

Alessandra Corsi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

199
papers

40,059
citations

66
h-index

200
g-index

205
ext. papers

48,619
ext. citations

6.8
avg. IF

5.37
L-index

| # | Paper | IF | Citations |
|-----|---|-----|-----------|
| 199 | Target-of-opportunity Observations of Gravitational-wave Events with Vera C. Rubin Observatory. <i>Astrophysical Journal, Supplement Series</i> , 2022 , 260, 18 | 8 | 2 |
| 198 | Radio Observations of SN2004dk with VLITE Confirm Late-time Rebrightening. <i>Astrophysical Journal</i> , 2021 , 923, 32 | 4.7 | 2 |
| 197 | The Panchromatic Afterglow of GW170817: The Full Uniform Data Set, Modeling, Comparison with Previous Results, and Implications. <i>Astrophysical Journal</i> , 2021 , 922, 154 | 4.7 | 4 |
| 196 | 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 |
| 195 | VLBI Observations of Supernova PTF11qj: Direct Constraints on the Size of the Radio Ejecta. <i>Astrophysical Journal</i> , 2021 , 910, 16 | 4.7 | 1 |
| 194 | The JAGWAR Prowls LIGO/Virgo O3 Paper I: Radio Search of a Possible Multimessenger Counterpart of the Binary Black Hole Merger Candidate S191216ap. <i>Astrophysical Journal</i> , 2021 , 911, 77 | 4.7 | 3 |
| 193 | Searches after Gravitational Waves Using ARizona Observatories (SAGUARO): Observations and Analysis from Advanced LIGO/Virgo's Third Observing Run. <i>Astrophysical Journal</i> , 2021 , 912, 128 | 4.7 | 10 |
| 192 | Continued Radio Observations of GW170817 3.5 yr Post-merger. <i>Astrophysical Journal Letters</i> , 2021 , 914, L20 | 7.9 | 15 |
| 191 | Gamma-ray burst jets in supernovae. <i>New Astronomy Reviews</i> , 2021 , 92, 101614 | 7.9 | 4 |
| 190 | Search for Radio Remnants of Nearby Off-axis Gamma-Ray Bursts in a Sample of Swift/BAT Events. <i>Astrophysical Journal</i> , 2021 , 908, 63 | 4.7 | 2 |
| 189 | Search for Gravitational Waves Associated with Gamma-Ray Bursts Detected by Fermi and Swift during the LIGO/Virgo Run O3a. <i>Astrophysical Journal</i> , 2021 , 915, 86 | 4.7 | 6 |
| 188 | A targeted search for repeating fast radio bursts associated with gamma-ray bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 501, 541-547 | 4.3 | 3 |
| 187 | The Late-time Afterglow Evolution of Long Gamma-Ray Bursts GRB 160625B and GRB 160509A. <i>Astrophysical Journal</i> , 2020 , 894, 43 | 4.7 | 8 |
| 186 | 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 |
| 185 | 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 |
| 184 | Model comparison from LIGO/Virgo data on GW170817's binary components and consequences for the merger remnant. <i>Classical and Quantum Gravity</i> , 2020 , 37, 045006 | 3.3 | 69 |
| 183 | A guide to LIGO/Virgo detector noise and extraction of transient gravitational-wave signals. <i>Classical and Quantum Gravity</i> , 2020 , 37, 055002 | 3.3 | 78 |

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| 182 | An Optimized Radio Follow-up Strategy for Stripped-envelope Core-collapse Supernovae. <i>Astrophysical Journal</i> , 2020 , 889, 36 | 4.7 | 3 |
| 181 | The Broad-lined Ic Supernova ZTF18aaqjovh (SN 2018bvww): An Optically Discovered Engine-driven Supernova Candidate with Luminous Radio Emission. <i>Astrophysical Journal</i> , 2020 , 893, 132 | 4.7 | 6 |
| 180 | SN 2020bvc: A Broad-line Type Ic Supernova with a Double-peaked Optical Light Curve and a Luminous X-Ray and Radio Counterpart. <i>Astrophysical Journal</i> , 2020 , 902, 86 | 4.7 | 9 |
| 179 | GRB 160625B: Evidence for a Gaussian-shaped Jet. <i>Astrophysical Journal</i> , 2020 , 904, 166 | 4.7 | 5 |
| 178 | Kilonova Luminosity Function Constraints Based on Zwicky Transient Facility Searches for 13 Neutron Star Merger Triggers during O3. <i>Astrophysical Journal</i> , 2020 , 905, 145 | 4.7 | 29 |
| 177 | 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 |
| 176 | Gravitational-wave Constraints on the Equatorial Ellipticity of Millisecond Pulsars. <i>Astrophysical Journal Letters</i> , 2020 , 902, L21 | 7.9 | 32 |
| 175 | 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 |
| 174 | Searching for the radio remnants of short-duration gamma-ray bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 500, 1708-1720 | 4.3 | 13 |
| 173 | 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 |
| 172 | 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, | 4.9 | 36 |
| 171 | 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 |
| 170 | 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, | 9.1 | 1169 |
| 169 | Radio forensics could unmask nearby off-axis gamma-ray bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 485, 4150-4159 | 4.3 | 7 |
| 168 | Optical Follow-up of Gravitational-wave Events during the Second Advanced LIGO/VIRGO Observing Run with the DLT40 Survey. <i>Astrophysical Journal</i> , 2019 , 875, 59 | 4.7 | 11 |
| 167 | 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 |
| 166 | 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 |
| 165 | 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 |

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| 164 | The Double-peaked Radio Light Curve of Supernova PTF11qcj. <i>Astrophysical Journal</i> , 2019 , 872, 201 | 4.7 | 14 |
| 163 | Search for Transient Gravitational-wave Signals Associated with Magnetar Bursts during Advanced LIGO's Second Observing Run. <i>Astrophysical Journal</i> , 2019 , 874, 163 | 4.7 | 17 |
| 162 | Searches after Gravitational Waves Using ARizona Observatories (SAGUARO): System Overview and First Results from Advanced LIGO/Virgo's Third Observing Run. <i>Astrophysical Journal Letters</i> , 2019 , 881, L26 | 7.9 | 27 |
| 161 | Narrow-band search for gravitational waves from known pulsars using the second LIGO observing run. <i>Physical Review D</i> , 2019 , 99, | 4.9 | 43 |
| 160 | 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 |
| 159 | All-sky search for continuous gravitational waves from isolated neutron stars using Advanced LIGO O2 data. <i>Physical Review D</i> , 2019 , 100, | 4.9 | 81 |
| 158 | All-sky search for short gravitational-wave bursts in the second Advanced LIGO and Advanced Virgo run. <i>Physical Review D</i> , 2019 , 100, | 4.9 | 39 |
| 157 | The CUORE cryostat: An infrastructure for rare event searches at millikelvin temperatures. <i>Cryogenics</i> , 2019 , 102, 9-21 | 1.8 | 19 |
| 156 | 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 | 4.7 | 36 |
| 155 | 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, | 4.9 | 39 |
| 154 | Short GRB 160821B: A Reverse Shock, a Refreshed Shock, and a Well-sampled Kilonova. <i>Astrophysical Journal</i> , 2019 , 883, 48 | 4.7 | 57 |
| 153 | Search for Substellar Mass Ultracompact Binaries in Advanced LIGO's Second Observing Run. <i>Physical Review Letters</i> , 2019 , 123, 161102 | 7.4 | 68 |
| 152 | Radio Follow-up of a Candidate γ -ray Transient in the Sky Localization Area of GW170608. <i>Astrophysical Journal</i> , 2019 , 884, 16 | 4.7 | 2 |
| 151 | Evidence for Late-stage Eruptive Mass Loss in the Progenitor to SN2018gcp, a Broad-lined Ic Supernova: Pre-explosion Emission and a Rapidly Rising Luminous Transient. <i>Astrophysical Journal</i> , 2019 , 887, 169 | 4.7 | 36 |
| 150 | Multiwaveform cross-correlation search method for intermediate-duration gravitational waves from gamma-ray bursts. <i>Physical Review D</i> , 2019 , 100, | 4.9 | 1 |
| 149 | An ASKAP Search for a Radio Counterpart to the First High-significance Neutron Star–Black Hole Merger LIGO/Virgo S190814bv. <i>Astrophysical Journal Letters</i> , 2019 , 887, L13 | 7.9 | 31 |
| 148 | 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 | 4.7 | 21 |
| 147 | Properties of the Binary Neutron Star Merger GW170817. <i>Physical Review X</i> , 2019 , 9, | 9.1 | 423 |

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| 146 | Binary black hole mergers within the LIGO horizon: statistical properties and prospects for detecting electromagnetic counterparts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 477, 4228-4240 | 4.3 | 17 |
| 145 | First Search for Nontensorial Gravitational Waves from Known Pulsars. <i>Physical Review Letters</i> , 2018 , 120, 031104 | 7.4 | 50 |
| 144 | A mildly relativistic wide-angle outflow in the neutron-star merger event GW170817. <i>Nature</i> , 2018 , 554, 207-210 | 50.4 | 224 |
| 143 | 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 |
| 142 | Full band all-sky search for periodic gravitational waves in the O1 LIGO data. <i>Physical Review D</i> , 2018 , 97, | 4.9 | 37 |
| 141 | Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA 2018 , 21, 1 | | 2 |
| 140 | An Upper Limit on the Linear Polarization Fraction of the GW170817 Radio Continuum. <i>Astrophysical Journal Letters</i> , 2018 , 861, L10 | 7.9 | 22 |
| 139 | Light Curves of Hydrogen-poor Superluminous Supernovae from the Palomar Transient Factory. <i>Astrophysical Journal</i> , 2018 , 860, 100 | 4.7 | 71 |
| 138 | A Strong Jet Signature in the Late-time Light Curve of GW170817. <i>Astrophysical Journal Letters</i> , 2018 , 868, L11 | 7.9 | 85 |
| 137 | Optimized Radio Follow-up of Binary Neutron-star Mergers. <i>Astrophysical Journal</i> , 2018 , 867, 135 | 4.7 | 2 |
| 136 | A Turnover in the Radio Light Curve of GW170817. <i>Astrophysical Journal Letters</i> , 2018 , 858, L15 | 7.9 | 97 |
| 135 | Search for Substellar-Mass Ultracompact Binaries in Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , 2018 , 121, 231103 | 7.4 | 49 |
| 134 | GW170817: Measurements of Neutron Star Radii and Equation of State. <i>Physical Review Letters</i> , 2018 , 121, 161101 | 7.4 | 867 |
| 133 | Superluminal motion of a relativistic jet in the neutron-star merger GW170817. <i>Nature</i> , 2018 , 561, 355-358 | 50.4 | 251 |
| 132 | X-ray Swift observations of SN 2018cow. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018 , 480, L146-L150 | 4.3 | 35 |
| 131 | Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background. <i>Physical Review Letters</i> , 2018 , 120, 201102 | 7.4 | 60 |
| 130 | Type Ibn Supernovae Show Photometric Homogeneity and Spectral Diversity at Maximum Light. <i>Astrophysical Journal</i> , 2017 , 836, 158 | 4.7 | 49 |
| 129 | Effects of waveform model systematics on the interpretation of GW150914. <i>Classical and Quantum Gravity</i> , 2017 , 34, 104002 | 3.3 | 74 |

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| 128 | Calibration of the Advanced LIGO detectors for the discovery of the binary black-hole merger GW150914. <i>Physical Review D</i> , 2017 , 95, | 4.9 | 60 |
| 127 | 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 |
| 126 | Directional Limits on Persistent Gravitational Waves from Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , 2017 , 118, 121102 | 7.4 | 65 |
| 125 | First Search for Gravitational Waves from Known Pulsars with Advanced LIGO. <i>Astrophysical Journal</i> , 2017 , 839, 12 | 4.7 | 107 |
| 124 | The basic physics of the binary black hole merger GW150914. <i>Annalen Der Physik</i> , 2017 , 529, 1600209 | 2.6 | 45 |
| 123 | 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 |
| 122 | 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 | 4.7 | 35 |
| 121 | GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. <i>Physical Review Letters</i> , 2017 , 119, 161101 | 7.4 | 4272 |
| 120 | Illuminating gravitational waves: A concordant picture of photons from a neutron star merger. <i>Science</i> , 2017 , 358, 1559-1565 | 33.3 | 414 |
| 119 | A radio counterpart to a neutron star merger. <i>Science</i> , 2017 , 358, 1579-1583 | 33.3 | 302 |
| 118 | Multi-messenger Observations of a Binary Neutron Star Merger. <i>Astrophysical Journal Letters</i> , 2017 , 848, L12 | 7.9 | 1935 |
| 117 | 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 |
| 116 | Search for intermediate mass black hole binaries in the first observing run of Advanced LIGO. <i>Physical Review D</i> , 2017 , 96, | 4.9 | 64 |
| 115 | All-sky search for periodic gravitational waves in the O1 LIGO data. <i>Physical Review D</i> , 2017 , 96, | 4.9 | 54 |
| 114 | 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 |
| 113 | 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 |
| 112 | Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated with GW170817. <i>Astrophysical Journal Letters</i> , 2017 , 850, L39 | 7.9 | 127 |
| 111 | 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 |

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| 110 | 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, | 4.9 | 47 |
| 109 | An Empirical Limit on the Kilonova Rate from the DLT40 One Day Cadence Supernova Survey. <i>Astrophysical Journal Letters</i> , 2017 , 851, L48 | 7.9 | 26 |
| 108 | First narrow-band search for continuous gravitational waves from known pulsars in advanced detector data. <i>Physical Review D</i> , 2017 , 96, | 4.9 | 39 |
| 107 | On the Progenitor of Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , 2017 , 850, L40 | 7.9 | 50 |
| 106 | GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. <i>Astrophysical Journal Letters</i> , 2017 , 851, L35 | 7.9 | 809 |
| 105 | A Tale of Two Transients: GW 170104 and GRB 170105A. <i>Astrophysical Journal</i> , 2017 , 845, 152 | 4.7 | 24 |
| 104 | iPTF17cw: An Engine-driven Supernova Candidate Discovered Independent of a Gamma-Ray Trigger. <i>Astrophysical Journal</i> , 2017 , 847, 54 | 4.7 | 20 |
| 103 | The Discovery of the Electromagnetic Counterpart of GW170817: Kilonova AT 2017gfo/HLT17ck. <i>Astrophysical Journal Letters</i> , 2017 , 848, L24 | 7.9 | 232 |
| 102 | iPTF 16asu: A Luminous, Rapidly Evolving, and High-velocity Supernova. <i>Astrophysical Journal</i> , 2017 , 851, 107 | 4.7 | 43 |
| 101 | iPTF SEARCH FOR AN OPTICAL COUNTERPART TO GRAVITATIONAL-WAVE TRANSIENT GW150914. <i>Astrophysical Journal Letters</i> , 2016 , 824, L24 | 7.9 | 42 |
| 100 | RADIO OBSERVATIONS OF A SAMPLE OF BROAD-LINE TYPE IC SUPERNOVAE DISCOVERED BY PTF/IPTF: A SEARCH FOR RELATIVISTIC EXPLOSIONS. <i>Astrophysical Journal</i> , 2016 , 830, 42 | 4.7 | 34 |
| 99 | LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. <i>Astrophysical Journal Letters</i> , 2016 , 826, L13 | 7.9 | 183 |
| 98 | 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 |
| 97 | Cross-correlation method for intermediate-duration gravitational wave searches associated with gamma-ray bursts. <i>Physical Review D</i> , 2016 , 93, | 4.9 | 11 |
| 96 | GW150914: First results from the search for binary black hole coalescence with Advanced LIGO. <i>Physical Review D</i> , 2016 , 93, | 4.9 | 253 |
| 95 | GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes. <i>Physical Review Letters</i> , 2016 , 116, 131102 | 7.4 | 188 |
| 94 | GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. <i>Physical Review Letters</i> , 2016 , 116, 131103 | 7.4 | 328 |
| 93 | SUPPLEMENT: LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914 (2016, ApJL, 826, L13). <i>Astrophysical Journal, Supplement Series</i> , 2016 , 225, 8 | 8 | 38 |

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| 92 | Tests of General Relativity with GW150914. <i>Physical Review Letters</i> , 2016 , 116, 221101 | 7.4 | 837 |
| 91 | Properties of the Binary Black Hole Merger GW150914. <i>Physical Review Letters</i> , 2016 , 116, 241102 | 7.4 | 515 |
| 90 | 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 |
| 89 | Binary Black Hole Mergers in the First Advanced LIGO Observing Run. <i>Physical Review X</i> , 2016 , 6, | 9.1 | 723 |
| 88 | RADIO FOLLOW-UP OF GRAVITATIONAL-WAVE TRIGGERS DURING ADVANCED LIGO O1. <i>Astrophysical Journal Letters</i> , 2016 , 829, L28 | 7.9 | 19 |
| 87 | The bolometric light curves and physical parameters of stripped-envelope supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 458, 2973-3002 | 4.3 | 89 |
| 86 | OPTICAL AND NEAR-INFRARED OBSERVATIONS OF SN 2013DX ASSOCIATED WITH GRB 130702A. <i>Astrophysical Journal</i> , 2016 , 818, 79 | 4.7 | 34 |
| 85 | ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. <i>Astrophysical Journal Letters</i> , 2016 , 818, L22 | 7.9 | 512 |
| 84 | Observation of Gravitational Waves from a Binary Black Hole Merger. <i>Physical Review Letters</i> , 2016 , 116, 061102 | 7.4 | 6108 |
| 83 | 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 |
| 82 | 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 |
| 81 | 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 |
| 80 | iPTF15dtg: a double-peaked Type Ic supernova from a massive progenitor. <i>Astronomy and Astrophysics</i> , 2016 , 592, A89 | 5.1 | 40 |
| 79 | Characterization of the LIGO detectors during their sixth science run. <i>Classical and Quantum Gravity</i> , 2015 , 32, 115012 | 3.3 | 790 |
| 78 | THE NEEDLE IN THE 100 deg2HAYSTACK: UNCOVERING AFTERGLOWS OFFERMIGRBs WITH THE PALOMAR TRANSIENT FACTORY. <i>Astrophysical Journal</i> , 2015 , 806, 52 | 4.7 | 39 |
| 77 | SEARCHES FOR CONTINUOUS GRAVITATIONAL WAVES FROM NINE YOUNG SUPERNOVA REMNANTS. <i>Astrophysical Journal</i> , 2015 , 813, 39 | 4.7 | 58 |
| 76 | iPTF14yb: THE FIRST DISCOVERY OF A GAMMA-RAY BURST AFTERGLOW INDEPENDENT OF A HIGH-ENERGY TRIGGER. <i>Astrophysical Journal Letters</i> , 2015 , 803, L24 | 7.9 | 37 |
| 75 | HAPPY BIRTHDAYSWIFT: ULTRA-LONG GRB 141121A AND ITS BROADBAND AFTERGLOW. <i>Astrophysical Journal</i> , 2015 , 812, 122 | 4.7 | 13 |

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| 74 | EARLY-TIME VLA OBSERVATIONS AND BROADBAND AFTERGLOW ANALYSIS OF THE FERMI/LAT DETECTED GRB 130907A. <i>Astrophysical Journal</i> , 2015 , 810, 31 | 4.7 | 10 |
| 73 | Narrow-band search of continuous gravitational-wave signals from Crab and Vela pulsars in Virgo VSR4 data. <i>Physical Review D</i> , 2015 , 91, | 4.9 | 32 |
| 72 | Implementation of an \mathcal{F} -statistic all-sky search for continuous gravitational waves in Virgo VSR1 data. <i>Classical and Quantum Gravity</i> , 2014 , 31, 165014 | 3.3 | 27 |
| 71 | GRAVITATIONAL WAVES FROM KNOWN PULSARS: RESULTS FROM THE INITIAL DETECTOR ERA. <i>Astrophysical Journal</i> , 2014 , 785, 119 | 4.7 | 109 |
| 70 | 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 | 3.3 | 34 |
| 69 | FIRST SEARCHES FOR OPTICAL COUNTERPARTS TO GRAVITATIONAL-WAVE CANDIDATE EVENTS. <i>Astrophysical Journal, Supplement Series</i> , 2014 , 211, 7 | 8 | 51 |
| 68 | Evidence for dust destruction from the early-time colour change of GRB 120119A. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 440, 1810-1823 | 4.3 | 29 |
| 67 | Constraints on cosmic strings from the LIGO-Virgo gravitational-wave detectors. <i>Physical Review Letters</i> , 2014 , 112, 131101 | 7.4 | 59 |
| 66 | 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 |
| 65 | THE AFTERGLOW OF GRB 130427A FROM 1 TO 1016GHz. <i>Astrophysical Journal</i> , 2014 , 781, 37 | 4.7 | 132 |
| 64 | A MULTI-WAVELENGTH INVESTIGATION OF THE RADIO-LOUD SUPERNOVA PTF11qej AND ITS CIRCUMSTELLAR ENVIRONMENT. <i>Astrophysical Journal</i> , 2014 , 782, 42 | 4.7 | 64 |
| 63 | Colloquium: Multimessenger astronomy with gravitational waves and high-energy neutrinos. <i>Reviews of Modern Physics</i> , 2013 , 85, 1401-1420 | 40.5 | 38 |
| 62 | 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 |
| 61 | Search for long-lived gravitational-wave transients coincident with long gamma-ray bursts. <i>Physical Review D</i> , 2013 , 88, | 4.9 | 30 |
| 60 | Enhanced sensitivity of the LIGO gravitational wave detector by using squeezed states of light. <i>Nature Photonics</i> , 2013 , 7, 613-619 | 33.9 | 572 |
| 59 | The very energetic, broad-lined Type Ic supernova 2010ah (PTF10bzf) in the context of GRB/SNe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 432, 2463-2473 | 4.3 | 48 |
| 58 | DISCOVERY OF A COSMOLOGICAL, RELATIVISTIC OUTBURST VIA ITS RAPIDLY FADING OPTICAL EMISSION. <i>Astrophysical Journal</i> , 2013 , 769, 130 | 4.7 | 62 |
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