

## List of Publications by Citations

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|                    |                          |                |                 |
|--------------------|--------------------------|----------------|-----------------|
| 211<br>papers      | 36,024<br>citations      | 60<br>h-index  | 189<br>g-index  |
| 236<br>ext. papers | 43,383<br>ext. citations | 5.5<br>avg, IF | 6.01<br>L-index |

| #   | Paper  | IF   | Citations |
|-----|--|------|-----------|
| 211 | Observation of Gravitational Waves from a Binary Black Hole Merger. <i>Physical Review Letters</i> , <b>2016</b> , 116, 061102   | 7.4  | 6108      |
| 210 | GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. <i>Physical Review Letters</i> , <b>2017</b> , 119, 161101                                 | 7.4  | 4272      |
| 209 | GW151226: Observation of Gravitational Waves from a 22-Solar-Mass Binary Black Hole Coalescence. <i>Physical Review Letters</i> , <b>2016</b> , 116, 241103                  | 7.4  | 2136      |
| 208 | Multi-messenger Observations of a Binary Neutron Star Merger. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 848, L12  | 7.9  | 1935      |
| 207 | Gravitational Waves and Gamma-Rays from a Binary Neutron Star Merger: GW170817 and GRB 170817A. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 848, L13                | 7.9  | 1614      |
| 206 | GW170104: Observation of a 50-Solar-Mass Binary Black Hole Coalescence at Redshift 0.2. <i>Physical Review Letters</i> , <b>2017</b> , 118, 221101                           | 7.4  | 1609      |
| 205 | GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence. <i>Physical Review Letters</i> , <b>2017</b> , 119, 141101               | 7.4  | 1270      |
| 204 | Advanced LIGO. <i>Classical and Quantum Gravity</i> , <b>2015</b> , 32, 074001   | 3.3  | 1098      |
| 203 | GW170817: Measurements of Neutron Star Radii and Equation of State. <i>Physical Review Letters</i> , <b>2018</b> , 121, 161101   | 7.4  | 867       |
| 202 | Tests of General Relativity with GW150914. <i>Physical Review Letters</i> , <b>2016</b> , 116, 221101  | 7.4  | 837       |
| 201 | GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 851, L35  | 7.9  | 809       |
| 200 | Characterization of the LIGO detectors during their sixth science run. <i>Classical and Quantum Gravity</i> , <b>2015</b> , 32, 115012                                       | 3.3  | 790       |
| 199 | Binary Black Hole Mergers in the First Advanced LIGO Observing Run. <i>Physical Review X</i> , <b>2016</b> , 6,  | 9.1  | 723       |
| 198 | GW190425: Observation of a Compact Binary Coalescence with Total Mass $\sim 3.4 M_{\odot}$ . <i>Astrophysical Journal Letters</i> , <b>2020</b> , 892, L3                    | 7.9  | 591       |
| 197 | Enhanced sensitivity of the LIGO gravitational wave detector by using squeezed states of light. <i>Nature Photonics</i> , <b>2013</b> , 7, 613-619                           | 33.9 | 572       |
| 196 | A gravitational wave observatory operating beyond the quantum shot-noise limit. <i>Nature Physics</i> , <b>2011</b> , 7, 962-965   | 16.2 | 554       |
| 195 | Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , <b>2018</b> , 21, 3 | 32.5 | 543       |

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| 194 | Properties of the Binary Black Hole Merger GW150914. <i>Physical Review Letters</i> , <b>2016</b> , 116, 241102  | 7.4  | 515 |
| 193 | ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. <i>Astrophysical Journal Letters</i> , <b>2016</b> , 818, L22   | 7.9  | 512 |
| 192 | Exploring the sensitivity of next generation gravitational wave detectors. <i>Classical and Quantum Gravity</i> , <b>2017</b> , 34, 044001   | 3.3  | 454 |
| 191 | A gravitational-wave standard siren measurement of the Hubble constant. <i>Nature</i> , <b>2017</b> , 551, 85-88   | 50.4 | 413 |
| 190 | Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. <i>Living Reviews in Relativity</i> , <b>2016</b> , 19, 1                        | 32.5 | 393 |
| 189 | GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. <i>Physical Review Letters</i> , <b>2016</b> , 116, 131103  | 7.4  | 328 |
| 188 | GW150914: First results from the search for binary black hole coalescence with Advanced LIGO. <i>Physical Review D</i> , <b>2016</b> , 93,   | 4.9  | 253 |
| 187 | THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914. <i>Astrophysical Journal Letters</i> , <b>2016</b> , 833, L1                            | 7.9  | 209 |
| 186 | GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes. <i>Physical Review Letters</i> , <b>2016</b> , 116, 131102                                  | 7.4  | 188 |
| 185 | LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. <i>Astrophysical Journal Letters</i> , <b>2016</b> , 826, L13   | 7.9  | 183 |
| 184 | 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> , <b>2012</b> , 85,           | 4.9  | 172 |
| 183 | Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. <i>Classical and Quantum Gravity</i> , <b>2016</b> , 33,                                | 3.3  | 155 |
| 182 | Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , <b>2020</b> , 23, 3                 | 32.5 | 144 |
| 181 | Upper Limits on the Stochastic Gravitational-Wave Background from Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , <b>2017</b> , 118, 121101                            | 7.4  | 137 |
| 180 | Search for Post-merger Gravitational Waves from the Remnant of the Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 851, L16                        | 7.9  | 133 |
| 179 | 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> , <b>2016</b> , 832, L21 | 7.9  | 130 |
| 178 | Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated with GW170817. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 850, L39                                      | 7.9  | 127 |
| 177 | Parameter estimation for compact binary coalescence signals with the first generation gravitational-wave detector network. <i>Physical Review D</i> , <b>2013</b> , 88,                      | 4.9  | 122 |

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| 176 | GW170817: Implications for the Stochastic Gravitational-Wave Background from Compact Binary Coalescences. <i>Physical Review Letters</i> , <b>2018</b> , 120, 091101   | 7.4 | 120 |
| 175 | GRAVITATIONAL WAVES FROM KNOWN PULSARS: RESULTS FROM THE INITIAL DETECTOR ERA. <i>Astrophysical Journal</i> , <b>2014</b> , 785, 119   | 4.7 | 109 |
| 174 | First Search for Gravitational Waves from Known Pulsars with Advanced LIGO. <i>Astrophysical Journal</i> , <b>2017</b> , 839, 12   | 4.7 | 107 |
| 173 | Search for High-energy Neutrinos from Binary Neutron Star Merger GW170817 with ANTARES, IceCube, and the Pierre Auger Observatory. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 850, L35                             | 7.9 | 104 |
| 172 | Self-interaction spin effects in inspiralling compact binaries. <i>Physical Review D</i> , <b>2005</b> , 71,   | 4.9 | 101 |
| 171 | Brane-world stars with a solid crust and vacuum exterior. <i>Classical and Quantum Gravity</i> , <b>2015</b> , 32, 045015  | 3.3 | 96  |
| 170 | All-sky search for gravitational-wave bursts in the second joint LIGO-Virgo run. <i>Physical Review D</i> , <b>2012</b> , 85,  | 4.9 | 96  |
| 169 | Observing gravitational-wave transient GW150914 with minimal assumptions. <i>Physical Review D</i> , <b>2016</b> , 93,   | 4.9 | 94  |
| 168 | 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> , <b>2012</b> , 760, 12   | 4.7 | 94  |
| 167 | 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> , <b>2019</b> , 876, L7 | 7.9 | 91  |
| 166 | Search for gravitational waves from binary black hole inspiral, merger, and ringdown in LIGO-Virgo data from 2009–2010. <i>Physical Review D</i> , <b>2013</b> , 87,   | 4.9 | 91  |
| 165 | Improved Analysis of GW150914 Using a Fully Spin-Precessing Waveform Model. <i>Physical Review X</i> , <b>2016</b> , 6,  | 9.1 | 89  |
| 164 | Einstein@Home all-sky search for periodic gravitational waves in LIGO S5 data. <i>Physical Review D</i> , <b>2013</b> , 87,  | 4.9 | 84  |
| 163 | High-energy neutrino follow-up search of gravitational wave event GW150914 with ANTARES and IceCube. <i>Physical Review D</i> , <b>2016</b> , 93,  | 4.9 | 80  |
| 162 | Directly comparing GW150914 with numerical solutions of Einstein's equations for binary black hole coalescence. <i>Physical Review D</i> , <b>2016</b> , 94,   | 4.9 | 76  |
| 161 | Effects of waveform model systematics on the interpretation of GW150914. <i>Classical and Quantum Gravity</i> , <b>2017</b> , 34, 104002   | 3.3 | 74  |
| 160 | Brane-world generalizations of the Einstein static universe. <i>Classical and Quantum Gravity</i> , <b>2002</b> , 19, 213–231  | 3.3 | 71  |
| 159 | Implementation and testing of the first prompt search for gravitational wave transients with electromagnetic counterparts. <i>Astronomy and Astrophysics</i> , <b>2012</b> , 539, A124                                       | 5.1 | 71  |

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| 158 | First low-latency LIGO+Virgo search for binary inspirals and their electromagnetic counterparts. <i>Astronomy and Astrophysics</i> , <b>2012</b> , 541, A155                       | 5.1 | 69 |
| 157 | Directional Limits on Persistent Gravitational Waves from Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , <b>2017</b> , 118, 121102                          | 7.4 | 65 |
| 156 | Search for intermediate mass black hole binaries in the first observing run of Advanced LIGO. <i>Physical Review D</i> , <b>2017</b> , 96,   | 4.9 | 64 |
| 155 | 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> , <b>2018</b> , 35, 065010 | 3.3 | 62 |
| 154 | All-sky search for periodic gravitational waves in the full S5 LIGO data. <i>Physical Review D</i> , <b>2012</b> , 85,   | 4.9 | 61 |
| 153 | Calibration of the Advanced LIGO detectors for the discovery of the binary black-hole merger GW150914. <i>Physical Review D</i> , <b>2017</b> , 95,                                | 4.9 | 60 |
| 152 | Constraints on cosmic strings using data from the first Advanced LIGO observing run. <i>Physical Review D</i> , <b>2018</b> , 97,  | 4.9 | 60 |
| 151 | Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background. <i>Physical Review Letters</i> , <b>2018</b> , 120, 201102                    | 7.4 | 60 |
| 150 | Constraints on cosmic strings from the LIGO-Virgo gravitational-wave detectors. <i>Physical Review Letters</i> , <b>2014</b> , 112, 131101   | 7.4 | 59 |
| 149 | The characterization of Virgo data and its impact on gravitational-wave searches. <i>Classical and Quantum Gravity</i> , <b>2012</b> , 29, 155002                                  | 3.3 | 59 |
| 148 | SEARCHES FOR CONTINUOUS GRAVITATIONAL WAVES FROM NINE YOUNG SUPERNOVA REMNANTS. <i>Astrophysical Journal</i> , <b>2015</b> , 813, 39   | 4.7 | 58 |
| 147 | Generalized Friedmann branes. <i>Physical Review D</i> , <b>2003</b> , 68,   | 4.9 | 58 |
| 146 | Directed search for continuous gravitational waves from the Galactic center. <i>Physical Review D</i> , <b>2013</b> , 88,  | 4.9 | 57 |
| 145 | SWIFT FOLLOW-UP OBSERVATIONS OF CANDIDATE GRAVITATIONAL-WAVE TRANSIENT EVENTS. <i>Astrophysical Journal, Supplement Series</i> , <b>2012</b> , 203, 28                             | 8   | 57 |
| 144 | Brane-world cosmology with black strings. <i>Physical Review D</i> , <b>2006</b> , 74,   | 4.9 | 57 |
| 143 | All-sky search for short gravitational-wave bursts in the first Advanced LIGO run. <i>Physical Review D</i> , <b>2017</b> , 95,  | 4.9 | 54 |
| 142 | All-sky search for periodic gravitational waves in the O1 LIGO data. <i>Physical Review D</i> , <b>2017</b> , 96,  | 4.9 | 54 |
| 141 | First low-frequency Einstein@Home all-sky search for continuous gravitational waves in Advanced LIGO data. <i>Physical Review D</i> , <b>2017</b> , 96,                            | 4.9 | 54 |

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| 140 | 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> , <b>2016</b> , 227, 14     | 8   | 52 |
| 139 | FIRST SEARCHES FOR OPTICAL COUNTERPARTS TO GRAVITATIONAL-WAVE CANDIDATE EVENTS. <i>Astrophysical Journal, Supplement Series</i> , <b>2014</b> , 211, 7  | 8   | 51 |
| 138 | Effective field theory of modified gravity with two scalar fields: Dark energy and dark matter. <i>Physical Review D</i> , <b>2014</b> , 89,  | 4.9 | 51 |
| 137 | THE SPIN-FLIP PHENOMENON IN SUPERMASSIVE BLACK HOLE BINARY MERGERS. <i>Astrophysical Journal</i> , <b>2009</b> , 697, 1621-1633   | 4.7 | 51 |
| 136 | First Search for Nontensorial Gravitational Waves from Known Pulsars. <i>Physical Review Letters</i> , <b>2018</b> , 120, 031104  | 7.4 | 50 |
| 135 | On the Progenitor of Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 850, L40   | 7.9 | 50 |
| 134 | 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> , <b>2017</b> , 95,  | 4.9 | 47 |
| 133 | Search for gravitational waves from intermediate mass binary black holes. <i>Physical Review D</i> , <b>2012</b> , 85,  | 4.9 | 46 |
| 132 | Friedmann branes with variable tension. <i>Physical Review D</i> , <b>2008</b> , 78,  | 4.9 | 46 |
| 131 | A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. <i>Astrophysical Journal</i> , <b>2021</b> , 909, 218                                      | 4.7 | 46 |
| 130 | The basic physics of the binary black hole merger GW150914. <i>Annalen Der Physik</i> , <b>2017</b> , 529, 1600209  | 2.6 | 45 |
| 129 | First targeted search for gravitational-wave bursts from core-collapse supernovae in data of first-generation laser interferometer detectors. <i>Physical Review D</i> , <b>2016</b> , 94,                        | 4.9 | 43 |
| 128 | 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> , <b>2017</b> , 841, 89 | 4.7 | 42 |
| 127 | Spin effects in gravitational radiation back reaction. III. Compact binaries with two spinning components. <i>Physical Review D</i> , <b>1998</b> , 58,   | 4.9 | 41 |
| 126 | Upper limits on a stochastic gravitational-wave background using LIGO and Virgo interferometers at 600–1000 Hz. <i>Physical Review D</i> , <b>2012</b> , 85,  | 4.9 | 40 |
| 125 | First narrow-band search for continuous gravitational waves from known pulsars in advanced detector data. <i>Physical Review D</i> , <b>2017</b> , 96,  | 4.9 | 39 |
| 124 | Directed search for gravitational waves from Scorpius X-1 with initial LIGO data. <i>Physical Review D</i> , <b>2015</b> , 91,  | 4.9 | 38 |
| 123 | SUPPLEMENT: LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914[2016, ApJL, 826, L13). <i>Astrophysical Journal, Supplement Series</i> , <b>2016</b> , 225, 8                       | 8   | 38 |

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| 122 | Full band all-sky search for periodic gravitational waves in the O1 LIGO data. <i>Physical Review D</i> , <b>2018</b> , 97,   | 4.9 | 37 |
| 121 | Spin-spin effects in radiating compact binaries. <i>Physical Review D</i> , <b>1999</b> , 61,   | 4.9 | 37 |
| 120 | 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> , <b>2020</b> , 101, | 4.9 | 36 |
| 119 | Upper Limits on Gravitational Waves from Scorpius X-1 from a Model-based Cross-correlation Search in Advanced LIGO Data. <i>Astrophysical Journal</i> , <b>2017</b> , 847, 47                                       | 4.7 | 35 |
| 118 | A spinning supermassive black hole binary model consistent with VLBI observations of the S5 1928+738 jet. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 445, 1370-1382                   | 4.3 | 33 |
| 117 | Viscous dissipative Chaplygin gas dominated homogenous and isotropic cosmological models. <i>Physical Review D</i> , <b>2008</b> , 77,  | 4.9 | 33 |
| 116 | Search for high-energy neutrinos from gravitational wave event GW151226 and candidate LVT151012 with ANTARES and IceCube. <i>Physical Review D</i> , <b>2017</b> , 96,  | 4.9 | 32 |
| 115 | Narrow-band search of continuous gravitational-wave signals from Crab and Vela pulsars in Virgo VSR4 data. <i>Physical Review D</i> , <b>2015</b> , 91,   | 4.9 | 32 |
| 114 | Tachyon cosmology, supernovae data, and the big brake singularity. <i>Physical Review D</i> , <b>2009</b> , 79,   | 4.9 | 31 |
| 113 | Soft singularity crossing and transformation of matter properties. <i>Physical Review D</i> , <b>2013</b> , 88,   | 4.9 | 30 |
| 112 | Search for long-lived gravitational-wave transients coincident with long gamma-ray bursts. <i>Physical Review D</i> , <b>2013</b> , 88,   | 4.9 | 30 |
| 111 | First low frequency all-sky search for continuous gravitational wave signals. <i>Physical Review D</i> , <b>2016</b> , 93,  | 4.9 | 29 |
| 110 | A first search for coincident gravitational waves and high energy neutrinos using LIGO, Virgo and ANTARES data from 2007. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2013</b> , 2013, 008-008       | 6.4 | 29 |
| 109 | Second post-Newtonian radiative evolution of the relative orientations of angular momenta in spinning compact binaries. <i>Physical Review D</i> , <b>2000</b> , 62,  | 4.9 | 29 |
| 108 | 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> , <b>2016</b> , 94,         | 4.9 | 29 |
| 107 | Comprehensive all-sky search for periodic gravitational waves in the sixth science run LIGO data. <i>Physical Review D</i> , <b>2016</b> , 94,  | 4.9 | 28 |
| 106 | Observation of Gravitational Waves from a Binary Black Hole Merger <b>2017</b> , 291-311  |     | 27 |
| 105 | All-sky search for long-duration gravitational wave transients with initial LIGO. <i>Physical Review D</i> , <b>2016</b> , 93,  | 4.9 | 27 |



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| 104 | Paradox of soft singularity crossing and its resolution by distributional cosmological quantities. <i>Physical Review D</i> , <b>2012</b> , 86,   | 4.9 | 27 |
| 103 | Gravitational radiation reaction in compact binary systems: Contribution of the quadrupole-monopole interaction. <i>Physical Review D</i> , <b>2003</b> , 67,   | 4.9 | 27 |
| 102 | Searching for stochastic gravitational waves using data from the two colocated LIGO Hanford detectors. <i>Physical Review D</i> , <b>2015</b> , 91,   | 4.9 | 26 |
| 101 | Asymmetric brane-worlds with induced gravity. <i>Physical Review D</i> , <b>2005</b> , 71,  | 4.9 | 25 |
| 100 | Spin effects in gravitational radiation back reaction. I. The Lense-Thirring approximation. <i>Physical Review D</i> , <b>1998</b> , 57, 876-884  | 4.9 | 25 |
| 99  | Constraining the parameters of the putative supermassive binary black hole in PG 1302+02 from its radio structure. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 454, 1290-1296        | 4.3 | 24 |
| 98  | Black holes and dark energy from gravitational collapse on the brane. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2007</b> , 2007, 027-027   | 6.4 | 24 |
| 97  | Kepler equation for inspiralling compact binaries. <i>Physical Review D</i> , <b>2005</b> , 72,   | 4.9 | 24 |
| 96  | 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> , <b>2019</b> , 870, 134 | 4.7 | 23 |
| 95  | Will the tachyonic universe survive the big brake?. <i>Physical Review D</i> , <b>2010</b> , 82,  | 4.9 | 23 |
| 94  | On the origin of X-shaped radio galaxies. <i>Research in Astronomy and Astrophysics</i> , <b>2012</b> , 12, 127-146   | 1.5 | 23 |
| 93  | Effective field theory of modified gravity on the spherically symmetric background: Leading order dynamics and the odd-type perturbations. <i>Physical Review D</i> , <b>2014</b> , 90,                           | 4.9 | 22 |
| 92  | Constraining Hořava-Lifshitz gravity by weak and strong gravitational lensing. <i>Physical Review D</i> , <b>2011</b> , 84,   | 4.9 | 22 |
| 91  | Electric branes. <i>Physical Review D</i> , <b>2009</b> , 79,   | 4.9 | 22 |
| 90  | Spin effects in gravitational radiation back reaction. II. Finite mass effects. <i>Physical Review D</i> , <b>1998</b> , 57, 3423-3432  | 4.9 | 22 |
| 89  | Gravitational dynamics in s+1+1 dimensions II. Hamiltonian theory. <i>Physical Review D</i> , <b>2008</b> , 77,   | 4.9 | 21 |
| 88  | The geometry of the Barbour-Bertotti theories: II. The three-body problem. <i>Classical and Quantum Gravity</i> , <b>2000</b> , 17, 1963-1978   | 3.3 | 21 |
| 87  | Galactic rotation curves in brane world models. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 415, 3275-3290   | 4.3 | 20 |



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| 86 | The geometry of the Barbour-Bertotti theories: I. The reduction process. <i>Classical and Quantum Gravity</i> , <b>2000</b> , 17, 1949-1962  | 3.3 | 20 |
| 85 | Spherically symmetric static solution for colliding null dust. <i>Physical Review D</i> , <b>1998</b> , 58,  | 4.9 | 20 |
| 84 | A swirling jet in the quasar 1308+326. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 602, A29  | 5.1 | 18 |
| 83 | Application of a Hough search for continuous gravitational waves on data from the fifth LIGO science run. <i>Classical and Quantum Gravity</i> , <b>2014</b> , 31, 085014  | 3.3 | 18 |
| 82 | The luminosity-redshift relation in brane-worlds: II. Confrontation with experimental data. <i>PMC Physics A</i> , <b>2007</b> , 1,  |     | 17 |
| 81 | Asymmetric radiating brane-world. <i>Physical Review D</i> , <b>2004</b> , 70,   | 4.9 | 17 |
| 80 | Second-order light deflection by tidal charged black holes on the brane. <i>Classical and Quantum Gravity</i> , <b>2009</b> , 26, 145002   | 3.3 | 16 |
| 79 | The luminosity-redshift relation in brane-worlds: I. Analytical results. <i>PMC Physics A</i> , <b>2007</b> , 1, 4   |     | 16 |
| 78 | Irradiated asymmetric Friedmann branes. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2006</b> , 2006, 022-022  | 6.4 | 15 |
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