
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 103 | Template bank for spinning compact binary mergers in the second observation run of Advanced LIGO and the first observation run of Advanced Virgo. <i>Physical Review D</i> , 2021 , 103, | 4.9 | 4 |
| 102 | First Demonstration of Early Warning Gravitational-wave Alerts. <i>Astrophysical Journal Letters</i> , 2021 , 910, L21 | 7.9 | 15 |
| 101 | Population Properties of Compact Objects from the Second LIGO-Virgo Gravitational-Wave Transient Catalog. <i>Astrophysical Journal Letters</i> , 2021 , 913, L7 | 7.9 | 194 |
| 100 | Observation of Gravitational Waves from Two Neutron Star-Black Hole Coalescences. <i>Astrophysical Journal Letters</i> , 2021 , 915, L5 | 7.9 | 142 |
| 99 | Approaching the motional ground state of a 10-kg object. <i>Science</i> , 2021 , 372, 1333-1336 | 33.3 | 14 |
| 98 | High speed source localization in searches for gravitational waves from compact object collisions. <i>Physical Review D</i> , 2021 , 103, | 4.9 | 1 |
| 97 | Search for Lensing Signatures in the Gravitational-Wave Observations from the First Half of LIGO-Virgo's Third Observing Run. <i>Astrophysical Journal</i> , 2021 , 923, 14 | 4.7 | 4 |
| 96 | 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> , 2020 , 896, L44 | 7.9 | 571 |
| 95 | GW190425: Observation of a Compact Binary Coalescence with Total Mass $\sim 3.4 M_{\odot}$. <i>Astrophysical Journal Letters</i> , 2020 , 892, L3 | 7.9 | 591 |
| 94 | Fast evaluation of multidetector consistency for real-time gravitational wave searches. <i>Physical Review D</i> , 2020 , 101, | 4.9 | 19 |
| 93 | An Early-warning System for Electromagnetic Follow-up of Gravitational-wave Events. <i>Astrophysical Journal Letters</i> , 2020 , 905, L25 | 7.9 | 23 |
| 92 | GW190521: A Binary Black Hole Merger with a Total Mass of $150 M_{\odot}$. <i>Physical Review Letters</i> , 2020 , 125, 101102 | 7.4 | 420 |
| 91 | Quantum-Enhanced Advanced LIGO Detectors in the Era of Gravitational-Wave Astronomy. <i>Physical Review Letters</i> , 2019 , 123, 231107 | 7.4 | 182 |
| 90 | Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2018 , 21, 3 | 32.5 | 543 |
| 89 | Exploring the sensitivity of next generation gravitational wave detectors. <i>Classical and Quantum Gravity</i> , 2017 , 34, 044001 | 3.3 | 454 |
| 88 | Effects of waveform model systematics on the interpretation of GW150914. <i>Classical and Quantum Gravity</i> , 2017 , 34, 104002 | 3.3 | 74 |
| 87 | 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 |

| | | | |
|----|---|-----|------|
| 86 | Directional Limits on Persistent Gravitational Waves from Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , 2017 , 118, 121102 | 7.4 | 65 |
| 85 | First Search for Gravitational Waves from Known Pulsars with Advanced LIGO. <i>Astrophysical Journal</i> , 2017 , 839, 12 | 4.7 | 107 |
| 84 | Analysis framework for the prompt discovery of compact binary mergers in gravitational-wave data. <i>Physical Review D</i> , 2017 , 95, | 4.9 | 162 |
| 83 | The basic physics of the binary black hole merger GW150914. <i>Annalen Der Physik</i> , 2017 , 529, 1600209 | 2.6 | 45 |
| 82 | 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 |
| 81 | 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 |
| 80 | GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. <i>Physical Review Letters</i> , 2017 , 119, 161101 | 7.4 | 4272 |
| 79 | Multi-messenger Observations of a Binary Neutron Star Merger. <i>Astrophysical Journal Letters</i> , 2017 , 848, L12 | 7.9 | 1935 |
| 78 | 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 |
| 77 | 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 |
| 76 | Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated with GW170817. <i>Astrophysical Journal Letters</i> , 2017 , 850, L39 | 7.9 | 127 |
| 75 | 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 |
| 74 | On the Progenitor of Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , 2017 , 850, L40 | 7.9 | 50 |
| 73 | GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. <i>Astrophysical Journal Letters</i> , 2017 , 851, L35 | 7.9 | 809 |
| 72 | PARAMETER ESTIMATION ON GRAVITATIONAL WAVES FROM NEUTRON-STAR BINARIES WITH SPINNING COMPONENTS. <i>Astrophysical Journal</i> , 2016 , 825, 116 | 4.7 | 53 |
| 71 | LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. <i>Astrophysical Journal Letters</i> , 2016 , 826, L13 | 7.9 | 183 |
| 70 | 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 |
| 69 | Second Einstein Telescope mock data and science challenge: Low frequency binary neutron star data analysis. <i>Physical Review D</i> , 2016 , 93, | 4.9 | 16 |

| | | | |
|----|--|------|------|
| 68 | GW150914: First results from the search for binary black hole coalescence with Advanced LIGO. <i>Physical Review D</i> , 2016 , 93, | 4.9 | 253 |
| 67 | GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes. <i>Physical Review Letters</i> , 2016 , 116, 131102 | 7.4 | 188 |
| 66 | GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. <i>Physical Review Letters</i> , 2016 , 116, 131103 | 7.4 | 328 |
| 65 | 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 |
| 64 | Tests of General Relativity with GW150914. <i>Physical Review Letters</i> , 2016 , 116, 221101 | 7.4 | 837 |
| 63 | Properties of the Binary Black Hole Merger GW150914. <i>Physical Review Letters</i> , 2016 , 116, 241102 | 7.4 | 515 |
| 62 | 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 |
| 61 | ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. <i>Astrophysical Journal Letters</i> , 2016 , 818, L22 | 7.9 | 512 |
| 60 | Observation of Gravitational Waves from a Binary Black Hole Merger. <i>Physical Review Letters</i> , 2016 , 116, 061102 | 7.4 | 6108 |
| 59 | Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. <i>Classical and Quantum Gravity</i> , 2016 , 33, | 3.3 | 155 |
| 58 | 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> , 2016 , 227, 14 | 8 | 52 |
| 57 | Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. <i>Living Reviews in Relativity</i> , 2016 , 19, 1 | 32.5 | 393 |
| 56 | | | |
| 55 | Characterization of the LIGO detectors during their sixth science run. <i>Classical and Quantum Gravity</i> , 2015 , 32, 115012 | 3.3 | 790 |
| 54 | Advanced LIGO. <i>Classical and Quantum Gravity</i> , 2015 , 32, 074001 | 3.3 | 1098 |
| 53 | SEARCHES FOR CONTINUOUS GRAVITATIONAL WAVES FROM NINE YOUNG SUPERNOVA REMNANTS. <i>Astrophysical Journal</i> , 2015 , 813, 39 | 4.7 | 58 |
| 52 | PARAMETER ESTIMATION FOR BINARY NEUTRON-STAR COALESCENCES WITH REALISTIC NOISE DURING THE ADVANCED LIGO ERA. <i>Astrophysical Journal</i> , 2015 , 804, 114 | 4.7 | 91 |
| 51 | Implementation of an 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 |

| | | | |
|----|---|-----|-----|
| 50 | GRAVITATIONAL WAVES FROM KNOWN PULSARS: RESULTS FROM THE INITIAL DETECTOR ERA. <i>Astrophysical Journal</i> , 2014 , 785, 119 | 4.7 | 109 |
| 49 | Application of a Hough search for continuous gravitational waves on data from the fifth LIGO science run. <i>Classical and Quantum Gravity</i> , 2014 , 31, 085014 | 3.3 | 18 |
| 48 | 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 |
| 47 | Search for gravitational waves associated with Γ ray bursts detected by the interplanetary network. <i>Physical Review Letters</i> , 2014 , 113, 011102 | 7.4 | 30 |
| 46 | Template banks for binary black hole searches with numerical relativity waveforms. <i>Physical Review D</i> , 2014 , 89, | 4.9 | 14 |
| 45 | FIRST SEARCHES FOR OPTICAL COUNTERPARTS TO GRAVITATIONAL-WAVE CANDIDATE EVENTS. <i>Astrophysical Journal, Supplement Series</i> , 2014 , 211, 7 | 8 | 51 |
| 44 | Improving the sensitivity of a search for coalescing binary black holes with nonprecessing spins in gravitational wave data. <i>Physical Review D</i> , 2014 , 89, | 4.9 | 75 |
| 43 | Constraints on cosmic strings from the LIGO-Virgo gravitational-wave detectors. <i>Physical Review Letters</i> , 2014 , 112, 131101 | 7.4 | 59 |
| 42 | 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 |
| 41 | THE FIRST TWO YEARS OF ELECTROMAGNETIC FOLLOW-UP WITH ADVANCED LIGO AND VIRGO. <i>Astrophysical Journal</i> , 2014 , 795, 105 | 4.7 | 141 |
| 40 | Search for long-lived gravitational-wave transients coincident with long gamma-ray bursts. <i>Physical Review D</i> , 2013 , 88, | 4.9 | 30 |
| 39 | Interpolation in waveform space: Enhancing the accuracy of gravitational waveform families using numerical relativity. <i>Physical Review D</i> , 2013 , 87, | 4.9 | 19 |
| 38 | Method to estimate the significance of coincident gravitational-wave observations from compact binary coalescence. <i>Physical Review D</i> , 2013 , 88, | 4.9 | 30 |
| 37 | Directed search for continuous gravitational waves from the Galactic center. <i>Physical Review D</i> , 2013 , 88, | 4.9 | 57 |
| 36 | Publisher's Note: Search for gravitational waves associated with the August 2006 timing glitch of the Vela pulsar [Phys. Rev. D 83, 042001 (2011)]. <i>Physical Review D</i> , 2012 , 85, | 4.9 | 2 |
| 35 | Likelihood-ratio ranking of gravitational-wave candidates in a non-Gaussian background. <i>Physical Review D</i> , 2012 , 85, | 4.9 | 10 |
| 34 | 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)]. <i>Physical Review D</i> , 2012 , 85, | 4.9 | 2 |
| 33 | TOWARD EARLY-WARNING DETECTION OF GRAVITATIONAL WAVES FROM COMPACT BINARY COALESCENCE. <i>Astrophysical Journal</i> , 2012 , 748, 136 | 4.7 | 162 |

| | | | |
|----|--|------|-----|
| 32 | Publisher's Note: All-sky search for gravitational-wave bursts in the first joint LIGO-GEO-Virgo run [Phys. Rev. D 81, 102001 (2010)]. <i>Physical Review D</i> , 2012 , 85, | 4.9 | 3 |
| 31 | Interpolating compact binary waveforms using the singular value decomposition. <i>Physical Review D</i> , 2012 , 85, | 4.9 | 18 |
| 30 | Detecting transient gravitational waves in non-Gaussian noise with partially redundant analysis methods. <i>Physical Review D</i> , 2012 , 85, | 4.9 | 7 |
| 29 | Progress on the Low-Latency Inspiral Gravitational Wave Detection algorithm known as SPIIR. <i>Journal of Physics: Conference Series</i> , 2012 , 363, 012027 | 0.3 | 0 |
| 28 | Composite gravitational-wave detection of compact binary coalescence. <i>Physical Review D</i> , 2011 , 83, | 4.9 | 9 |
| 27 | Search for gravitational waves associated with the August 2006 timing glitch of the Vela pulsar. <i>Physical Review D</i> , 2011 , 83, | 4.9 | 40 |
| 26 | Efficiently enclosing the compact binary parameter space by singular-value decomposition. <i>Physical Review D</i> , 2011 , 84, | 4.9 | 27 |
| 25 | SEARCHES FOR GRAVITATIONAL WAVES FROM KNOWN PULSARS WITH SCIENCE RUN 5 LIGO DATA. <i>Astrophysical Journal</i> , 2010 , 713, 671-685 | 4.7 | 140 |
| 24 | Application of graphics processing units to search pipelines for gravitational waves from coalescing binaries of compact objects. <i>Classical and Quantum Gravity</i> , 2010 , 27, 135009 | 3.3 | 10 |
| 23 | Search for gravitational waves from compact binary coalescence in LIGO and Virgo data from S5 and VSR1. <i>Physical Review D</i> , 2010 , 82, | 4.9 | 100 |
| 22 | All-sky search for gravitational-wave bursts in the first joint LIGO-GEO-Virgo run. <i>Physical Review D</i> , 2010 , 81, | 4.9 | 81 |
| 21 | Singular value decomposition applied to compact binary coalescence gravitational-wave signals. <i>Physical Review D</i> , 2010 , 82, | 4.9 | 60 |
| 20 | 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 |
| 19 | SEARCH FOR GRAVITATIONAL-WAVE INSPIRAL SIGNALS ASSOCIATED WITH SHORT GAMMA-RAY BURSTS DURING LIGO'S FIFTH AND VIRGO'S FIRST SCIENCE RUN. <i>Astrophysical Journal</i> , 2010 , 715, 1453-1461 | 4.7 | 79 |
| 18 | SEARCH FOR GRAVITATIONAL-WAVE BURSTS ASSOCIATED WITH GAMMA-RAY BURSTS USING DATA FROM LIGO SCIENCE RUN 5 AND VIRGO SCIENCE RUN 1. <i>Astrophysical Journal</i> , 2010 , 715, 1438-1452 | 4.7 | 54 |
| 17 | FIRST SEARCH FOR GRAVITATIONAL WAVES FROM THE YOUNGEST KNOWN NEUTRON STAR. <i>Astrophysical Journal</i> , 2010 , 722, 1504-1513 | 4.7 | 95 |
| 16 | All-sky LIGO search for periodic gravitational waves in the early fifth-science-run data. <i>Physical Review Letters</i> , 2009 , 102, 111102 | 7.4 | 77 |
| 15 | An upper limit on the stochastic gravitational-wave background of cosmological origin. <i>Nature</i> , 2009 , 460, 990-4 | 50.4 | 267 |

| | | | |
|----|---|------|-----|
| 14 | Stacking gravitational wave signals from soft gamma repeater bursts. <i>Physical Review D</i> , 2009 , 80, | 4.9 | 15 |
| 13 | Search for gravitational-wave bursts in the first year of the fifth LIGO science run. <i>Physical Review D</i> , 2009 , 80, | 4.9 | 71 |
| 12 | LIGO: the Laser Interferometer Gravitational-Wave Observatory. <i>Reports on Progress in Physics</i> , 2009 , 72, 076901 | 14.4 | 822 |
| 11 | Einstein@Home search for periodic gravitational waves in early S5 LIGO data. <i>Physical Review D</i> , 2009 , 80, | 4.9 | 73 |
| 10 | First LIGO search for gravitational wave bursts from cosmic (super)strings. <i>Physical Review D</i> , 2009 , 80, | 4.9 | 43 |
| 9 | Search for gravitational waves from low mass compact binary coalescence in 186 days of LIGO's fifth science run. <i>Physical Review D</i> , 2009 , 80, | 4.9 | 100 |
| 8 | Search for gravitational waves from low mass binary coalescences in the first year of LIGO's S5 data. <i>Physical Review D</i> , 2009 , 79, | 4.9 | 115 |
| 7 | Search for gravitational wave ringdowns from perturbed black holes in LIGO S4 data. <i>Physical Review D</i> , 2009 , 80, | 4.9 | 36 |
| 6 | Search for high frequency gravitational-wave bursts in the first calendar year of LIGO's fifth science run. <i>Physical Review D</i> , 2009 , 80, | 4.9 | 31 |
| 5 | STACKED SEARCH FOR GRAVITATIONAL WAVES FROM THE 2006 SGR 1900+14 STORM. <i>Astrophysical Journal</i> , 2009 , 701, L68-L74 | 4.7 | 40 |
| 4 | A Bayesian coincidence test for noise rejection in a gravitational-wave burst search. <i>Classical and Quantum Gravity</i> , 2008 , 25, 105024 | 3.3 | 23 |
| 3 | Efficient algorithm for computing the time-resolved full-sky cross power in an interferometer with omnidirectional elements. <i>Physical Review D</i> , 2007 , 75, | 4.9 | 5 |
| 2 | Gravitational wave bursts from cosmic (super)strings: Quantitative analysis and constraints. <i>Physical Review D</i> , 2006 , 73, | 4.9 | 97 |
| 1 | Search for intermediate-mass black hole binaries in the third observing run of Advanced LIGO and Advanced Virgo. <i>Astronomy and Astrophysics</i> , | 5.1 | 4 |