

Francesco Fidecaro

List of Publications by Citations

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388
papers

40,134
citations

79
h-index

195
g-index

406
ext. papers

47,506
ext. citations

4.4
avg, IF

4.99
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 388 | Observation of Gravitational Waves from a Binary Black Hole Merger. <i>Physical Review Letters</i> , 2016 , 116, 061102 | 7.4 | 6108 |
| 387 | GW151226: Observation of Gravitational Waves from a 22-Solar-Mass Binary Black Hole Coalescence. <i>Physical Review Letters</i> , 2016 , 116, 241103 | 7.4 | 2136 |
| 386 | Gravitational Waves and Gamma-Rays from a Binary Neutron Star Merger: GW170817 and GRB 170817A. <i>Astrophysical Journal Letters</i> , 2017 , 848, L13 | 7.9 | 1614 |
| 385 | GW170104: Observation of a 50-Solar-Mass Binary Black Hole Coalescence at Redshift 0.2. <i>Physical Review Letters</i> , 2017 , 118, 221101 | 7.4 | 1609 |
| 384 | Advanced Virgo: a second-generation interferometric gravitational wave detector. <i>Classical and Quantum Gravity</i> , 2015 , 32, 024001 | 3.3 | 1567 |
| 383 | GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence. <i>Physical Review Letters</i> , 2017 , 119, 141101 | 7.4 | 1270 |
| 382 | Predictions for the rates of compact binary coalescences observable by ground-based gravitational-wave detectors. <i>Classical and Quantum Gravity</i> , 2010 , 27, 173001 | 3.3 | 869 |
| 381 | GW170817: Measurements of Neutron Star Radii and Equation of State. <i>Physical Review Letters</i> , 2018 , 121, 161101 | 7.4 | 867 |
| 380 | Tests of General Relativity with GW150914. <i>Physical Review Letters</i> , 2016 , 116, 221101 | 7.4 | 837 |
| 379 | GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. <i>Astrophysical Journal Letters</i> , 2017 , 851, L35 | 7.9 | 809 |
| 378 | Characterization of the LIGO detectors during their sixth science run. <i>Classical and Quantum Gravity</i> , 2015 , 32, 115012 | 3.3 | 790 |
| 377 | Precision electroweak measurements on the Z resonance. <i>Physics Reports</i> , 2006 , 427, 257-454 | 27.7 | 730 |
| 376 | Binary Black Hole Mergers in the First Advanced LIGO Observing Run. <i>Physical Review X</i> , 2016 , 6, | 9.1 | 723 |
| 375 | GW190425: Observation of a Compact Binary Coalescence with Total Mass $\sim 3.4 M_{\odot}$. <i>Astrophysical Journal Letters</i> , 2020 , 892, L3 | 7.9 | 591 |
| 374 | GW190814: Gravitational Waves from the Coalescence of a 23 Solar Mass Black Hole with a 2.6 Solar Mass Compact Object. <i>Astrophysical Journal Letters</i> , 2020 , 896, L44 | 7.9 | 571 |
| 373 | Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2018 , 21, 3 | 32.5 | 543 |
| 372 | Properties of the Binary Black Hole Merger GW150914. <i>Physical Review Letters</i> , 2016 , 116, 241102 | 7.4 | 515 |

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| 371 | ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. <i>Astrophysical Journal Letters</i> , 2016 , 818, L22 | 7.9 | 512 |
| 370 | A measurement of the space-like pion electromagnetic form factor. <i>Nuclear Physics B</i> , 1986 , 277, 168-196.8 | | 466 |
| 369 | GW190521: A Binary Black Hole Merger with a Total Mass of $150 M_{\odot}$. <i>Physical Review Letters</i> , 2020 , 125, 101102 | 7.4 | 420 |
| 368 | A gravitational-wave standard siren measurement of the Hubble constant. <i>Nature</i> , 2017 , 551, 85-88 | 50.4 | 413 |
| 367 | Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. <i>Living Reviews in Relativity</i> , 2016 , 19, 1 | 32.5 | 393 |
| 366 | 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 | 7.9 | 381 |
| 365 | ALEPH: A detector for electron-positron annihilations at LEP. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1990 , 294, 121-178 | 1.2 | 340 |
| 364 | GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. <i>Physical Review Letters</i> , 2016 , 116, 131103 | 7.4 | 328 |
| 363 | Electroweak measurements in electron-positron collisions at W-boson-pair energies at LEP. <i>Physics Reports</i> , 2013 , 532, 119-244 | 27.7 | 291 |
| 362 | An upper limit on the stochastic gravitational-wave background of cosmological origin. <i>Nature</i> , 2009 , 460, 990-4 | 50.4 | 267 |
| 361 | Scientific objectives of Einstein Telescope. <i>Classical and Quantum Gravity</i> , 2012 , 29, 124013 | 3.3 | 256 |
| 360 | Performance of the ALEPH detector at LEP. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1995 , 360, 481-506 | 1.2 | 256 |
| 359 | GW150914: First results from the search for binary black hole coalescence with Advanced LIGO. <i>Physical Review D</i> , 2016 , 93, | 4.9 | 253 |
| 358 | Determination of the number of light neutrino species. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1989 , 231, 519-529 | 4.2 | 223 |
| 357 | Virgo: a laser interferometer to detect gravitational waves. <i>Journal of Instrumentation</i> , 2012 , 7, P03012-P03012.12 | | |
| 356 | THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914. <i>Astrophysical Journal Letters</i> , 2016 , 833, L1 | 7.9 | 209 |
| 355 | Properties and Astrophysical Implications of the $150 M_{\odot}$ Binary Black Hole Merger GW190521. <i>Astrophysical Journal Letters</i> , 2020 , 900, L13 | 7.9 | 207 |
| 354 | A measurement of the kaon charge radius. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1986 , 178, 435-440 | 4.2 | 199 |

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| 353 | Population Properties of Compact Objects from the Second LIGO-Virgo Gravitational-Wave Transient Catalog. <i>Astrophysical Journal Letters</i> , 2021 , 913, L7 | 7.9 | 194 |
| 352 | GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes. <i>Physical Review Letters</i> , 2016 , 116, 131102 | 7.4 | 188 |
| 351 | LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. <i>Astrophysical Journal Letters</i> , 2016 , 826, L13 | 7.9 | 183 |
| 350 | Search for gravitational waves from low mass compact binary coalescence in LIGO's sixth science run and Virgo's science runs 2 and 3. <i>Physical Review D</i> , 2012 , 85, | 4.9 | 172 |
| 349 | The Virgo status. <i>Classical and Quantum Gravity</i> , 2006 , 23, S635-S642 | 3.3 | 166 |
| 348 | Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. <i>Classical and Quantum Gravity</i> , 2016 , 33, | 3.3 | 155 |
| 347 | The beam and detector for the NA48 neutral kaon CP violation experiment at CERN. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007 , 574, 433-471 | 1.2 | 147 |
| 346 | Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2020 , 23, 3 | 32.5 | 144 |
| 345 | SEARCHES FOR GRAVITATIONAL WAVES FROM KNOWN PULSARS WITH SCIENCE RUN 5 LIGO DATA. <i>Astrophysical Journal</i> , 2010 , 713, 671-685 | 4.7 | 140 |
| 344 | Status of the Virgo project. <i>Classical and Quantum Gravity</i> , 2011 , 28, 114002 | 3.3 | 140 |
| 343 | A precise measurement of π - η / η - η' hadrons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 313, 535-548 | 4.2 | 138 |
| 342 | Upper Limits on the Stochastic Gravitational-Wave Background from Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , 2017 , 118, 121101 | 7.4 | 137 |
| 341 | 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 | 7.4 | 134 |
| 340 | Search for Post-merger Gravitational Waves from the Remnant of the Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , 2017 , 851, L16 | 7.9 | 133 |
| 339 | 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 | 7.9 | 130 |
| 338 | Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated with GW170817. <i>Astrophysical Journal Letters</i> , 2017 , 850, L39 | 7.9 | 127 |
| 337 | A measurement of the pion charge radius. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1984 , 146, 116-120 | 4.2 | 123 |
| 336 | Parameter estimation for compact binary coalescence signals with the first generation gravitational-wave detector network. <i>Physical Review D</i> , 2013 , 88, | 4.9 | 122 |

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| 335 | Status of Virgo. <i>Classical and Quantum Gravity</i> , 2008 , 25, 114045 | 3.3 | 115 |
| 334 | Virgo status. <i>Classical and Quantum Gravity</i> , 2008 , 25, 184001 | 3.3 | 110 |
| 333 | GRAVITATIONAL WAVES FROM KNOWN PULSARS: RESULTS FROM THE INITIAL DETECTOR ERA. <i>Astrophysical Journal</i> , 2014 , 785, 119 | 4.7 | 109 |
| 332 | First Search for Gravitational Waves from Known Pulsars with Advanced LIGO. <i>Astrophysical Journal</i> , 2017 , 839, 12 | 4.7 | 107 |
| 331 | Search for gravitational waves from compact binary coalescence in LIGO and Virgo data from S5 and VSR1. <i>Physical Review D</i> , 2010 , 82, | 4.9 | 100 |
| 330 | Heavy flavour production in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 244, 551-565 | 4.2 | 99 |
| 329 | A precise determination of the number of families with light neutrinos and of the Z boson partial widths. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 235, 399-414 | 4.2 | 99 |
| 328 | All-sky search for gravitational-wave bursts in the second joint LIGO-Virgo run. <i>Physical Review D</i> , 2012 , 85, | 4.9 | 96 |
| 327 | Open data from the first and second observing runs of Advanced LIGO and Advanced Virgo. <i>SoftwareX</i> , 2021 , 13, 100658 | 2.7 | 96 |
| 326 | Observing gravitational-wave transient GW150914 with minimal assumptions. <i>Physical Review D</i> , 2016 , 93, | 4.9 | 94 |
| 325 | SEARCH FOR GRAVITATIONAL WAVES ASSOCIATED WITH GAMMA-RAY BURSTS DURING LIGO SCIENCE RUN 6 AND VIRGO SCIENCE RUNS 2 AND 3. <i>Astrophysical Journal</i> , 2012 , 760, 12 | 4.7 | 94 |
| 324 | 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. <i>Astrophysical Journal Letters</i> , 2019 , 876, L7 | 7.9 | 91 |
| 323 | 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, | 4.9 | 91 |
| 322 | Measurement of the pion form factor in the time-like region for q^2 values between 0.1 (GeV/c)^2 and 0.18 (GeV/c)^2 . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1984 , 138, 454-458 | 4.2 | 90 |
| 321 | Improved Analysis of GW150914 Using a Fully Spin-Precessing Waveform Model. <i>Physical Review X</i> , 2016 , 6, | 9.1 | 89 |
| 320 | Status of VIRGO. <i>Classical and Quantum Gravity</i> , 2004 , 21, S385-S394 | 3.3 | 87 |
| 319 | Search for the neutral Higgs boson from Z0 decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 236, 233-244 | 4.2 | 87 |
| 318 | Directional limits on persistent gravitational waves using LIGO S5 science data. <i>Physical Review Letters</i> , 2011 , 107, 271102 | 7.4 | 85 |

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| 3 ¹⁷ | Einstein@Home all-sky search for periodic gravitational waves in LIGO S5 data. <i>Physical Review D</i> , 2013 , 87, | 4.9 | 84 |
| 3 ¹⁶ | Calibration and sensitivity of the Virgo detector during its second science run. <i>Classical and Quantum Gravity</i> , 2011 , 28, 025005 | 3.3 | 83 |
| 3 ¹⁵ | All-sky search for gravitational-wave bursts in the first joint LIGO-GEO-Virgo run. <i>Physical Review D</i> , 2010 , 81, | 4.9 | 81 |
| 3 ¹⁴ | High-energy neutrino follow-up search of gravitational wave event GW150914 with ANTARES and IceCube. <i>Physical Review D</i> , 2016 , 93, | 4.9 | 80 |
| 3 ¹³ | Measurement of the VIRGO superattenuator performance for seismic noise suppression. <i>Review of Scientific Instruments</i> , 2001 , 72, 3643-3652 | 1.7 | 80 |
| 3 ¹² | The present status of the VIRGO Central Interferometer*. <i>Classical and Quantum Gravity</i> , 2002 , 19, 1421-1428 | 3.4 | 80 |
| 3 ¹¹ | Search for supersymmetric particles using acoplanar charged-particle pairs from Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 236, 86-94 | 4.2 | 80 |
| 3 ¹⁰ | SEARCH FOR GRAVITATIONAL-WAVE INSPIRAL SIGNALS ASSOCIATED WITH SHORT GAMMA-RAY BURSTS DURING LIGO'S FIFTH AND VIRGO'S FIRST SCIENCE RUN. <i>Astrophysical Journal</i> , 2010 , 715, 1453-1461 | 4.7 | 79 |
| 3 ⁰⁹ | The status of VIRGO. <i>Classical and Quantum Gravity</i> , 2006 , 23, S63-S69 | 3.3 | 79 |
| 3 ⁰⁸ | A Standard Siren Measurement of the Hubble Constant from GW170817 without the Electromagnetic Counterpart. <i>Astrophysical Journal Letters</i> , 2019 , 871, L13 | 7.9 | 77 |
| 3 ⁰⁷ | Search for gravitational waves from binary black hole inspiral, merger, and ringdown. <i>Physical Review D</i> , 2011 , 83, | 4.9 | 77 |
| 3 ⁰⁶ | Directly comparing GW150914 with numerical solutions of Einstein's equations for binary black hole coalescence. <i>Physical Review D</i> , 2016 , 94, | 4.9 | 76 |
| 3 ⁰⁵ | BEATING THE SPIN-DOWN LIMIT ON GRAVITATIONAL WAVE EMISSION FROM THE VELA PULSAR. <i>Astrophysical Journal</i> , 2011 , 737, 93 | 4.7 | 75 |
| 3 ⁰⁴ | Effects of waveform model systematics on the interpretation of GW150914. <i>Classical and Quantum Gravity</i> , 2017 , 34, 104002 | 3.3 | 74 |
| 3 ⁰³ | Improved upper limits on the stochastic gravitational-wave background from 2009-2010 LIGO and Virgo data. <i>Physical Review Letters</i> , 2014 , 113, 231101 | 7.4 | 74 |
| 3 ⁰² | Search for a non-minimal Higgs boson produced in the reaction $g\bar{g}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 313, 312-325 | 4.2 | 74 |
| 3 ⁰¹ | An inverted pendulum preisolator stage for the VIRGO suspension system. <i>Review of Scientific Instruments</i> , 1999 , 70, 2507-2515 | 1.7 | 73 |
| 3 ⁰⁰ | A search for new quarks and leptons from Z0 decay at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 236, 511-522 | 4.2 | 73 |

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| 299 | An upper limit for the τ neutrino mass from $\tau \rightarrow \mu \nu$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 349, 585-596 | 4.2 | 72 |
| 298 | Searches for the standard Higgs boson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 246, 306-314 | 4.2 | 72 |
| 297 | Search for the neutral Higgs Boson from Z0 decay in the Higgs mass range between 11 and 24 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 241, 141-149 | 4.2 | 72 |
| 296 | Implementation and testing of the first prompt search for gravitational wave transients with electromagnetic counterparts. <i>Astronomy and Astrophysics</i> , 2012 , 539, A124 | 5.1 | 71 |
| 295 | Measurement of the polarization of leptons produced in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 265, 430-444 | 4.2 | 70 |
| 294 | First low-latency LIGO+Virgo search for binary inspirals and their electromagnetic counterparts. <i>Astronomy and Astrophysics</i> , 2012 , 541, A155 | 5.1 | 69 |
| 293 | Measurement of the seismic attenuation performance of the VIRGO Superattenuator. <i>Astroparticle Physics</i> , 2005 , 23, 557-565 | 2.4 | 69 |
| 292 | Search for Subsolar Mass Ultracompact Binaries in Advanced LIGO's Second Observing Run. <i>Physical Review Letters</i> , 2019 , 123, 161102 | 7.4 | 68 |
| 291 | Improved measurements of electroweak parameters from Z decays into fermion pairs. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1992 , 53, 1-20 | | 67 |
| 290 | Directional Limits on Persistent Gravitational Waves from Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , 2017 , 118, 121102 | 7.4 | 65 |
| 289 | Searches for Gravitational Waves from Known Pulsars at Two Harmonics in 2015-2017 LIGO Data. <i>Astrophysical Journal</i> , 2019 , 879, 10 | 4.7 | 63 |
| 288 | Measurement of the charged particle multiplicity distribution in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 273, 181-192 | 4.2 | 62 |
| 287 | Properties of hadronic events in e^+e^- annihilation at. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 234, 209-218 | 4.2 | 62 |
| 286 | All-sky search for periodic gravitational waves in the full S5 LIGO data. <i>Physical Review D</i> , 2012 , 85, | 4.9 | 61 |
| 285 | Search for neutral Higgs bosons from supersymmetry in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 237, 291-302 | 4.2 | 61 |
| 284 | Search for Gravitational Waves from a Long-lived Remnant of the Binary Neutron Star Merger GW170817. <i>Astrophysical Journal</i> , 2019 , 875, 160 | 4.7 | 60 |
| 283 | Measurement of the strong coupling constant using τ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 307, 209-220 | 4.2 | 60 |
| 282 | Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background. <i>Physical Review Letters</i> , 2018 , 120, 201102 | 7.4 | 60 |

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| 281 | Constraints on cosmic strings from the LIGO-Virgo gravitational-wave detectors. <i>Physical Review Letters</i> , 2014 , 112, 131101 | 7.4 | 59 |
| 280 | The characterization of Virgo data and its impact on gravitational-wave searches. <i>Classical and Quantum Gravity</i> , 2012 , 29, 155002 | 3.3 | 59 |
| 279 | SEARCHES FOR CONTINUOUS GRAVITATIONAL WAVES FROM NINE YOUNG SUPERNOVA REMNANTS. <i>Astrophysical Journal</i> , 2015 , 813, 39 | 4.7 | 58 |
| 278 | Measurement of the branching ratio and an upper limit on. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 343, 444-452 | 4.2 | 58 |
| 277 | Directed search for continuous gravitational waves from the Galactic center. <i>Physical Review D</i> , 2013 , 88, | 4.9 | 57 |
| 276 | SWIFT FOLLOW-UP OBSERVATIONS OF CANDIDATE GRAVITATIONAL-WAVE TRANSIENT EVENTS. <i>Astrophysical Journal, Supplement Series</i> , 2012 , 203, 28 | 8 | 57 |
| 275 | Properties of hadronic Z decays and test of QCD generators. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1992 , 55, 209-234 | | 57 |
| 274 | Performance of the ALEPH Time Projection Chamber. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1991 , 306, 446-458 ^{1,2} | | 55 |
| 273 | All-sky search for short gravitational-wave bursts in the first Advanced LIGO run. <i>Physical Review D</i> , 2017 , 95, | 4.9 | 54 |
| 272 | First all-sky search for continuous gravitational waves from unknown sources in binary systems. <i>Physical Review D</i> , 2014 , 90, | 4.9 | 54 |
| 271 | SEARCH FOR GRAVITATIONAL-WAVE BURSTS ASSOCIATED WITH GAMMA-RAY BURSTS USING DATA FROM LIGO SCIENCE RUN 5 AND VIRGO SCIENCE RUN 1. <i>Astrophysical Journal</i> , 2010 , 715, 1438-1452 | 4.7 | 54 |
| 270 | Measurements of Superattenuator seismic isolation by Virgo interferometer. <i>Astroparticle Physics</i> , 2010 , 33, 182-189 | 2.4 | 54 |
| 269 | Measurement of β_s in hadronic Z decays using all-orders resummed predictions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 284, 163-176 | 4.2 | 53 |
| 268 | Status of Virgo. <i>Classical and Quantum Gravity</i> , 2005 , 22, S869-S880 | 3.3 | 52 |
| 267 | SUPPLEMENT: THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914 (2016, ApJL, 833, L1). <i>Astrophysical Journal, Supplement Series</i> , 2016 , 227, 14 | 8 | 52 |
| 266 | FIRST SEARCHES FOR OPTICAL COUNTERPARTS TO GRAVITATIONAL-WAVE CANDIDATE EVENTS. <i>Astrophysical Journal, Supplement Series</i> , 2014 , 211, 7 | 8 | 51 |
| 265 | Status of Virgo detector. <i>Classical and Quantum Gravity</i> , 2007 , 24, S381-S388 | 3.3 | 51 |
| 264 | On the Progenitor of Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , 2017 , 850, L40 | 7.9 | 50 |

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| 263 | Inertial control of the mirror suspensions of the VIRGO interferometer for gravitational wave detection. <i>Review of Scientific Instruments</i> , 2001 , 72, 3653-3661 | 1.7 | 50 |
| 262 | Search for the standard model Higgs boson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 313, 299-311 | 4.2 | 50 |
| 261 | Low-latency Gravitational-wave Alerts for Multimessenger Astronomy during the Second Advanced LIGO and Virgo Observing Run. <i>Astrophysical Journal</i> , 2019 , 875, 161 | 4.7 | 49 |
| 260 | Search for Substellar-Mass Ultracompact Binaries in Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , 2018 , 121, 231103 | 7.4 | 49 |
| 259 | SEARCH FOR GRAVITATIONAL WAVE BURSTS FROM SIX MAGNETARS. <i>Astrophysical Journal Letters</i> , 2011 , 734, L35 | 7.9 | 47 |
| 258 | The VIRGO interferometer for gravitational wave detection. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1997 , 54, 167-175 | | 47 |
| 257 | Search for gravitational waves from intermediate mass binary black holes. <i>Physical Review D</i> , 2012 , 85, | 4.9 | 46 |
| 256 | 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 | 4.7 | 46 |
| 255 | The basic physics of the binary black hole merger GW150914. <i>Annalen Der Physik</i> , 2017 , 529, 1600209 | 2.6 | 45 |
| 254 | Searches for Continuous Gravitational Waves from 15 Supernova Remnants and Fomalhaut b with Advanced LIGO. <i>Astrophysical Journal</i> , 2019 , 875, 122 | 4.7 | 45 |
| 253 | 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, | 4.9 | 43 |
| 252 | Extending the VIRGO gravitational wave detection band down to a few Hz: metal blade springs and magnetic antisprings. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1997 , 394, 397-408 | 1.2 | 43 |
| 251 | Measurement of Ξ s from the structure of particle clusters produced in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 257, 479-491 | 4.2 | 43 |
| 250 | Search for neutralino production in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 244, 541-550 | 4.2 | 43 |
| 249 | Search for Gravitational Waves Associated with Gamma-Ray Bursts during the First Advanced LIGO Observing Run and Implications for the Origin of GRB 150906B. <i>Astrophysical Journal</i> , 2017 , 841, 89 | 4.7 | 42 |
| 248 | Production and decay of charmed mesons at the Z resonance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 266, 218-230 | 4.2 | 42 |
| 247 | An experimental study of Ξ hadrons at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 313, 509-519 | 4.2 | 42 |
| 246 | An investigation of B_d0 and B_s0 oscillation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 322, 441-458 | 4.2 | 41 |

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| 227 | Measurement of charge asymmetry in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 259, 377-388 | 4.2 | 34 |
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