

# Claudia Lazzaro

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/475354/publications.pdf>

Version: 2024-02-01

160  
papers

59,477  
citations

9234

74  
h-index

5965

160  
g-index

162  
all docs

162  
docs citations

162  
times ranked

17410  
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 <sup>*</sup> . 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  | Advanced LIGO. Classical and Quantum Gravity, 2015, 32, 074001.   | 1.5 | 1,929     |
| 10 | GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence. Physical Review Letters, 2017, 119, 141101.                               | 2.9 | 1,600     |
| 11 | GW170817: Measurements of Neutron Star Radii and Equation of State. Physical Review Letters, 2018, 121, 161101.   | 2.9 | 1,473     |
| 12 | Tests of General Relativity with GW150914. Physical Review Letters, 2016, 116, 221101.  | 2.9 | 1,224     |
| 13 | GWTC-2: Compact Binary Coalescences Observed by LIGO and Virgo during the First Half of the Third Observing Run. Physical Review X, 2021, 11, .                               | 2.8 | 1,097     |
| 14 | 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     |
| 15 | GW190425: Observation of a Compact Binary Coalescence with Total Mass $\hat{M} \approx 3.4 M_{\odot}$ . Astrophysical Journal Letters, 2020, 892, L3.                         | 3.0 | 1,049     |
| 16 | GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. Astrophysical Journal Letters, 2017, 851, L35.  | 3.0 | 968       |
| 17 | Binary Black Hole Mergers in the First Advanced LIGO Observing Run. Physical Review X, 2016, 6, .   | 2.8 | 898       |
| 18 | GW190521: A Binary Black Hole Merger with a Total Mass of $\hat{M} \approx 86 M_{\odot}$ . Physical Review Letters, 2020, 125, 101102.  | 2.9 | 836       |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2018, 21, 3.                 | 8.2  | 808       |
| 20 | Properties of the Binary Neutron Star Merger GW170817. <i>Physical Review X</i> , 2019, 9, .  | 2.8  | 728       |
| 21 | A gravitational-wave standard siren measurement of the Hubble constant. <i>Nature</i> , 2017, 551, 85-88.   | 13.7 | 674       |
| 22 | Properties of the Binary Black Hole Merger GW150914. <i>Physical Review Letters</i> , 2016, 116, 241102.  | 2.9  | 673       |
| 23 | ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. <i>Astrophysical Journal Letters</i> , 2016, 818, L22.   | 3.0  | 633       |
| 24 | 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       |
| 25 | Population Properties of Compact Objects from the Second LIGO–Virgo Gravitational-Wave Transient Catalog. <i>Astrophysical Journal Letters</i> , 2021, 913, L7.                       | 3.0  | 514       |
| 26 | 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       |
| 27 | GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. <i>Physical Review Letters</i> , 2016, 116, 131103.  | 2.9  | 466       |
| 28 | Observation of Gravitational Waves from Two Neutron Star–Black Hole Coalescences. <i>Astrophysical Journal Letters</i> , 2021, 915, L5.   | 3.0  | 453       |
| 29 | 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       |
| 30 | 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       |
| 31 | 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       |
| 32 | GW190412: Observation of a binary-black-hole coalescence with asymmetric masses. <i>Physical Review D</i> , 2020, 102, .  | 1.6  | 394       |
| 33 | Tests of General Relativity with GW170817. <i>Physical Review Letters</i> , 2019, 123, 011102.  | 2.9  | 370       |
| 34 | Tests of general relativity with binary black holes from the second LIGO-Virgo gravitational-wave transient catalog. <i>Physical Review D</i> , 2021, 103, .                          | 1.6  | 338       |
| 35 | GW150914: First results from the search for binary black hole coalescence with Advanced LIGO. <i>Physical Review D</i> , 2016, 93, .  | 1.6  | 315       |
| 36 | Method for detection and reconstruction of gravitational wave transients with networks of advanced detectors. <i>Physical Review D</i> , 2016, 93, .                                  | 1.6  | 275       |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Open data from the first and second observing runs of Advanced LIGO and Advanced Virgo. SoftwareX, 2021, 13, 100658.  | 1.2 | 275       |
| 38 | GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes. Physical Review Letters, 2016, 116, 131102.  | 2.9 | 269       |
| 39 | Increasing the Astrophysical Reach of the Advanced Virgo Detector via the Application of Squeezed Vacuum States of Light. Physical Review Letters, 2019, 123, 231108.   | 2.9 | 254       |
| 40 | THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914. Astrophysical Journal Letters, 2016, 833, L1.  | 3.0 | 230       |
| 41 | Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. Classical and Quantum Gravity, 2016, 33, 134001.   | 1.5 | 225       |
| 42 | LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. Astrophysical Journal Letters, 2016, 826, L13.   | 3.0 | 210       |
| 43 | The OPERA experiment in the CERN to Gran Sasso neutrino beam. Journal of Instrumentation, 2009, 4, P04018-P04018.   | 0.5 | 195       |
| 44 | Upper Limits on the Stochastic Gravitational-Wave Background from Advanced LIGO's First Observing Run. Physical Review Letters, 2017, 118, 121101.  | 2.9 | 194       |
| 45 | Upper limits on the isotropic gravitational-wave background from Advanced LIGO and Advanced Virgo's third observing run. Physical Review D, 2021, 104, .  | 1.6 | 192       |
| 46 | Search for Post-merger Gravitational Waves from the Remnant of the Binary Neutron Star Merger GW170817. Astrophysical Journal Letters, 2017, 851, L16.  | 3.0 | 189       |
| 47 | A guide to LIGO's Virgo detector noise and extraction of transient gravitational-wave signals. Classical and Quantum Gravity, 2020, 37, 055002.   | 1.5 | 188       |
| 48 | First Measurement of the Hubble Constant from a Dark Standard Siren using the Dark Energy Survey Galaxies and the LIGO/Virgo Binary Black-hole Merger GW170814. Astrophysical Journal Letters, 2019, 876, L7. | 3.0 | 179       |
| 49 | Observation of a first $\frac{1}{2}$ candidate event in the OPERA experiment in the CNGS beam. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics. 2010. 691. 138-145.          | 1.5 | 173       |
| 50 | GW170817: Implications for the Stochastic Gravitational-Wave Background from Compact Binary Coalescences. Physical Review Letters, 2018, 120, 091101.   | 2.9 | 166       |
| 51 | Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated with GW170817. Astrophysical Journal Letters, 2017, 850, L39.  | 3.0 | 156       |
| 52 | 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.                                 | 3.0 | 146       |
| 53 | A Standard Siren Measurement of the Hubble Constant from GW170817 without the Electromagnetic Counterpart. Astrophysical Journal Letters, 2019, 871, L13.   | 3.0 | 145       |
| 54 | A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. Astrophysical Journal, 2021, 909, 218.   | 1.6 | 144       |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 55 | 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       |
| 56 | First Search for Gravitational Waves from Known Pulsars with Advanced LIGO. <i>Astrophysical Journal</i> , 2017, 839, 12.   | 1.6 | 131       |
| 57 | Observing gravitational-wave transient GW150914 with minimal assumptions. <i>Physical Review D</i> , 2016, 93, .  | 1.6 | 119       |
| 58 | Search for Substellar Mass Ultracompact Binaries in Advanced LIGO's Second Observing Run. <i>Physical Review Letters</i> , 2019, 123, 161102.   | 2.9 | 119       |
| 59 | Measurement of the neutrino velocity with the OPERA detector in the CNRS beam. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.   | 1.6 | 116       |
| 60 | 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       |
| 61 | Improved Analysis of GW150914 Using a Fully Spin-Precessing Waveform Model. <i>Physical Review X</i> , 2016, 6, .   | 2.8 | 106       |
| 62 | 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       |
| 63 | 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       |
| 64 | Effects of waveform model systematics on the interpretation of GW150914. <i>Classical and Quantum Gravity</i> , 2017, 34, 104002.   | 1.5 | 98        |
| 65 | 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        |
| 66 | 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        |
| 67 | 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        |
| 68 | Constraints on cosmic strings using data from the first Advanced LIGO observing run. <i>Physical Review D</i> , 2018, 97, .   | 1.6 | 88        |
| 69 | Searches for Gravitational Waves from Known Pulsars at Two Harmonics in 2015's 2017 LIGO Data. <i>Astrophysical Journal</i> , 2019, 879, 10.  | 1.6 | 88        |
| 70 | Constraints on Cosmic Strings Using Data from the Third Advanced LIGO's Virgo Observing Run. <i>Physical Review Letters</i> , 2021, 126, 241102.  | 2.9 | 87        |
| 71 | Improved Upper Limits on the Stochastic Gravitational-Wave Background from 2009's 2010 LIGO and Virgo Data. <i>Physical Review Letters</i> , 2014, 113, 231101.                           | 2.9 | 86        |
| 72 | Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background. <i>Physical Review Letters</i> , 2018, 120, 201102.                                  | 2.9 | 85        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 73 | Directional Limits on Persistent Gravitational Waves from Advanced LIGO's First Observing Run. Physical Review Letters, 2017, 118, 121102.  | 2.9 | 84        |
| 74 | Search for Substellar-Mass Ultracompact Binaries in Advanced LIGO's First Observing Run. Physical Review Letters, 2018, 121, 231103.  | 2.9 | 77        |
| 75 | Search for intermediate mass black hole binaries in the first observing run of Advanced LIGO. Physical Review D, 2017, 96, .  | 1.6 | 73        |
| 76 | On the Progenitor of Binary Neutron Star Merger GW170817. Astrophysical Journal Letters, 2017, 850, L40.  | 3.0 | 73        |
| 77 | Calibration of the Advanced LIGO detectors for the discovery of the binary black-hole merger GW150914. Physical Review D, 2017, 95, .   | 1.6 | 72        |
| 78 | 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.                             | 1.6 | 72        |
| 79 | Low-latency Gravitational-wave Alerts for Multimessenger Astronomy during the Second Advanced LIGO and Virgo Observing Run. Astrophysical Journal, 2019, 875, 161.                                    | 1.6 | 71        |
| 80 | All-sky search for short gravitational-wave bursts in the first Advanced LIGO run. Physical Review D, 2017, 95, .   | 1.6 | 69        |
| 81 | The basic physics of the binary black hole merger GW150914. Annalen Der Physik, 2017, 529, 1600209.   | 0.9 | 69        |
| 82 | 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, . | 1.6 | 69        |
| 83 | First Search for Nontensorial Gravitational Waves from Known Pulsars. Physical Review Letters, 2018, 120, 031104.   | 2.9 | 68        |
| 84 | SEARCHES FOR CONTINUOUS GRAVITATIONAL WAVES FROM NINE YOUNG SUPERNOVA REMNANTS. Astrophysical Journal, 2015, 813, 39.   | 1.6 | 66        |
| 85 | Gravitational-wave Constraints on the Equatorial Ellipticity of Millisecond Pulsars. Astrophysical Journal Letters, 2020, 902, L21.   | 3.0 | 65        |
| 86 | Momentum measurement by the multiple Coulomb scattering method in the OPERA lead-emulsion target. New Journal of Physics, 2012, 14, 013026.   | 1.2 | 64        |
| 87 | All-sky search for periodic gravitational waves in the O1 LIGO data. Physical Review D, 2017, 96, .   | 1.6 | 64        |
| 88 | 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.     | 3.0 | 63        |
| 89 | Search for anisotropic gravitational-wave backgrounds using data from Advanced LIGO and Advanced Virgo's first three observing runs. Physical Review D, 2021, 104, .                                  | 1.6 | 62        |
| 90 | Searches for Continuous Gravitational Waves from 15 Supernova Remnants and Fomalhaut b with Advanced LIGO. Astrophysical Journal, 2019, 875, 122.   | 1.6 | 61        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 91  | First all-sky search for continuous gravitational waves from unknown sources in binary systems. <i>Physical Review D</i> , 2014, 90, .   | 1.6 | 60        |
| 92  | 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        |
| 93  | 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        |
| 94  | 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        |
| 95  | 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        |
| 96  | 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        |
| 97  | 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        |
| 98  | 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        |
| 99  | 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        |
| 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 | Proposed search for the detection of gravitational waves from eccentric binary black holes. <i>Physical Review D</i> , 2016, 93, .   | 1.6 | 47        |
| 102 | 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        |
| 103 | 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        |
| 104 | Full band all-sky search for periodic gravitational waves in the O1 LIGO data. <i>Physical Review D</i> , 2018, 97, .  | 1.6 | 46        |
| 105 | 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        |
| 106 | Validating gravitational-wave detections: The Advanced LIGO hardware injection system. <i>Physical Review D</i> , 2017, 95, .  | 1.6 | 45        |
| 107 | Study of neutrino interactions with the electronic detectors of the OPERA experiment. <i>New Journal of Physics</i> , 2011, 13, 053051.  | 1.2 | 44        |
| 108 | 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        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 109 | 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        |
| 110 | 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        |
| 111 | The detection of neutrino interactions in the emulsion/lead target of the OPERA experiment. <i>Journal of Instrumentation</i> , 2009, 4, P06020-P06020.  | 0.5 | 41        |
| 112 | Calibration of advanced Virgo and reconstruction of the gravitational wave signal $\langle \dot{h} \rangle$ ( $\langle \dot{t} \rangle$ ) Tj ETQq0 0 0 ggBT/Overlock 10 Tf                                 | 1.5 | 41        |
| 113 | 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        |
| 114 | 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        |
| 115 | coherent WaveBurst, a pipeline for unmodeled gravitational-wave data analysis. <i>SoftwareX</i> , 2021, 14, 100678.  | 1.2 | 37        |
| 116 | Constraining the $\langle \dot{p} \rangle$ $\langle \dot{g} \rangle$ -Mode Tidal Instability with GW170817. <i>Physical Review Letters</i> , 2019, 122, 061104.  | 2.9 | 36        |
| 117 | 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        |
| 118 | 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        |
| 119 | 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        |
| 120 | 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        |
| 121 | Search for Gravitational Waves Associated with $\dot{\Gamma}^3$ -ray Bursts Detected by the Interplanetary Network. <i>Physical Review Letters</i> , 2014, 113, 011102.                                    | 2.9 | 32        |
| 122 | First low frequency all-sky search for continuous gravitational wave signals. <i>Physical Review D</i> , 2016, 93, .   | 1.6 | 32        |
| 123 | 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        |
| 124 | Diving below the Spin-down Limit: Constraints on Gravitational Waves from the Energetic Young Pulsar PSR J0537-6910. <i>Astrophysical Journal Letters</i> , 2021, 913, L27.                                | 3.0 | 32        |
| 125 | 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        |
| 126 | Emulsion sheet doublets as interface trackers for the OPERA experiment. <i>Journal of Instrumentation</i> , 2008, 3, P07005-P07005.  | 0.5 | 30        |



| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 127 | Development of wavelength shifter coated reflectors for the ArDM argon dark matter detector. <i>Journal of Instrumentation</i> , 2009, 4, P06001-P06001.  | 0.5 | 30        |
| 128 | ArDM: a ton-scale LAr detector for direct Dark Matter searches. <i>Journal of Physics: Conference Series</i> , 2011, 308, 012006.   | 0.3 | 30        |
| 129 | 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        |
| 130 | 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        |
| 131 | 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        |
| 132 | All-sky search for long-duration gravitational wave transients with initial LIGO. <i>Physical Review D</i> , 2016, 93, .  | 1.6 | 29        |
| 133 | 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        |
| 134 | Search for gravitational wave ringdowns from perturbed intermediate mass black holes in LIGO-Virgo data from 2005â€“2010. <i>Physical Review D</i> , 2014, 89, .  | 1.6 | 28        |
| 135 | The Advanced Virgo detector. <i>Journal of Physics: Conference Series</i> , 2015, 610, 012014.  | 0.3 | 27        |
| 136 | Measurement of the atmospheric muon charge ratio with the OPERA detector. <i>European Physical Journal C</i> , 2010, 67, 25-37.   | 1.4 | 26        |
| 137 | Effects of breaking vibrational energy equipartition on measurements of temperature in macroscopic oscillators subject to heat flux. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2013, 2013, P12003. | 0.9 | 26        |
| 138 | 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        |
| 139 | Wider look at the gravitational-wave transients from GWTC-1 using an unmodeled reconstruction method. <i>Physical Review D</i> , 2019, 100, .   | 1.6 | 23        |
| 140 | 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        |
| 141 | Measurement of the neutrino velocity with the OPERA detector in the CNRS beam using the 2012 dedicated data. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.   | 1.6 | 21        |
| 142 | First results on light readout from the 1-ton ArDM liquid argon detector for dark matter searches. <i>Journal of Instrumentation</i> , 2010, 5, P11003-P11003.  | 0.5 | 20        |
| 143 | Search for Gravitational Waves Associated with Gamma-Ray Bursts Detected by Fermi and Swift during the LIGO's Virgo Run O3a. <i>Astrophysical Journal</i> , 2021, 915, 86.  | 1.6 | 20        |
| 144 | Search for continuous gravitational waves from neutron stars in globular cluster NGC 6544. <i>Physical Review D</i> , 2017, 95, .   | 1.6 | 19        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 145 | Observing an intermediate-mass black hole GW190521 with minimal assumptions. <i>Physical Review D</i> , 2021, 103, .   | 1.6 | 19        |
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