

Eric Chassande-Mottin

List of Publications by Year in descending order

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Version: 2024-02-01

287
papers

60,727
citations

4641

85
h-index

849

244
g-index

291
all docs

291
docs citations

291
times ranked

17542
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Search for intermediate-mass black hole binaries in the third observing run of Advanced LIGO and Advanced Virgo. <i>Astronomy and Astrophysics</i> , 2022, 659, A84. | 2.1 | 32 |
| 2 | Calibration of advanced Virgo and reconstruction of the detector strain $h(t)$ during the observing run O3. <i>Classical and Quantum Gravity</i> , 2022, 39, 045006. | 1.5 | 20 |
| 3 | Constraints on dark photon dark matter using data from LIGO's and Virgo's third observing run. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 27 |
| 4 | Search for Gravitational Waves Associated with Gamma-Ray Bursts Detected by Fermi and Swift during the LIGO-Virgo Run O3b. <i>Astrophysical Journal</i> , 2022, 928, 186. | 1.6 | 15 |
| 5 | First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. <i>Progress of Theoretical and Experimental Physics</i> , 2022, 2022, . | 1.8 | 20 |
| 6 | Search of the early O3 LIGO data for continuous gravitational waves from the Cassiopeia A and Vela Jr. supernova remnants. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 21 |
| 7 | All-sky, all-frequency directional search for persistent gravitational waves from Advanced LIGO's and Advanced Virgo's first three observing runs. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 18 |
| 8 | Narrowband Searches for Continuous and Long-duration Transient Gravitational Waves from Known Pulsars in the LIGO-Virgo Third Observing Run. <i>Astrophysical Journal</i> , 2022, 932, 133. | 1.6 | 33 |
| 9 | 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 |
| 10 | 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 |
| 11 | Progenitors of low-mass binary black-hole mergers in the isolated binary evolution scenario. <i>Astronomy and Astrophysics</i> , 2021, 649, A114. | 2.1 | 20 |
| 12 | 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 |
| 13 | Observation of Gravitational Waves from Two Neutron Star Black Hole Coalescences. <i>Astrophysical Journal Letters</i> , 2021, 915, L5. | 3.0 | 453 |
| 14 | 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 |
| 15 | Constraints on Cosmic Strings Using Data from the Third Advanced LIGO-Virgo Observing Run. <i>Physical Review Letters</i> , 2021, 126, 241102. | 2.9 | 87 |
| 16 | GWTC-2: Compact Binary Coalescences Observed by LIGO and Virgo during the First Half of the Third Observing Run. <i>Physical Review X</i> , 2021, 11, . | 2.8 | 1,097 |
| 17 | The potential role of binary neutron star merger afterglows in multimessenger cosmology. <i>Astronomy and Astrophysics</i> , 2021, 652, A1. | 2.1 | 10 |
| 18 | Upper limits on the isotropic gravitational-wave background from Advanced LIGO and Advanced Virgo's third observing run. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 192 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Search for anisotropic gravitational-wave backgrounds using data from Advanced LIGO and Advanced Virgo's first three observing runs. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 62 |
| 20 | 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 |
| 21 | On the importance of source population models for gravitational-wave cosmology. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 48 |
| 22 | All-sky search for continuous gravitational waves from isolated neutron stars in the early O3 LIGO data. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 42 |
| 23 | All-sky search for long-duration gravitational-wave bursts in the third Advanced LIGO and Advanced Virgo run. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 19 |
| 24 | All-sky search for short gravitational-wave bursts in the third Advanced LIGO and Advanced Virgo run. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 33 |
| 25 | Search for Lensing Signatures in the Gravitational-Wave Observations from the First Half of LIGO's Virgo's Third Observing Run. <i>Astrophysical Journal</i> , 2021, 923, 14. | 1.6 | 59 |
| 26 | The advanced Virgo longitudinal control system for the O2 observing run. <i>Astroparticle Physics</i> , 2020, 116, 102386. | 1.9 | 9 |
| 27 | 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 |
| 28 | 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 |
| 29 | GW190521: A Binary Black Hole Merger with a Total Mass of $150 M_{\odot}$. <i>Physical Review Letters</i> , 2020, 125, 101102. | 2.9 | 35 |
| 30 | 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 |
| 31 | GW190412: Observation of a binary-black-hole coalescence with asymmetric masses. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 394 |
| 32 | 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. | 3.0 | 1,090 |
| 33 | GW190425: Observation of a Compact Binary Coalescence with Total Mass $3.4 M_{\odot}$. <i>Astrophysical Journal Letters</i> , 2020, 892, L3. | 3.0 | 1,049 |
| 34 | 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 |
| 35 | 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 |
| 36 | Advanced Virgo Status. <i>Journal of Physics: Conference Series</i> , 2020, 1342, 012010. | 0.3 | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | 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 |
| 38 | 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 |
| 39 | Gravitational-wave Constraints on the Equatorial Ellipticity of Millisecond Pulsars. <i>Astrophysical Journal Letters</i> , 2020, 902, L21. | 3.0 | 65 |
| 40 | 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 |
| 41 | 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 |
| 42 | 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 |
| 43 | 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 |
| 44 | Tests of General Relativity with GW170817. <i>Physical Review Letters</i> , 2019, 123, 011102. | 2.9 | 370 |
| 45 | 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 |
| 46 | 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 |
| 47 | Search for Substellar Mass Ultracompact Binaries in Advanced LIGO's Second Observing Run. <i>Physical Review Letters</i> , 2019, 123, 161102. | 2.9 | 119 |
| 48 | 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 |
| 49 | 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 |
| 50 | GWTC-1: A Gravitational-Wave Transient Catalog of Compact Binary Mergers Observed by LIGO and Virgo during the First and Second Observing Runs. <i>Physical Review X</i> , 2019, 9, . | 2.8 | 2,022 |
| 51 | 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 |
| 52 | 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 |
| 53 | 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 |
| 54 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | 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 |
| 56 | 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 |
| 57 | 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 |
| 58 | 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 |
| 59 | Constraining the p -Mode Tidal Instability with GW170817. <i>Physical Review Letters</i> , 2019, 122, 061104. | 2.9 | 36 |
| 60 | Compact radio emission indicates a structured jet was produced by a binary neutron star merger. <i>Science</i> , 2019, 363, 968-971. | 6.0 | 272 |
| 61 | Astrophysical signal consistency test adapted for gravitational-wave transient searches. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 6 |
| 62 | Gravitational wave observations, distance measurement uncertainties, and cosmology. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 17 |
| 63 | 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 |
| 64 | 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 |
| 65 | 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 |
| 66 | 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 |
| 67 | Properties of the Binary Neutron Star Merger GW170817. <i>Physical Review X</i> , 2019, 9, . | 2.8 | 728 |
| 68 | 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 |
| 69 | GW170817: Implications for the Stochastic Gravitational-Wave Background from Compact Binary Coalescences. <i>Physical Review Letters</i> , 2018, 120, 091101. | 2.9 | 166 |
| 70 | 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 |
| 71 | First Search for Nontensorial Gravitational Waves from Known Pulsars. <i>Physical Review Letters</i> , 2018, 120, 031104. | 2.9 | 68 |
| 72 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Non-parametric characterization of gravitational-wave polarizations. , 2018, , . | | 4 |
| 74 | Structured sparsity regularization for gravitational- wave polarization reconstruction. , 2018, , . | | 2 |
| 75 | Earthquake Early Warning Using Future Generation Gravity Strainmeters. Journal of Geophysical Research: Solid Earth, 2018, 123, 10,889. | 1.4 | 19 |
| 76 | Search for Substellar-Mass Ultracompact Binaries in Advanced LIGO's First Observing Run. Physical Review Letters, 2018, 121, 231103. | 2.9 | 77 |
| 77 | Driving unmodeled gravitational-wave transient searches using astrophysical information. Physical Review D, 2018, 98, . | 1.6 | 4 |
| 78 | GW170817: Measurements of Neutron Star Radii and Equation of State. Physical Review Letters, 2018, 121, 161101. | 2.9 | 1,473 |
| 79 | Calibration of advanced Virgo and reconstruction of the gravitational wave signal $h(t)$ (t) Tj ETQq1 1 0.784314 rgBT /Over | 1.5 | 41 |
| 80 | Status of Advanced Virgo. EPJ Web of Conferences, 2018, 182, 02003. | 0.1 | 9 |
| 81 | The evolution of the X-ray afterglow emission of GW 170817/ GRB 170817A in XMM-Newton observations. Astronomy and Astrophysics, 2018, 613, L1. | 2.1 | 150 |
| 82 | Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background. Physical Review Letters, 2018, 120, 201102. | 2.9 | 85 |
| 83 | Full band all-sky search for periodic gravitational waves in the O1 LIGO data. Physical Review D, 2018, 97, . | 1.6 | 46 |
| 84 | Constraints on cosmic strings using data from the first Advanced LIGO observing run. Physical Review D, 2018, 97, . | 1.6 | 88 |
| 85 | Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. , 2018, 21, 1. | | 2 |
| 86 | All-sky search for short gravitational-wave bursts in the first Advanced LIGO run. Physical Review D, 2017, 95, . | 1.6 | 69 |
| 87 | Effects of waveform model systematics on the interpretation of GW150914. Classical and Quantum Gravity, 2017, 34, 104002. | 1.5 | 98 |
| 88 | Upper Limits on the Stochastic Gravitational-Wave Background from Advanced LIGO's First Observing Run. Physical Review Letters, 2017, 118, 121101. | 2.9 | 194 |
| 89 | Directional Limits on Persistent Gravitational Waves from Advanced LIGO's First Observing Run. Physical Review Letters, 2017, 118, 121102. | 2.9 | 84 |
| 90 | First Search for Gravitational Waves from Known Pulsars with Advanced LIGO. Astrophysical Journal, 2017, 839, 12. | 1.6 | 131 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 91 | The basic physics of the binary black hole merger GW150914. <i>Annalen Der Physik</i> , 2017, 529, 1600209. | 0.9 | 69 |
| 92 | GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence. <i>Physical Review Letters</i> , 2017, 119, 141101. | 2.9 | 1,600 |
| 93 | 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 |
| 94 | Spectroscopic identification of r-process nucleosynthesis in a double neutron-star merger. <i>Nature</i> , 2017, 551, 67-70. | 13.7 | 715 |
| 95 | GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. <i>Physical Review Letters</i> , 2017, 119, 161101. | 2.9 | 6,413 |
| 96 | Multi-messenger Observations of a Binary Neutron Star Merger [*] . <i>Astrophysical Journal Letters</i> , 2017, 848, L12. | 3.0 | 2,805 |
| 97 | Gravitational Waves and Gamma-Rays from a Binary Neutron Star Merger: GW170817 and GRB 170817A. <i>Astrophysical Journal Letters</i> , 2017, 848, L13. | 3.0 | 2,314 |
| 98 | 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 |
| 99 | Where and When: Optimal Scheduling of the Electromagnetic Follow-up of Gravitational-wave Events Based on Counterpart Light-curve Models. <i>Astrophysical Journal</i> , 2017, 846, 62. | 1.6 | 28 |
| 100 | All-sky search for periodic gravitational waves in the O1 LIGO data. <i>Physical Review D</i> , 2017, 96, . | 1.6 | 64 |
| 101 | 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 |
| 102 | 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 |
| 103 | Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated with GW170817. <i>Astrophysical Journal Letters</i> , 2017, 850, L39. | 3.0 | 156 |
| 104 | GW170104: Observation of a 50-Solar-Mass Binary Black Hole Coalescence at Redshift 0.2. <i>Physical Review Letters</i> , 2017, 118, 221101. | 2.9 | 1,987 |
| 105 | Search for continuous gravitational waves from neutron stars in globular cluster NGC 6544. <i>Physical Review D</i> , 2017, 95, . | 1.6 | 19 |
| 106 | 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 |
| 107 | Status of the Advanced Virgo gravitational wave detector. <i>International Journal of Modern Physics A</i> , 2017, 32, 1744003. | 0.5 | 6 |
| 108 | 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 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | 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 |
| 110 | On the Progenitor of Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , 2017, 850, L40. | 3.0 | 73 |
| 111 | GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. <i>Astrophysical Journal Letters</i> , 2017, 851, L35. | 3.0 | 968 |
| 112 | Advanced Virgo Status. , 2017, , . | | 0 |
| 113 | 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 |
| 114 | SUPPLEMENT: “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 |
| 115 | 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 |
| 116 | Improved Analysis of GW150914 Using a Fully Spin-Precessing Waveform Model. <i>Physical Review X</i> , 2016, 6, . | 2.8 | 106 |
| 117 | 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 |
| 118 | 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 |
| 119 | LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. <i>Astrophysical Journal Letters</i> , 2016, 826, L13. | 3.0 | 210 |
| 120 | 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 |
| 121 | Prompt gravity signal induced by the 2011 Tohoku-Oki earthquake. <i>Nature Communications</i> , 2016, 7, 13349. | 5.8 | 61 |
| 122 | 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 |
| 123 | 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 |
| 124 | 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 |
| 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 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 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | First low frequency all-sky search for continuous gravitational wave signals. Physical Review D, 2016, 93, . | 1.6 | 32 |
| 128 | GW150914: First results from the search for binary black hole coalescence with Advanced LIGO. Physical Review D, 2016, 93, . | 1.6 | 315 |
| 129 | Search for transient gravitational waves in coincidence with short-duration radio transients during 2007â€“2013. Physical Review D, 2016, 93, . | 1.6 | 14 |
| 130 | GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes. Physical Review Letters, 2016, 116, 131102. | 2.9 | 269 |
| 131 | GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. Physical Review Letters, 2016, 116, 131103. | 2.9 | 466 |
| 132 | SUPPLEMENT: â€œLOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914â€•(2016, ApJL, 826, L13). Astrophysical Journal, Supplement Series, 2016, 225, 8. | 3.0 | 44 |
| 133 | Observing gravitational-wave transient GW150914 with minimal assumptions. Physical Review D, 2016, 93, . | 1.6 | 119 |
| 134 | Tests of General Relativity with GW150914. Physical Review Letters, 2016, 116, 221101. | 2.9 | 1,224 |
| 135 | Properties of the Binary Black Hole Merger GW150914. Physical Review Letters, 2016, 116, 241102. | 2.9 | 673 |
| 136 | GW151226: Observation of Gravitational Waves from a 22-Solar-Mass Binary Black Hole Coalescence. Physical Review Letters, 2016, 116, 241103. | 2.9 | 2,701 |
| 137 | Binary Black Hole Mergers in the First Advanced LIGO Observing Run. Physical Review X, 2016, 6, . | 2.8 | 898 |
| 138 | ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. Astrophysical Journal Letters, 2016, 818, L22. | 3.0 | 633 |
| 139 | Observation of Gravitational Waves from a Binary Black Hole Merger. Physical Review Letters, 2016, 116, 061102. | 2.9 | 8,753 |
| 140 | Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. , 2016, 19, 1. | | 1 |
| 141 | Narrow-band search of continuous gravitational-wave signals from Crab and Vela pulsars in Virgo VSR4 data. Physical Review D, 2015, 91, . | 1.6 | 37 |
| 142 | Searching for stochastic gravitational waves using data from the two colocated LIGO Hanford detectors. Physical Review D, 2015, 91, . | 1.6 | 39 |
| 143 | NenUFAR: Instrument description and science case. , 2015, , . | | 18 |
| 144 | Directed search for gravitational waves from Scorpius X-1 with initial LIGO data. Physical Review D, 2015, 91, . | 1.6 | 47 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 145 | Characterization of the LIGO detectors during their sixth science run. <i>Classical and Quantum Gravity</i> , 2015, 32, 115012. | 1.5 | 1,029 |
| 146 | The Advanced Virgo detector. <i>Journal of Physics: Conference Series</i> , 2015, 610, 012014. | 0.3 | 27 |
| 147 | Transient gravity perturbations induced by earthquake rupture. <i>Geophysical Journal International</i> , 2015, 201, 1416-1425. | 1.0 | 47 |
| 148 | SEARCHES FOR CONTINUOUS GRAVITATIONAL WAVES FROM NINE YOUNG SUPERNOVA REMNANTS. <i>Astrophysical Journal</i> , 2015, 813, 39. | 1.6 | 66 |
| 149 | Reconstruction of the gravitational wave signal $h(t)$ during the Virgo science runs and independent validation with a photon calibrator. <i>Classical and Quantum Gravity</i> , 2014, 31, 165013. | 1.5 | 10 |
| 150 | FIRST SEARCHES FOR OPTICAL COUNTERPARTS TO GRAVITATIONAL-WAVE CANDIDATE EVENTS. <i>Astrophysical Journal, Supplement Series</i> , 2014, 211, 7. | 3.0 | 57 |
| 151 | First all-sky search for continuous gravitational waves from unknown sources in binary systems. <i>Physical Review D</i> , 2014, 90, . | 1.6 | 60 |
| 152 | Constraints on Cosmic Strings from the LIGO-Virgo Gravitational-Wave Detectors. <i>Physical Review Letters</i> , 2014, 112, 131101. | 2.9 | 68 |
| 153 | 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 |
| 154 | GRAVITATIONAL WAVES FROM KNOWN PULSARS: RESULTS FROM THE INITIAL DETECTOR ERA. <i>Astrophysical Journal</i> , 2014, 785, 119. | 1.6 | 125 |
| 155 | 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 |
| 156 | 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 |
| 157 | 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 |
| 158 | Search for Gravitational Waves Associated with γ -ray Bursts Detected by the Interplanetary Network. <i>Physical Review Letters</i> , 2014, 113, 011102. | 2.9 | 32 |
| 159 | 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 |
| 160 | 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 |
| 161 | <i>Colloquium</i> : Multimessenger astronomy with gravitational waves and high-energy neutrinos. <i>Reviews of Modern Physics</i> , 2013, 85, 1401-1420. | 16.4 | 76 |
| 162 | Search for gravitational waves from binary black hole inspiral, merger, and ringdown in LIGO-Virgo data from 2009–2010. <i>Physical Review D</i> , 2013, 87, . | 1.6 | 92 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 163 | Search for long-lived gravitational-wave transients coincident with long gamma-ray bursts. <i>Physical Review D</i> , 2013, 88, . | 1.6 | 31 |
| 164 | Data analysis challenges in transient gravitational-wave astronomy. , 2013, , . | | 1 |
| 165 | Central heating radius of curvature correction (CHRoCC) for use in large scale gravitational wave interferometers. <i>Classical and Quantum Gravity</i> , 2013, 30, 055017. | 1.5 | 11 |
| 166 | Einstein@Home all-sky search for periodic gravitational waves in LIGO S5 data. <i>Physical Review D</i> , 2013, 87, . | 1.6 | 91 |
| 167 | Parameter estimation for compact binary coalescence signals with the first generation gravitational-wave detector network. <i>Physical Review D</i> , 2013, 88, . | 1.6 | 132 |
| 168 | Directed search for continuous gravitational waves from the Galactic center. <i>Physical Review D</i> , 2013, 88, . | 1.6 | 65 |
| 169 | Characterization of the Virgo seismic environment. <i>Classical and Quantum Gravity</i> , 2012, 29, 025005. | 1.5 | 5 |
| 170 | SWIFT FOLLOW-UP OBSERVATIONS OF CANDIDATE GRAVITATIONAL-WAVE TRANSIENT EVENTS. <i>Astrophysical Journal, Supplement Series</i> , 2012, 203, 28. | 3.0 | 62 |
| 171 | The characterization of Virgo data and its impact on gravitational-wave searches. <i>Classical and Quantum Gravity</i> , 2012, 29, 155002. | 1.5 | 73 |
| 172 | Status of the commissioning of the Virgo interferometer. , 2012, , . | | 1 |
| 173 | Publisher's Note: All-sky search for gravitational-wave bursts in the first joint LIGO-GEO-Virgo run [<i>Phys. Rev. D</i> 81 (2010)]. <i>Physical Review D</i> , 2012, 85, . | 1.6 | 3 |
| 174 | Multimessenger science reach and analysis method for common sources of gravitational waves and high-energy neutrinos. <i>Physical Review D</i> , 2012, 85, . | 1.6 | 32 |
| 175 | Making reassignment adjustable: The Levenberg-Marquardt approach. , 2012, , . | | 24 |
| 176 | Multimessenger Sources of Gravitational Waves and High-energy Neutrinos: Science Reach and Analysis Method. <i>Journal of Physics: Conference Series</i> , 2012, 363, 012022. | 0.3 | 3 |
| 177 | Noise monitor tools and their application to Virgo data. <i>Journal of Physics: Conference Series</i> , 2012, 363, 012024. | 0.3 | 2 |
| 178 | First low-latency LIGO+Virgo search for binary inspirals and their electromagnetic counterparts. <i>Astronomy and Astrophysics</i> , 2012, 541, A155. | 2.1 | 75 |
| 179 | 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. | 1.6 | 104 |
| 180 | Performance of a Chirplet-based analysis for gravitational-waves from binary black-hole mergers. <i>Journal of Physics: Conference Series</i> , 2012, 363, 012031. | 0.3 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 181 | The NoEMi (Noise Frequency Event Miner) framework. Journal of Physics: Conference Series, 2012, 363, 012037. | 0.3 | 12 |
| 182 | All-sky search for gravitational-wave bursts in the second joint LIGO-Virgo run. Physical Review D, 2012, 85, . | 1.6 | 107 |
| 183 | Search for gravitational waves from intermediate mass binary black holes. Physical Review D, 2012, 85, . | 1.6 | 48 |
| 184 | Upper limits on a stochastic gravitational-wave background using LIGO and Virgo interferometers at 600â€“1000ÂHz. Physical Review D, 2012, 85, . | 1.6 | 43 |
| 185 | Search for gravitational waves from low mass compact binary coalescence in LIGOâ€™s sixth science run and Virgoâ€™s science runs 2 and 3. Physical Review D, 2012, 85, . | 1.6 | 185 |
| 186 | All-sky search for periodic gravitational waves in the full S5 LIGO data. Physical Review D, 2012, 85, . | 1.6 | 66 |
| 187 | Publisherâ€™s Note: Search for gravitational waves from binary black hole inspiral, merger, and ringdown [Phys. Rev. D83, 122005 (2011)]. Physical Review D, 2012, 85, . | 1.6 | 0 |
| 188 | Publisherâ€™s Note: Search for gravitational waves from compact binary coalescence in LIGO and Virgo data from S5 and VSR1 [Phys. Rev. D82, 102001 (2010)]. Physical Review D, 2012, 85, . | 1.6 | 2 |
| 189 | On Phase-Magnitude Relationships in the Short-Time Fourier Transform. IEEE Signal Processing Letters, 2012, 19, 267-270. | 2.1 | 110 |
| 190 | Virgo: a laser interferometer to detect gravitational waves. Journal of Instrumentation, 2012, 7, P03012-P03012. | 0.5 | 257 |
| 191 | Scientific objectives of Einstein Telescope. Classical and Quantum Gravity, 2012, 29, 124013. | 1.5 | 355 |
| 192 | Implementation and testing of the first prompt search for gravitational wave transients with electromagnetic counterparts. Astronomy and Astrophysics, 2012, 539, A124. | 2.1 | 84 |
| 193 | Search for gravitational waves from binary black hole inspiral, merger, and ringdown. Physical Review D, 2011, 83, . | 1.6 | 85 |
| 194 | THE VIRGO INTERFEROMETER FOR GRAVITATIONAL WAVE DETECTION. International Journal of Modern Physics D, 2011, 20, 2075-2079. | 0.9 | 4 |
| 195 | The Seismic Superattenuators of the Virgo Gravitational Waves Interferometer. Journal of Low Frequency Noise Vibration and Active Control, 2011, 30, 63-79. | 1.3 | 28 |
| 196 | SEARCH FOR GRAVITATIONAL WAVE BURSTS FROM SIX MAGNETARS. Astrophysical Journal Letters, 2011, 734, L35. | 3.0 | 55 |
| 197 | BEATING THE SPIN-DOWN LIMIT ON GRAVITATIONAL WAVE EMISSION FROM THE VELA PULSAR. Astrophysical Journal, 2011, 737, 93. | 1.6 | 89 |
| 198 | Multimessenger astronomy with the Einstein Telescope. General Relativity and Gravitation, 2011, 43, 437-464. | 0.7 | 27 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 199 | Automatic Alignment system during the second science run of the Virgo interferometer. <i>Astroparticle Physics</i> , 2011, 34, 327-332. | 1.9 | 6 |
| 200 | Performance of the Virgo interferometer longitudinal control system during the second science run. <i>Astroparticle Physics</i> , 2011, 34, 521-527. | 1.9 | 13 |
| 201 | Bounding the time delay between high-energy neutrinos and gravitational-wave transients from gamma-ray bursts. <i>Astroparticle Physics</i> , 2011, 35, 1-7. | 1.9 | 69 |
| 202 | A state observer for the Virgo inverted pendulum. <i>Review of Scientific Instruments</i> , 2011, 82, 094502. | 0.6 | 8 |
| 203 | Directional Limits on Persistent Gravitational Waves Using LIGO S5 Science Data. <i>Physical Review Letters</i> , 2011, 107, 271102. | 2.9 | 94 |
| 204 | Joint searches for gravitational waves and high-energy neutrinos. <i>Journal of Physics: Conference Series</i> , 2010, 243, 012002. | 0.3 | 7 |
| 205 | Tools for noise characterization in Virgo. <i>Journal of Physics: Conference Series</i> , 2010, 243, 012004. | 0.3 | 0 |
| 206 | Virgo calibration and reconstruction of the gravitational wave strain during VSR1. <i>Journal of Physics: Conference Series</i> , 2010, 228, 012015. | 0.3 | 8 |
| 207 | Status and perspectives of the Virgo gravitational wave detector. <i>Journal of Physics: Conference Series</i> , 2010, 203, 012074. | 0.3 | 29 |
| 208 | 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. | 1.6 | 60 |
| 209 | Measurements of Superattenuator seismic isolation by Virgo interferometer. <i>Astroparticle Physics</i> , 2010, 33, 182-189. | 1.9 | 62 |
| 210 | Automatic Alignment for the first science run of the Virgo interferometer. <i>Astroparticle Physics</i> , 2010, 33, 131-139. | 1.9 | 11 |
| 211 | SEARCHES FOR GRAVITATIONAL WAVES FROM KNOWN PULSARS WITH SCIENCE RUN 5 LIGO DATA. <i>Astrophysical Journal</i> , 2010, 713, 671-685. | 1.6 | 155 |
| 212 | Search for gravitational waves from compact binary coalescence in LIGO and Virgo data from S5 and VSR1. <i>Physical Review D</i> , 2010, 82, . | 1.6 | 111 |
| 213 | In-vacuum Faraday isolation remote tuning. <i>Applied Optics</i> , 2010, 49, 4780. | 2.1 | 8 |
| 214 | All-sky search for gravitational-wave bursts in the first joint LIGO-GEO-Virgo run. <i>Physical Review D</i> , 2010, 81, . | 1.6 | 107 |
| 215 | 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. | 1.6 | 90 |
| 216 | Control of the laser frequency of the Virgo gravitational wave interferometer with an in-loop relative frequency stability of $1.0 \text{ \AA} - 10 \text{ \AA}^{-21}$ on a 100 ms time scale. , 2009, , . | | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 217 | Laser with an in-loop relative frequency stability of 1.0×10^{-8} a 100-ms time scale for gravitational-wave detection. <i>Physical Review A</i> , 2009, 79, . | 1.0 | 8 |
| 218 | JOINT SEARCHES BETWEEN GRAVITATIONAL-WAVE INTERFEROMETERS AND HIGH-ENERGY NEUTRINO TELESCOPES: SCIENCE REACH AND ANALYSIS STRATEGIES. <i>International Journal of Modern Physics D</i> , 2009, 18, 1655-1659. | 0.9 | 23 |
| 219 | Gravitational wave burst search in the Virgo C7 data. <i>Classical and Quantum Gravity</i> , 2009, 26, 085009. | 1.5 | 16 |
| 220 | An upper limit on the stochastic gravitational-wave background of cosmological origin. <i>Nature</i> , 2009, 460, 990-994. | 13.7 | 303 |
| 221 | Lock acquisition of the Virgo gravitational wave detector. <i>Astroparticle Physics</i> , 2008, 30, 29-38. | 1.9 | 16 |
| 222 | In-vacuum optical isolation changes by heating in a Faraday isolator. <i>Applied Optics</i> , 2008, 47, 5853. | 2.1 | 13 |
| 223 | Best network chirplet chain: Near-optimal coherent detection of unmodeled gravitational wave chirps with a network of detectors. <i>Physical Review D</i> , 2008, 77, . | 1.6 | 10 |
| 224 | The Real-Time Distributed Control of the Virgo Interferometric Detector of Gravitational Waves. <i>IEEE Transactions on Nuclear Science</i> , 2008, 55, 302-310. | 1.2 | 7 |
| 225 | First joint gravitational wave search by the AURIGA“EXPLORER”NAUTILUS“Virgo Collaboration. <i>Classical and Quantum Gravity</i> , 2008, 25, 205007. | 1.5 | 13 |
| 226 | The Virgo 3 km interferometer for gravitational wave detection. <i>Journal of Optics</i> , 2008, 10, 064009. | 1.5 | 31 |
| 227 | A cross-correlation method to search for gravitational wave bursts with AURIGA and Virgo. <i>Classical and Quantum Gravity</i> , 2008, 25, 114046. | 1.5 | 0 |
| 228 | Search for gravitational waves associated with GRB 050915a using the Virgo detector. <i>Classical and Quantum Gravity</i> , 2008, 25, 225001. | 1.5 | 28 |
| 229 | Status of Virgo. <i>Classical and Quantum Gravity</i> , 2008, 25, 114045. | 1.5 | 148 |
| 230 | Virgo status. <i>Classical and Quantum Gravity</i> , 2008, 25, 184001. | 1.5 | 116 |
| 231 | Noise studies during the first Virgo science run and after. <i>Classical and Quantum Gravity</i> , 2008, 25, 184003. | 1.5 | 8 |
| 232 | Data Acquisition System of the Virgo Gravitational Waves Interferometric Detector. <i>IEEE Transactions on Nuclear Science</i> , 2008, 55, 225-232. | 1.2 | 5 |
| 233 | Improving the timing precision for inspiral signals found by interferometric gravitational wave detectors. <i>Classical and Quantum Gravity</i> , 2007, 24, S617-S625. | 1.5 | 10 |
| 234 | Gravitational waves by gamma-ray bursts and the Virgo detector: the case of GRB 050915a. <i>Classical and Quantum Gravity</i> , 2007, 24, S671-S679. | 1.5 | 19 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 235 | Coincidence analysis between periodic source candidates in C6 and C7 Virgo data. Classical and Quantum Gravity, 2007, 24, S491-S499. | 1.5 | 13 |
| 236 | Analysis of noise lines in the Virgo C7 data. Classical and Quantum Gravity, 2007, 24, S433-S443. | 1.5 | 9 |
| 237 | Data quality studies for burst analysis of Virgo data acquired during Weekly Science Runs. Classical and Quantum Gravity, 2007, 24, S415-S422. | 1.5 | 4 |
| 238 | Status of Virgo detector. Classical and Quantum Gravity, 2007, 24, S381-S388. | 1.5 | 56 |
| 239 | Status of coalescing binaries search activities in Virgo. Classical and Quantum Gravity, 2007, 24, 5767-5775. | 1.5 | 9 |
| 240 | Chains of chirplets for the detection of gravitational wave chirps. Proceedings of SPIE, 2007, , . | 0.8 | 0 |
| 241 | The Real-time Distributed Control of the Virgo Interferometric Detector of Gravitational Waves. , 2007, , . | | 1 |
| 242 | The Virgo interferometric gravitational antenna. Optics and Lasers in Engineering, 2007, 45, 478-487. | 2.0 | 7 |
| 243 | Virgo upgrade investigations. Journal of Physics: Conference Series, 2006, 32, 223-229. | 0.3 | 21 |
| 244 | A parallel in-time analysis system for Virgo.. Journal of Physics: Conference Series, 2006, 32, 35-43. | 0.3 | 0 |
| 245 | Environmental noise studies in Virgo. Journal of Physics: Conference Series, 2006, 32, 80-88. | 0.3 | 4 |
| 246 | Length Sensing and Control in the Virgo Gravitational Wave Interferometer. IEEE Transactions on Instrumentation and Measurement, 2006, 55, 1985-1995. | 2.4 | 5 |
| 247 | The status of coalescing binaries search code in Virgo, and the analysis of C5 data. Classical and Quantum Gravity, 2006, 23, S187-S196. | 1.5 | 7 |
| 248 | Normal/independent noise in VIRGO data. Classical and Quantum Gravity, 2006, 23, S829-S836. | 1.5 | 0 |
| 249 | The variable finesse locking technique. Classical and Quantum Gravity, 2006, 23, S85-S89. | 1.5 | 22 |
| 250 | The Virgo automatic alignment system. Classical and Quantum Gravity, 2006, 23, S91-S101. | 1.5 | 16 |
| 251 | The status of VIRGO. Classical and Quantum Gravity, 2006, 23, S63-S69. | 1.5 | 83 |
| 252 | Testing Virgo burst detection tools on commissioning run data. Classical and Quantum Gravity, 2006, 23, S197-S205. | 1.5 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 253 | The Virgo status. <i>Classical and Quantum Gravity</i> , 2006, 23, S635-S642. | 1.5 | 179 |
| 254 | Best chirplet chain: Near-optimal detection of gravitational wave chirps. <i>Physical Review D</i> , 2006, 73, . | 1.6 | 28 |
| 255 | Measurement of the seismic attenuation performance of the VIRGO Superattenuator. <i>Astroparticle Physics</i> , 2005, 23, 557-565. | 1.9 | 79 |
| 256 | A simple line detection algorithm applied to Virgo data. <i>Classical and Quantum Gravity</i> , 2005, 22, S1189-S1196. | 1.5 | 6 |
| 257 | A first study of environmental noise coupling to the Virgo interferometer. <i>Classical and Quantum Gravity</i> , 2005, 22, S1069-S1077. | 1.5 | 4 |
| 258 | Virgo status and commissioning results. <i>Classical and Quantum Gravity</i> , 2005, 22, S185-S191. | 1.5 | 2 |
| 259 | Status of Virgo. <i>Classical and Quantum Gravity</i> , 2005, 22, S869-S880. | 1.5 | 54 |
| 260 | NAP: a tool for noise data analysis. Application to Virgo engineering runs. <i>Classical and Quantum Gravity</i> , 2005, 22, S1041-S1049. | 1.5 | 7 |
| 261 | Testing the detection pipelines for inspirals with Virgo commissioning run C4 data. <i>Classical and Quantum Gravity</i> , 2005, 22, S1139-S1148. | 1.5 | 5 |
| 262 | Discrete time and frequency Wigner-Ville distribution: Moyal's formula and aliasing. <i>IEEE Signal Processing Letters</i> , 2005, 12, 508-511. | 2.1 | 32 |
| 263 | Search for inspiralling binary events in the Virgo Engineering Run data. <i>Classical and Quantum Gravity</i> , 2004, 21, S709-S716. | 1.5 | 13 |
| 264 | The VIRGO large mirrors: a challenge for low loss coatings. <i>Classical and Quantum Gravity</i> , 2004, 21, S935-S945. | 1.5 | 30 |
| 265 | Status of VIRGO. <i>Classical and Quantum Gravity</i> , 2004, 21, S385-S394. | 1.5 | 89 |
| 266 | Results of the Virgo central interferometer commissioning. <i>Classical and Quantum Gravity</i> , 2004, 21, S395-S402. | 1.5 | 5 |
| 267 | The last-stage suspension of the mirrors for the gravitational wave antenna Virgo. <i>Classical and Quantum Gravity</i> , 2004, 21, S425-S432. | 1.5 | 5 |
| 268 | Properties of seismic noise at the Virgo site. <i>Classical and Quantum Gravity</i> , 2004, 21, S433-S440. | 1.5 | 25 |
| 269 | A first test of a sine-Hough method for the detection of pulsars in binary systems using the E4 Virgo engineering run data. <i>Classical and Quantum Gravity</i> , 2004, 21, S717-S727. | 1.5 | 1 |
| 270 | First locking of the Virgo central area interferometer with suspension hierarchical control. <i>Astroparticle Physics</i> , 2004, 20, 629-640. | 1.9 | 19 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 271 | The commissioning of the central interferometer of the Virgo gravitational wave detector. <i>Astroparticle Physics</i> , 2004, 21, 1-22. | 1.9 | 22 |
| 272 | A local control system for the test masses of the Virgo gravitational wave detector. <i>Astroparticle Physics</i> , 2004, 20, 617-628. | 1.9 | 22 |
| 273 | Status of VIRGO. , 2004, 5500, 58. | | 2 |
| 274 | Low-loss coatings for the VIRGO large mirrors. , 2004, , . | | 14 |
| 275 | STATUS OF THE VIRGO EXPERIMENT. , 2004, , . | | 0 |
| 276 | Learning approach to the detection of gravitational wave transients. <i>Physical Review D</i> , 2003, 67, . | 1.6 | 6 |
| 277 | Data analysis methods for non-Gaussian, nonstationary and nonlinear features and their application to VIRGO. <i>Classical and Quantum Gravity</i> , 2003, 20, S915-S924. | 1.5 | 7 |
| 278 | Time-Frequency/Time-Scale Reassignment. , 2003, , 233-267. | | 18 |
| 279 | Adaptive filtering techniques for gravitational wave interferometric data: Removing long-term sinusoidal disturbances and oscillatory transients. <i>Physical Review D</i> , 2001, 63, . | 1.6 | 8 |
| 280 | ADAPTIVE FILTERING TECHNIQUES FOR INTERFEROMETRIC DATA PREPARATION: REMOVAL OF LONG-TERM SINUSOIDAL SIGNALS AND OSCILLATORY TRANSIENTS. <i>International Journal of Modern Physics D</i> , 2000, 09, 275-279. | 0.9 | 3 |
| 281 | On the Time-Frequency Detection of Chirps1. <i>Applied and Computational Harmonic Analysis</i> , 1999, 6, 252-281. | 1.1 | 84 |
| 282 | On the Statistics of Spectrogram Reassignment Vectors. <i>Multidimensional Systems and Signal Processing</i> , 1998, 9, 355-362. | 1.7 | 19 |
| 283 | Differential reassignment. <i>IEEE Signal Processing Letters</i> , 1997, 4, 293-294. | 2.1 | 139 |
| 284 | <title>Reassigned scalograms and their fast algorithms</title>. , 1995, 2569, 152. | | 5 |
| 285 | Supervised time-frequency reassignment. , 0, , . | | 8 |
| 286 | On the stationary phase approximation of chirp spectra. , 0, , . | | 9 |
| 287 | Estimating singularities with reassigned distributions. , 0, , . | | 0 |