

Fabien KÃ©fÃ©lian

List of Publications by Year in descending order

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Version: 2024-02-01

167
papers

55,848
citations

10351

72
h-index

7496

151
g-index

170
all docs

170
docs citations

170
times ranked

17331
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Observation of Gravitational Waves from a Binary Black Hole Merger. Physical Review Letters, 2016, 116, 061102. | 2.9 | 8,753 |
| 2 | GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. Physical Review Letters, 2017, 119, 161101. | 2.9 | 6,413 |
| 3 | Multi-messenger Observations of a Binary Neutron Star Merger [*] . Astrophysical Journal Letters, 2017, 848, L12. | 3.0 | 2,805 |
| 4 | GW151226: Observation of Gravitational Waves from a 22-Solar-Mass Binary Black Hole Coalescence. Physical Review Letters, 2016, 116, 241103. | 2.9 | 2,701 |
| 5 | Advanced Virgo: a second-generation interferometric gravitational wave detector. Classical and Quantum Gravity, 2015, 32, 024001. | 1.5 | 2,530 |
| 6 | Gravitational Waves and Gamma-Rays from a Binary Neutron Star Merger: GW170817 and GRB 170817A. Astrophysical Journal Letters, 2017, 848, L13. | 3.0 | 2,314 |
| 7 | 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, . | 2.8 | 2,022 |
| 8 | GW170104: Observation of a 50-Solar-Mass Binary Black Hole Coalescence at Redshift 0.2. Physical Review Letters, 2017, 118, 221101. | 2.9 | 1,987 |
| 9 | GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence. Physical Review Letters, 2017, 119, 141101. | 2.9 | 1,600 |
| 10 | GW170817: Measurements of Neutron Star Radii and Equation of State. Physical Review Letters, 2018, 121, 161101. | 2.9 | 1,473 |
| 11 | Tests of General Relativity with GW150914. Physical Review Letters, 2016, 116, 221101. | 2.9 | 1,224 |
| 12 | 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. | 3.0 | 1,090 |
| 13 | GW190425: Observation of a Compact Binary Coalescence with Total Mass $\hat{\sim}1/4\hat{\sim}3.4 M_{\text{sub}}\hat{\sim}^{\text{TM}}$. Astrophysical Journal Letters, 2020, 892, L3. | 3.0 | 1,049 |
| 14 | Characterization of the LIGO detectors during their sixth science run. Classical and Quantum Gravity, 2015, 32, 115012. | 1.5 | 1,029 |
| 15 | GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. Astrophysical Journal Letters, 2017, 851, L35. | 3.0 | 968 |
| 16 | Binary Black Hole Mergers in the First Advanced LIGO Observing Run. Physical Review X, 2016, 6, . | 2.8 | 898 |
| 17 | GW190521: A Binary Black Hole Merger with a Total Mass of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 150 \langle \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle \hat{\sim} \langle \text{mml:mtext} \rangle \hat{\sim} \langle \text{mml:mtext} \rangle \hat{\sim} \langle \text{mml:mtext} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:sub} \rangle \langle \text{mml:stretchy}="false" \rangle \hat{\sim} \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$. Physical Review Letters, 2020, 125, 101102. | 2.9 | 836 |
| 18 | Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2018, 21, 3. | 8.2 | 808 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Properties of the Binary Neutron Star Merger GW170817. <i>Physical Review X</i> , 2019, 9, . | 2.8 | 728 |
| 20 | A gravitational-wave standard siren measurement of the Hubble constant. <i>Nature</i> , 2017, 551, 85-88. | 13.7 | 674 |
| 21 | Properties of the Binary Black Hole Merger GW150914. <i>Physical Review Letters</i> , 2016, 116, 241102. | 2.9 | 673 |
| 22 | ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. <i>Astrophysical Journal Letters</i> , 2016, 818, L22. | 3.0 | 633 |
| 23 | Binary Black Hole Population Properties Inferred from the First and Second Observing Runs of Advanced LIGO and Advanced Virgo. <i>Astrophysical Journal Letters</i> , 2019, 882, L24. | 3.0 | 566 |
| 24 | Tests of general relativity with the binary black hole signals from the LIGO-Virgo catalog GWTC-1. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 470 |
| 25 | GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. <i>Physical Review Letters</i> , 2016, 116, 131103. | 2.9 | 466 |
| 26 | Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2020, 23, 3. | 8.2 | 447 |
| 27 | Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. <i>Living Reviews in Relativity</i> , 2016, 19, 1. | 8.2 | 427 |
| 28 | Properties and Astrophysical Implications of the $150 M_{\odot}$ Binary Black Hole Merger GW190521. <i>Astrophysical Journal Letters</i> , 2020, 900, L13. | 3.0 | 406 |
| 29 | GW190412: Observation of a binary-black-hole coalescence with asymmetric masses. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 394 |
| 30 | Tests of General Relativity with GW170817. <i>Physical Review Letters</i> , 2019, 123, 011102. | 2.9 | 370 |
| 31 | GW150914: First results from the search for binary black hole coalescence with Advanced LIGO. <i>Physical Review D</i> , 2016, 93, . | 1.6 | 315 |
| 32 | Open data from the first and second observing runs of Advanced LIGO and Advanced Virgo. <i>SoftwareX</i> , 2021, 13, 100658. | 1.2 | 275 |
| 33 | GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes. <i>Physical Review Letters</i> , 2016, 116, 131102. | 2.9 | 269 |
| 34 | Increasing the Astrophysical Reach of the Advanced Virgo Detector via the Application of Squeezed Vacuum States of Light. <i>Physical Review Letters</i> , 2019, 123, 231108. | 2.9 | 254 |
| 35 | THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914. <i>Astrophysical Journal Letters</i> , 2016, 833, L1. | 3.0 | 230 |
| 36 | Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. <i>Classical and Quantum Gravity</i> , 2016, 33, 134001. | 1.5 | 225 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. <i>Astrophysical Journal Letters</i> , 2016, 826, L13. | 3.0 | 210 |
| 38 | Search for the isotropic stochastic background using data from Advanced LIGO's second observing run. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 200 |
| 39 | Upper Limits on the Stochastic Gravitational-Wave Background from Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , 2017, 118, 121101. | 2.9 | 194 |
| 40 | Search for Post-merger Gravitational Waves from the Remnant of the Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , 2017, 851, L16. | 3.0 | 189 |
| 41 | A guide to LIGO's Virgo detector noise and extraction of transient gravitational-wave signals. <i>Classical and Quantum Gravity</i> , 2020, 37, 055002. | 1.5 | 188 |
| 42 | First Measurement of the Hubble Constant from a Dark Standard Siren using the Dark Energy Survey Galaxies and the LIGO/Virgo Binary's Black-hole Merger GW170814. <i>Astrophysical Journal Letters</i> , 2019, 876, L7. | 3.0 | 179 |
| 43 | GW170817: Implications for the Stochastic Gravitational-Wave Background from Compact Binary Coalescences. <i>Physical Review Letters</i> , 2018, 120, 091101. | 2.9 | 166 |
| 44 | Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated with GW170817. <i>Astrophysical Journal Letters</i> , 2017, 850, L39. | 3.0 | 156 |
| 45 | UPPER LIMITS ON THE RATES OF BINARY NEUTRON STAR AND NEUTRON STAR-BLACK HOLE MERGERS FROM ADVANCED LIGO'S FIRST OBSERVING RUN. <i>Astrophysical Journal Letters</i> , 2016, 832, L21. | 3.0 | 146 |
| 46 | RF Linewidth in Monolithic Passively Mode-Locked Semiconductor Laser. <i>IEEE Photonics Technology Letters</i> , 2008, 20, 1405-1407. | 1.3 | 145 |
| 47 | A Standard Siren Measurement of the Hubble Constant from GW170817 without the Electromagnetic Counterpart. <i>Astrophysical Journal Letters</i> , 2019, 871, L13. | 3.0 | 145 |
| 48 | A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. <i>Astrophysical Journal</i> , 2021, 909, 218. | 1.6 | 144 |
| 49 | Long-distance frequency transfer over an urban fiber link using optical phase stabilization. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008, 25, 2029. | 0.9 | 139 |
| 50 | Ultralow-frequency-noise stabilization of a laser by locking to an optical fiber-delay line. <i>Optics Letters</i> , 2009, 34, 914. | 1.7 | 137 |
| 51 | Search for High-energy Neutrinos from Binary Neutron Star Merger GW170817 with ANTARES, IceCube, and the Pierre Auger Observatory. <i>Astrophysical Journal Letters</i> , 2017, 850, L35. | 3.0 | 135 |
| 52 | First Search for Gravitational Waves from Known Pulsars with Advanced LIGO. <i>Astrophysical Journal</i> , 2017, 839, 12. | 1.6 | 131 |
| 53 | Cascaded multiplexed optical link on a telecommunication network for frequency dissemination. <i>Optics Express</i> , 2010, 18, 16849. | 1.7 | 125 |
| 54 | GRAVITATIONAL WAVES FROM KNOWN PULSARS: RESULTS FROM THE INITIAL DETECTOR ERA. <i>Astrophysical Journal</i> , 2014, 785, 119. | 1.6 | 125 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Observing gravitational-wave transient GW150914 with minimal assumptions. <i>Physical Review D</i> , 2016, 93, . | 1.6 | 119 |
| 56 | Search for Substellar Mass Ultracompact Binaries in Advanced LIGO's Second Observing Run. <i>Physical Review Letters</i> , 2019, 123, 161102. | 2.9 | 119 |
| 57 | Model comparison from LIGO's Virgo data on GW170817's binary components and consequences for the merger remnant. <i>Classical and Quantum Gravity</i> , 2020, 37, 045006. | 1.5 | 109 |
| 58 | Improved Analysis of GW150914 Using a Fully Spin-Precessing Waveform Model. <i>Physical Review X</i> , 2016, 6, . | 2.8 | 106 |
| 59 | Directly comparing GW150914 with numerical solutions of Einstein's equations for binary black hole coalescence. <i>Physical Review D</i> , 2016, 94, . | 1.6 | 102 |
| 60 | All-sky search for continuous gravitational waves from isolated neutron stars using Advanced LIGO O2 data. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 102 |
| 61 | Effects of waveform model systematics on the interpretation of GW150914. <i>Classical and Quantum Gravity</i> , 2017, 34, 104002. | 1.5 | 98 |
| 62 | Search for Gravitational Waves from a Long-lived Remnant of the Binary Neutron Star Merger GW170817. <i>Astrophysical Journal</i> , 2019, 875, 160. | 1.6 | 97 |
| 63 | Effects of data quality vetoes on a search for compact binary coalescences in Advanced LIGO's first observing run. <i>Classical and Quantum Gravity</i> , 2018, 35, 065010. | 1.5 | 94 |
| 64 | High-energy neutrino follow-up search of gravitational wave event GW150914 with ANTARES and IceCube. <i>Physical Review D</i> , 2016, 93, . | 1.6 | 92 |
| 65 | Constraints on cosmic strings using data from the first Advanced LIGO observing run. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 88 |
| 66 | Searches for Gravitational Waves from Known Pulsars at Two Harmonics in 2015-2017 LIGO Data. <i>Astrophysical Journal</i> , 2019, 879, 10. | 1.6 | 88 |
| 67 | Improved Upper Limits on the Stochastic Gravitational-Wave Background from 2009-2010 LIGO and Virgo Data. <i>Physical Review Letters</i> , 2014, 113, 231101. | 2.9 | 86 |
| 68 | Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background. <i>Physical Review Letters</i> , 2018, 120, 201102. | 2.9 | 85 |
| 69 | Directional Limits on Persistent Gravitational Waves from Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , 2017, 118, 121102. | 2.9 | 84 |
| 70 | Search for Substellar-Mass Ultracompact Binaries in Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , 2018, 121, 231103. | 2.9 | 77 |
| 71 | Search for intermediate mass black hole binaries in the first observing run of Advanced LIGO. <i>Physical Review D</i> , 2017, 96, . | 1.6 | 73 |
| 72 | On the Progenitor of Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , 2017, 850, L40. | 3.0 | 73 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Search for Eccentric Binary Black Hole Mergers with Advanced LIGO and Advanced Virgo during Their First and Second Observing Runs. <i>Astrophysical Journal</i> , 2019, 883, 149. | 1.6 | 72 |
| 74 | Low-latency Gravitational-wave Alerts for Multimessenger Astronomy during the Second Advanced LIGO and Virgo Observing Run. <i>Astrophysical Journal</i> , 2019, 875, 161. | 1.6 | 71 |
| 75 | All-sky search for short gravitational-wave bursts in the first Advanced LIGO run. <i>Physical Review D</i> , 2017, 95, . | 1.6 | 69 |
| 76 | The basic physics of the binary black hole merger GW150914. <i>Annalen Der Physik</i> , 2017, 529, 1600209. | 0.9 | 69 |
| 77 | Optically targeted search for gravitational waves emitted by core-collapse supernovae during the first and second observing runs of advanced LIGO and advanced Virgo. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 69 |
| 78 | Constraints on Cosmic Strings from the LIGO-Virgo Gravitational-Wave Detectors. <i>Physical Review Letters</i> , 2014, 112, 131101. | 2.9 | 68 |
| 79 | First Search for Nontensorial Gravitational Waves from Known Pulsars. <i>Physical Review Letters</i> , 2018, 120, 031104. | 2.9 | 68 |
| 80 | SEARCHES FOR CONTINUOUS GRAVITATIONAL WAVES FROM NINE YOUNG SUPERNOVA REMNANTS. <i>Astrophysical Journal</i> , 2015, 813, 39. | 1.6 | 66 |
| 81 | Directed search for continuous gravitational waves from the Galactic center. <i>Physical Review D</i> , 2013, 88, . | 1.6 | 65 |
| 82 | Gravitational-wave Constraints on the Equatorial Ellipticity of Millisecond Pulsars. <i>Astrophysical Journal Letters</i> , 2020, 902, L21. | 3.0 | 65 |
| 83 | All-sky search for periodic gravitational waves in the O1 LIGO data. <i>Physical Review D</i> , 2017, 96, . | 1.6 | 64 |
| 84 | SUPPLEMENT: α THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914 (2016, <i>ApJL</i> , 833, L1). <i>Astrophysical Journal</i> , Supplement Series, 2016, 227, 14. | 3.0 | 63 |
| 85 | Searches for Continuous Gravitational Waves from 15 Supernova Remnants and Fomalhaut b with Advanced LIGO. <i>Astrophysical Journal</i> , 2019, 875, 122. | 1.6 | 61 |
| 86 | First all-sky search for continuous gravitational waves from unknown sources in binary systems. <i>Physical Review D</i> , 2014, 90, . | 1.6 | 60 |
| 87 | First targeted search for gravitational-wave bursts from core-collapse supernovae in data of first-generation laser interferometer detectors. <i>Physical Review D</i> , 2016, 94, . | 1.6 | 60 |
| 88 | First low-frequency Einstein@Home all-sky search for continuous gravitational waves in Advanced LIGO data. <i>Physical Review D</i> , 2017, 96, . | 1.6 | 60 |
| 89 | Narrow-band search for gravitational waves from known pulsars using the second LIGO observing run. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 60 |
| 90 | Search for gravitational waves from Scorpius X-1 in the first Advanced LIGO observing run with a hidden Markov model. <i>Physical Review D</i> , 2017, 95, . | 1.6 | 59 |

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| 91 | FIRST SEARCHES FOR OPTICAL COUNTERPARTS TO GRAVITATIONAL-WAVE CANDIDATE EVENTS. <i>Astrophysical Journal, Supplement Series</i> , 2014, 211, 7. | 3.0 | 57 |
| 92 | An agile laser with ultra-low frequency noise and high sweep linearity. <i>Optics Express</i> , 2010, 18, 3284. | 1.7 | 54 |
| 93 | All-sky search for short gravitational-wave bursts in the second Advanced LIGO and Advanced Virgo run. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 54 |
| 94 | 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. | 1.6 | 52 |
| 95 | Search for intermediate mass black hole binaries in the first and second observing runs of the Advanced LIGO and Virgo network. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 52 |
| 96 | Directional limits on persistent gravitational waves using data from Advanced LIGO's first two observing runs. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 52 |
| 97 | High-resolution optical frequency dissemination on a telecommunications network with data traffic. <i>Optics Letters</i> , 2009, 34, 1573. | 1.7 | 51 |
| 98 | Frequency and time transfer for metrology and beyond using telecommunication network fibres. <i>Comptes Rendus Physique</i> , 2015, 16, 531-539. | 0.3 | 48 |
| 99 | Optical linewidth of a passively mode-locked semiconductor laser. <i>Optics Letters</i> , 2009, 34, 3307. | 1.7 | 47 |
| 100 | Directed search for gravitational waves from Scorpius X-1 with initial LIGO data. <i>Physical Review D</i> , 2015, 91, . | 1.6 | 47 |
| 101 | First narrow-band search for continuous gravitational waves from known pulsars in advanced detector data. <i>Physical Review D</i> , 2017, 96, . | 1.6 | 47 |
| 102 | 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. | 1.6 | 46 |
| 103 | Full band all-sky search for periodic gravitational waves in the O1 LIGO data. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 46 |
| 104 | Search for gravitational waves from Scorpius X-1 in the second Advanced LIGO observing run with an improved hidden Markov model. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 46 |
| 105 | SUPPLEMENT: LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914 (2016, <i>ApJL</i> , 826, L13). <i>Astrophysical Journal, Supplement Series</i> , 2016, 225, 8. | 3.0 | 44 |
| 106 | All-sky search in early O3 LIGO data for continuous gravitational-wave signals from unknown neutron stars in binary systems. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 43 |
| 107 | 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. | 1.5 | 42 |
| 108 | Calibration of advanced Virgo and reconstruction of the gravitational wave signal $h(t)$ ($h(t)$) Tj ETQq0 0 0 ggBT /Over lock 10 Tf | 1.5 | 41 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 109 | Search for high-energy neutrinos from gravitational wave event GW151226 and candidate LVT151012 with ANTARES and IceCube. <i>Physical Review D</i> , 2017, 96, . | 1.6 | 40 |
| 110 | Searching for stochastic gravitational waves using data from the two colocated LIGO Hanford detectors. <i>Physical Review D</i> , 2015, 91, . | 1.6 | 39 |
| 111 | Narrow-band search of continuous gravitational-wave signals from Crab and Vela pulsars in Virgo VSR4 data. <i>Physical Review D</i> , 2015, 91, . | 1.6 | 37 |
| 112 | Constraining the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:mi}> p \langle / \text{mml:mi}> \langle / \text{mml:math}> - \text{Mode} \hat{a} \text{€} \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:mi}> g \langle / \text{mml:mi}> \langle / \text{mml:math}> - \text{Mode}$ Tidal Instability with GW170817. <i>Physical Review Letters</i> , 2019, 122, 061104. | 2.9 | 36 |
| 113 | Search for gravitational radiation from intermediate mass black hole binaries in data from the second LIGO-Virgo joint science run. <i>Physical Review D</i> , 2014, 89, . | 1.6 | 35 |
| 114 | Comprehensive all-sky search for periodic gravitational waves in the sixth science run LIGO data. <i>Physical Review D</i> , 2016, 94, . | 1.6 | 35 |
| 115 | Quantum Backaction on Kg-Scale Mirrors: Observation of Radiation Pressure Noise in the Advanced Virgo Detector. <i>Physical Review Letters</i> , 2020, 125, 131101. | 2.9 | 35 |
| 116 | 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. | 1.5 | 34 |
| 117 | Search for Gravitational Waves Associated with $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:mi}> \hat{\Gamma}^3 \langle / \text{mml:mi}> \langle / \text{mml:math}> - \text{ray}$ Bursts Detected by the Interplanetary Network. <i>Physical Review Letters</i> , 2014, 113, 011102. | 2.9 | 32 |
| 118 | First low frequency all-sky search for continuous gravitational wave signals. <i>Physical Review D</i> , 2016, 93, . | 1.6 | 32 |
| 119 | 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. | 1.6 | 32 |
| 120 | Search for long-lived gravitational-wave transients coincident with long gamma-ray bursts. <i>Physical Review D</i> , 2013, 88, . | 1.6 | 31 |
| 121 | Results of the deepest all-sky survey for continuous gravitational waves on LIGO S6 data running on the Einstein@Home volunteer distributed computing project. <i>Physical Review D</i> , 2016, 94, . | 1.6 | 31 |
| 122 | A Fermi Gamma-Ray Burst Monitor Search for Electromagnetic Signals Coincident with Gravitational-wave Candidates in Advanced LIGO's First Observing Run. <i>Astrophysical Journal</i> , 2019, 871, 90. | 1.6 | 30 |
| 123 | Multimessenger search for sources of gravitational waves and high-energy neutrinos: Initial results for LIGO-Virgo and IceCube. <i>Physical Review D</i> , 2014, 90, . | 1.6 | 29 |
| 124 | Methods and results of a search for gravitational waves associated with gamma-ray bursts using the GEO 600, LIGO, and Virgo detectors. <i>Physical Review D</i> , 2014, 89, . | 1.6 | 29 |
| 125 | All-sky search for long-duration gravitational wave transients with initial LIGO. <i>Physical Review D</i> , 2016, 93, . | 1.6 | 29 |
| 126 | Search for Gravitational-wave Signals Associated with Gamma-Ray Bursts during the Second Observing Run of Advanced LIGO and Advanced Virgo. <i>Astrophysical Journal</i> , 2019, 886, 75. | 1.6 | 29 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | Search for gravitational wave ringdowns from perturbed intermediate mass black holes in LIGO-Virgo data from 2005–2010. <i>Physical Review D</i> , 2014, 89, . | 1.6 | 28 |
| 128 | The Advanced Virgo detector. <i>Journal of Physics: Conference Series</i> , 2015, 610, 012014. | 0.3 | 27 |
| 129 | Search for Transient Gravitational-wave Signals Associated with Magnetar Bursts during Advanced LIGO’s Second Observing Run. <i>Astrophysical Journal</i> , 2019, 874, 163. | 1.6 | 26 |
| 130 | All-sky search for long-duration gravitational-wave transients in the second Advanced LIGO observing run. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 22 |
| 131 | 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. | 1.5 | 21 |
| 132 | Search for continuous gravitational waves from neutron stars in globular cluster NGC 6544. <i>Physical Review D</i> , 2017, 95, . | 1.6 | 19 |
| 133 | All-sky search for long-duration gravitational wave transients in the first Advanced LIGO observing run. <i>Classical and Quantum Gravity</i> , 2018, 35, 065009. | 1.5 | 18 |
| 134 | Search of the Orion spur for continuous gravitational waves using a loosely coherent algorithm on data from LIGO interferometers. <i>Physical Review D</i> , 2016, 93, . | 1.6 | 17 |
| 135 | Experimental investigation of different regimes of mode-locking in a high repetition rate passively mode-locked semiconductor quantum-dot laser. <i>Optics Express</i> , 2009, 17, 6258. | 1.7 | 16 |
| 136 | Fabry-Pérot-Michelson interferometer using higher-order Laguerre-Gauss modes. <i>Physical Review D</i> , 2014, 90, . | 1.6 | 14 |
| 137 | Search for transient gravitational waves in coincidence with short-duration radio transients during 2007–2013. <i>Physical Review D</i> , 2016, 93, . | 1.6 | 14 |
| 138 | A Joint Fermi-GBM and LIGO/Virgo Analysis of Compact Binary Mergers from the First and Second Gravitational-wave Observing Runs. <i>Astrophysical Journal</i> , 2020, 893, 100. | 1.6 | 12 |
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