

Daniel E Holz

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2478763/publications.pdf>

Version: 2024-02-01

140
papers

18,649
citations

15504

65
h-index

11607

135
g-index

141
all docs

141
docs citations

141
times ranked

8761
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Toward a Halo Mass Function for Precision Cosmology: The Limits of Universality. <i>Astrophysical Journal</i> , 2008, 688, 709-728. | 4.5 | 1,387 |
| 2 | Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2018, 21, 3. | 26.7 | 808 |
| 3 | The first gravitational-wave source from the isolated evolution of two stars in the 40–100 solar mass range. <i>Nature</i> , 2016, 534, 512-515. | 27.8 | 712 |
| 4 | COMPACT REMNANT MASS FUNCTION: DEPENDENCE ON THE EXPLOSION MECHANISM AND METALLICITY. <i>Astrophysical Journal</i> , 2012, 749, 91. | 4.5 | 695 |
| 5 | The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. II. UV, Optical, and Near-infrared Light Curves and Comparison to Kilonova Models. <i>Astrophysical Journal Letters</i> , 2017, 848, L17. | 8.3 | 656 |
| 6 | DOUBLE COMPACT OBJECTS. I. THE SIGNIFICANCE OF THE COMMON ENVELOPE ON MERGER RATES. <i>Astrophysical Journal</i> , 2012, 759, 52. | 4.5 | 613 |
| 7 | Using Gravitational-Wave Standard Sirens. <i>Astrophysical Journal</i> , 2005, 629, 15-22. | 4.5 | 539 |
| 8 | Precision Determination of the Mass Function of Dark Matter Halos. <i>Astrophysical Journal</i> , 2006, 646, 881-885. | 4.5 | 448 |
| 9 | Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2020, 23, 3. | 26.7 | 447 |
| 10 | Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. <i>Living Reviews in Relativity</i> , 2016, 19, 1. | 26.7 | 427 |
| 11 | The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. I. Discovery of the Optical Counterpart Using the Dark Energy Camera. <i>Astrophysical Journal Letters</i> , 2017, 848, L16. | 8.3 | 392 |
| 12 | The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. IV. Detection of Near-infrared Signatures of r-process Nucleosynthesis with Gemini-South. <i>Astrophysical Journal Letters</i> , 2017, 848, L19. | 8.3 | 390 |
| 13 | Cosmology intertwined: A review of the particle physics, astrophysics, and cosmology associated with the cosmological tensions and anomalies. <i>Journal of High Energy Astrophysics</i> , 2022, 34, 49-211. | 6.7 | 350 |
| 14 | DOUBLE COMPACT OBJECTS. III. GRAVITATIONAL-WAVE DETECTION RATES. <i>Astrophysical Journal</i> , 2015, 806, 263. | 4.5 | 336 |
| 15 | DOUBLE COMPACT OBJECTS. II. COSMOLOGICAL MERGER RATES. <i>Astrophysical Journal</i> , 2013, 779, 72. | 4.5 | 334 |
| 16 | The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. III. Optical and UV Spectra of a Blue Kilonova from Fast Polar Ejecta. <i>Astrophysical Journal Letters</i> , 2017, 848, L18. | 8.3 | 327 |
| 17 | The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. V. Rising X-Ray Emission from an Off-axis Jet. <i>Astrophysical Journal Letters</i> , 2017, 848, L20. | 8.3 | 313 |
| 18 | The effect of pair-instability mass loss on black-hole mergers. <i>Astronomy and Astrophysics</i> , 2016, 594, A97. | 5.1 | 289 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | EXPLORING SHORT GAMMA-RAY BURSTS AS GRAVITATIONAL-WAVE STANDARD SIRENS. <i>Astrophysical Journal</i> , 2010, 725, 496-514. | 4.5 | 282 |
| 20 | A two per cent Hubble constant measurement from standard sirens within five years. <i>Nature</i> , 2018, 562, 545-547. | 27.8 | 282 |
| 21 | Black hole shadows, photon rings, and lensing rings. <i>Physical Review D</i> , 2019, 100, . | 4.7 | 271 |
| 22 | The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. VI. Radio Constraints on a Relativistic Jet and Predictions for Late-time Emission from the Kilonova Ejecta. <i>Astrophysical Journal Letters</i> , 2017, 848, L21. | 8.3 | 266 |
| 23 | Consequences of Gravitational Radiation Recoil. <i>Astrophysical Journal</i> , 2004, 607, L9-L12. | 4.5 | 260 |
| 24 | Evolutionary roads leading to low effective spins, high black hole masses, and O1/O2 rates for LIGO/Virgo binary black holes. <i>Astronomy and Astrophysics</i> , 2020, 636, A104. | 5.1 | 256 |
| 25 | THE EFFECT OF METALLICITY ON THE DETECTION PROSPECTS FOR GRAVITATIONAL WAVES. <i>Astrophysical Journal Letters</i> , 2010, 715, L138-L141. | 8.3 | 253 |
| 26 | Snowmass2021 - Letter of interest cosmology intertwined II: The Hubble constant tension. <i>Astroparticle Physics</i> , 2021, 131, 102605. | 4.3 | 228 |
| 27 | Short GRB and binary black hole standard sirens as a probe of dark energy. <i>Physical Review D</i> , 2006, 74, . | 4.7 | 220 |
| 28 | MISSING BLACK HOLES UNVEIL THE SUPERNOVA EXPLOSION MECHANISM. <i>Astrophysical Journal</i> , 2012, 757, 91. | 4.5 | 209 |
| 29 | COMPACT BINARY MERGER RATES: COMPARISON WITH LIGO/VIRGO UPPER LIMITS. <i>Astrophysical Journal</i> , 2016, 819, 108. | 4.5 | 193 |
| 30 | Are LIGO's Black Holes Made from Smaller Black Holes?. <i>Astrophysical Journal Letters</i> , 2017, 840, L24. | 8.3 | 189 |
| 31 | Ultrahigh precision cosmology from gravitational waves. <i>Physical Review D</i> , 2009, 80, . | 4.7 | 179 |
| 32 | 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. | 8.3 | 179 |
| 33 | One Channel to Rule Them All? Constraining the Origins of Binary Black Holes Using Multiple Formation Pathways. <i>Astrophysical Journal</i> , 2021, 910, 152. | 4.5 | 177 |
| 34 | New method for determining cumulative gravitational lensing effects in inhomogeneous universes. <i>Physical Review D</i> , 1998, 58, . | 4.7 | 162 |
| 35 | Where Are LIGO's Big Black Holes?. <i>Astrophysical Journal Letters</i> , 2017, 851, L25. | 8.3 | 160 |
| 36 | Gravitational Wave Emission from Core Collapse of Massive Stars. <i>Astrophysical Journal</i> , 2002, 565, 430-446. | 4.5 | 157 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Does the Black Hole Merger Rate Evolve with Redshift?. <i>Astrophysical Journal Letters</i> , 2018, 863, L41. | 8.3 | 157 |
| 38 | How Black Holes Get Their Kicks: Gravitational Radiation Recoil Revisited. <i>Astrophysical Journal</i> , 2004, 607, L5-L8. | 4.5 | 154 |
| 39 | A Standard Siren Measurement of the Hubble Constant from GW170817 without the Electromagnetic Counterpart. <i>Astrophysical Journal Letters</i> , 2019, 871, L13. | 8.3 | 145 |
| 40 | A New Population of High-Redshift Short-Duration Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2007, 664, 1000-1010. | 4.5 | 145 |
| 41 | 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. | 4.5 | 144 |
| 42 | Safety in Numbers: Gravitational Lensing Degradation of the Luminosity Distance-Redshift Relation. <i>Astrophysical Journal</i> , 2005, 631, 678-688. | 4.5 | 134 |
| 43 | GOING THE DISTANCE: MAPPING HOST GALAXIES OF LIGO AND VIRGO SOURCES IN THREE DIMENSIONS USING LOCAL COSMOGRAPHY AND TARGETED FOLLOW-UP. <i>Astrophysical Journal Letters</i> , 2016, 829, L15. | 8.3 | 126 |
| 44 | SYMMETRY WITHOUT SYMMETRY: NUMERICAL SIMULATION OF AXISYMMETRIC SYSTEMS USING CARTESIAN GRIDS. <i>International Journal of Modern Physics D</i> , 2001, 10, 273-289. | 2.1 | 121 |
| 45 | Using Spin to Understand the Formation of LIGO and Virgo's Black Holes. <i>Astrophysical Journal Letters</i> , 2018, 854, L9. | 8.3 | 108 |
| 46 | Nonparametric inference of neutron star composition, equation of state, and maximum mass with GW170817. <i>Physical Review D</i> , 2020, 101, . | 4.7 | 108 |
| 47 | The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. VII. Properties of the Host Galaxy and Constraints on the Merger Timescale. <i>Astrophysical Journal Letters</i> , 2017, 848, L22. | 8.3 | 107 |
| 48 | A Future Percent-level Measurement of the Hubble Expansion at Redshift 0.8 with Advanced LIGO. <i>Astrophysical Journal Letters</i> , 2019, 883, L42. | 8.3 | 106 |
| 49 | The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. VIII. A Comparison to Cosmological Short-duration Gamma-Ray Bursts. <i>Astrophysical Journal Letters</i> , 2017, 848, L23. | 8.3 | 103 |
| 50 | A Precise Distance to the Host Galaxy of the Binary Neutron Star Merger GW170817 Using Surface Brightness Fluctuations. <i>Astrophysical Journal Letters</i> , 2018, 854, L31. | 8.3 | 99 |
| 51 | THE FORMATION AND GRAVITATIONAL-WAVE DETECTION OF MASSIVE STELLAR BLACK HOLE BINARIES. <i>Astrophysical Journal</i> , 2014, 789, 120. | 4.5 | 98 |
| 52 | Cosmological inference using gravitational wave standard sirens: A mock data analysis. <i>Physical Review D</i> , 2020, 101, . | 4.7 | 95 |
| 53 | Reducing the weak lensing noise for the gravitational wave Hubble diagram using the non-Gaussianity of the magnification distribution. <i>Physical Review D</i> , 2010, 81, . | 4.7 | 89 |
| 54 | OUTFLOWING GALACTIC WINDS IN POST-STARBURST AND ACTIVE GALACTIC NUCLEUS HOST GALAXIES AT 0.2 z <math>< i>z</i></math> 0.8. <i>Astrophysical Journal</i> , 2011, 743, 46. | 4.5 | 89 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Limits on the number of spacetime dimensions from GW170817. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 048-048. | 5.4 | 89 |
| 56 | SUPERMASSIVE SEEDS FOR SUPERMASSIVE BLACK HOLES. <i>Astrophysical Journal</i> , 2013, 771, 116. | 4.5 | 88 |
| 57 | The Clustering of Massive Halos. <i>Astrophysical Journal</i> , 2007, 656, 139-147. | 4.5 | 86 |
| 58 | Lensing and High- z Supernova Surveys. <i>Astrophysical Journal</i> , 1998, 506, L1-L5. | 4.5 | 83 |
| 59 | LOCALIZING COMPACT BINARY INSPIRALS ON THE SKY USING GROUND-BASED GRAVITATIONAL WAVE INTERFEROMETERS. <i>Astrophysical Journal</i> , 2011, 739, 99. | 4.5 | 81 |
| 60 | Minding the Gap: GW190521 as a Straddling Binary. <i>Astrophysical Journal Letters</i> , 2020, 904, L26. | 8.3 | 77 |
| 61 | SEEING THE FIRST SUPERNOVAE AT THE EDGE OF THE UNIVERSE WITH <i>JWST</i> . <i>Astrophysical Journal Letters</i> , 2013, 762, L6. | 8.3 | 74 |
| 62 | FINDING THE FIRST COSMIC EXPLOSIONS. I. PAIR-INSTABILITY SUPERNOVAE. <i>Astrophysical Journal</i> , 2013, 777, 110. | 4.5 | 74 |
| 63 | A Statistical Standard Siren Measurement of the Hubble Constant from the LIGO/Virgo Gravitational Wave Compact Object Merger GW190814 and Dark Energy Survey Galaxies. <i>Astrophysical Journal Letters</i> , 2020, 900, L33. | 8.3 | 74 |
| 64 | Direct astrophysical tests of chiral effective field theory at supranuclear densities. <i>Physical Review C</i> , 2020, 102, . | 2.9 | 73 |
| 65 | Standard sirens with a running Planck mass. <i>Physical Review D</i> , 2019, 99, . | 4.7 | 71 |
| 66 | Black Hole Coagulation: Modeling Hierarchical Mergers in Black Hole Populations. <i>Astrophysical Journal</i> , 2020, 893, 35. | 4.5 | 66 |
| 67 | A Universal Probability Distribution Function for Weak-lensing Amplification. <i>Astrophysical Journal</i> , 2002, 572, L15-L18. | 4.5 | 66 |
| 68 | No evidence for dark energy dynamics from a global analysis of cosmological data. <i>Physical Review D</i> , 2009, 80, . | 4.7 | 65 |
| 69 | Explaining LIGO's observations via isolated binary evolution with natal kicks. <i>Physical Review D</i> , 2018, 97, . | 4.7 | 65 |
| 70 | Distance measures in gravitational-wave astrophysics and cosmology. <i>Classical and Quantum Gravity</i> , 2021, 38, 055010. | 4.0 | 62 |
| 71 | How Many Kilonovae Can Be Found in Past, Present, and Future Survey Data Sets?. <i>Astrophysical Journal Letters</i> , 2018, 852, L3. | 8.3 | 60 |
| 72 | Impact of inter-correlated initial binary parameters on double black hole and neutron star mergers. <i>Astronomy and Astrophysics</i> , 2018, 619, A77. | 5.1 | 59 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | The Most Massive Binary Black Hole Detections and the Identification of Population Outliers. <i>Astrophysical Journal Letters</i> , 2020, 891, L31. | 8.3 | 57 |
| 74 | Retro-MACHOs: ¿ in the Sky?. <i>Astrophysical Journal</i> , 2002, 578, 330-334. | 4.5 | 53 |
| 75 | Phase effects from strong gravitational lensing of gravitational waves. <i>Physical Review D</i> , 2021, 103, . | 4.7 | 53 |
| 76 | 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. | 4.5 | 52 |
| 77 | NEUTRON STARS VERSUS BLACK HOLES: PROBING THE MASS GAP WITH LIGO/VIRGO. <i>Astrophysical Journal Letters</i> , 2015, 807, L24. | 8.3 | 51 |
| 78 | Shouts and Murmurs: Combining Individual Gravitational-wave Sources with the Stochastic Background to Measure the History of Binary Black Hole Mergers. <i>Astrophysical Journal Letters</i> , 2020, 896, L32. | 8.3 | 51 |
| 79 | Seeing Double: Strong Gravitational Lensing of High-Redshift Supernovae. <i>Astrophysical Journal</i> , 2001, 556, L71-L74. | 4.5 | 50 |
| 80 | Picky Partners: The Pairing of Component Masses in Binary Black Hole Mergers. <i>Astrophysical Journal Letters</i> , 2020, 891, L27. | 8.3 | 50 |
| 81 | Photon Statistics Limits for Earth-based Parallax Measurements of Events. <i>Astrophysical Journal</i> , 1996, 471, 64-67. | 4.5 | 50 |
| 82 | EVIDENCE FOR TYPE Ia SUPERNOVA DIVERSITY FROM ULTRAVIOLET OBSERVATIONS WITH THE HUBBLE SPACE TELESCOPE. <i>Astrophysical Journal</i> , 2012, 749, 126. | 4.5 | 49 |
| 83 | Gravitational Waves from Stellar Collapse: Correlations to Explosion Asymmetries. <i>Astrophysical Journal</i> , 2004, 609, 288-300. | 4.5 | 48 |
| 84 | When Are LIGO/Virgo's Big Black Hole Mergers?. <i>Astrophysical Journal</i> , 2021, 912, 98. | 4.5 | 48 |
| 85 | Jumping the Gap: Searching for LIGO's Biggest Black Holes. <i>Astrophysical Journal Letters</i> , 2021, 909, L23. | 8.3 | 47 |
| 86 | Corrective Lenses for High-Redshift Supernovae. <i>Astrophysical Journal</i> , 2003, 585, L11-L14. | 4.5 | 46 |
| 87 | FINDING THE FIRST COSMIC EXPLOSIONS. II. CORE-COLLAPSE SUPERNOVAE. <i>Astrophysical Journal</i> , 2013, 768, 95. | 4.5 | 42 |
| 88 | SUPPLEMENT: ¿GOING THE DISTANCE: MAPPING HOST GALAXIES OF LIGO AND VIRGO SOURCES IN THREE DIMENSIONS USING LOCAL COSMOGRAPHY AND TARGETED FOLLOW-UP¿ (2016, <i>ApJL</i> , 829, L15). <i>Astrophysical Journal</i> , Supplement Series, 2016, 226, 10. | 7.7 | 41 |
| 89 | Cosmology with coalescing massive black holes. <i>Classical and Quantum Gravity</i> , 2003, 20, S65-S72. | 4.0 | 40 |
| 90 | Narrowing constraints with type Ia supernovae: converging on a cosmological constant. <i>Journal of Cosmology and Astroparticle Physics</i> , 2007, 2007, 004-004. | 5.4 | 39 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | ILLUMINATING THE PRIMEVAL UNIVERSE WITH TYPE II _n SUPERNOVAE. <i>Astrophysical Journal</i> , 2013, 768, 195. | 4.5 | 39 |
| 92 | A DECAM SEARCH FOR AN OPTICAL COUNTERPART TO THE LIGO GRAVITATIONAL-WAVE EVENT GW151226. <i>Astrophysical Journal Letters</i> , 2016, 826, L29. | 8.3 | 38 |
| 93 | Does Matter Matter? Using the Mass Distribution to Distinguish Neutron Stars and Black Holes. <i>Astrophysical Journal Letters</i> , 2020, 899, L8. | 8.3 | 38 |
| 94 | Cosmology from Supernova Magnification Maps. <i>Astrophysical Journal</i> , 2006, 637, L77-L80. | 4.5 | 37 |
| 95 | The Origin of Inequality: Isolated Formation of a $30+10 M_{\odot}$ Binary Black Hole Merger. <i>Astrophysical Journal Letters</i> , 2020, 901, L39. | 8.3 | 37 |
| 96 | Gamma-Ray-Burst Beaming and Gravitational-Wave Observations. <i>Physical Review Letters</i> , 2013, 111, 181101. | 7.8 | 36 |
| 97 | Lensing and Supernovae: Quantifying the Bias on the Dark Energy Equation of State. <i>Astrophysical Journal</i> , 2008, 678, 1-5. | 4.5 | 36 |
| 98 | ON THE ORIGIN OF THE HIGHEST REDSHIFT GAMMA-RAY BURSTS. <i>Astrophysical Journal</i> , 2010, 708, 117-126. | 4.5 | 35 |
| 99 | Measuring dark energy spatial inhomogeneity with supernova data. <i>Journal of Cosmology and Astroparticle Physics</i> , 2010, 2010, 015-015. | 5.4 | 34 |
| 100 | A Search for Kilonovae in the Dark Energy Survey. <i>Astrophysical Journal</i> , 2017, 837, 57. | 4.5 | 34 |
| 101 | Hydrostatic Expansion and Spin Changes during Type I α Ray Bursts. <i>Astrophysical Journal</i> , 2002, 564, 343-352. | 4.5 | 33 |
| 102 | Beyond Two Dark Energy Parameters. <i>Physical Review Letters</i> , 2008, 100, 241302. | 7.8 | 31 |
| 103 | Problems with Small Area Surveys: Lensing Covariance of Supernova Distance Measurements. <i>Physical Review Letters</i> , 2006, 96, 021301. | 7.8 | 28 |
| 104 | Constraints on the Physical Properties of GW190814 through Simulations Based on DECam Follow-up Observations by the Dark Energy Survey. <i>Astrophysical Journal</i> , 2020, 901, 83. | 4.5 | 28 |
| 105 | THE MOST MASSIVE OBJECTS IN THE UNIVERSE. <i>Astrophysical Journal Letters</i> , 2012, 755, L36. | 8.3 | 27 |
| 106 | Cosmological impact of future constraints on H_0 from gravitational-wave standard sirens. <i>Physical Review D</i> , 2018, 98, . | 4.7 | 26 |
| 107 | Please Repeat: Strong Lensing of Gravitational Waves as a Probe of Compact Binary and Galaxy Populations. <i>Astrophysical Journal</i> , 2022, 929, 9. | 4.5 | 26 |
| 108 | Bridging the Gap: Categorizing Gravitational-wave Events at the Transition between Neutron Stars and Black Holes. <i>Astrophysical Journal</i> , 2022, 931, 108. | 4.5 | 25 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | Direct reconstruction of the dark energy scalar-field potential. <i>Physical Review D</i> , 2007, 75, . | 4.7 | 23 |
| 110 | Weak lensing and dark energy: The impact of dark energy on nonlinear dark matter clustering. <i>Physical Review D</i> , 2009, 80, . | 4.7 | 23 |
| 111 | Spin dynamics of the LAGEOS satellite in support of a measurement of the Earth's gravitomagnetism. <i>Physical Review D</i> , 1994, 50, 6068-6079. | 4.7 | 21 |
| 112 | Target-of-opportunity Observations of Gravitational-wave Events with Vera C. Rubin Observatory. <i>Astrophysical Journal, Supplement Series</i> , 2022, 260, 18. | 7.7 | 21 |
| 113 | Cosmology with Love: Measuring the Hubble constant using neutron star universal relations. <i>Physical Review D</i> , 2021, 104, . | 4.7 | 20 |
| 114 | First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. <i>Progress of Theoretical and Experimental Physics</i> , 2022, 2022, . | 6.6 | 20 |
| 115 | Black Hole Leftovers: The Remnant Population from Binary Black Hole Mergers. <i>Astrophysical Journal Letters</i> , 2021, 914, L18. | 8.3 | 19 |
| 116 | The Gravity Collective: A Search for the Electromagnetic Counterpart to the Neutron Star's Black Hole Merger GW190814. <i>Astrophysical Journal</i> , 2021, 923, 258. | 4.5 | 19 |
| 117 | CMB cluster lensing: Cosmography with the longest lever arm. <i>Physical Review D</i> , 2007, 76, . | 4.7 | 18 |
| 118 | The Binary's Host Connection: Astrophysics of Gravitational-Wave Binaries from Host Galaxy Properties. <i>Astrophysical Journal</i> , 2020, 905, 21. | 4.5 | 17 |
| 119 | On the remarkable spectrum of a non-Hermitian random matrix model. <i>Journal of Physics A</i> , 2003, 36, 3385-3400. | 1.6 | 16 |
| 120 | Probing Extremal Gravitational-wave Events with Coarse-grained Likelihoods. <i>Astrophysical Journal</i> , 2022, 926, 34. | 4.5 | 15 |
| 121 | Constant crunch coordinates for black hole simulations. <i>Physical Review D</i> , 2001, 63, . | 4.7 | 14 |
| 122 | A Search for Optical Emission from Binary Black Hole Merger GW170814 with the Dark Energy Camera. <i>Astrophysical Journal Letters</i> , 2019, 873, L24. | 8.3 | 14 |
| 123 | Gravitational Lensing Limits on the Average Redshift of Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 1999, 510, 54-63. | 4.5 | 13 |
| 124 | Close Pairs as Proxies for Galaxy Cluster Mergers. <i>Astrophysical Journal</i> , 2008, 683, 1-11. | 4.5 | 13 |
| 125 | Facilitating Follow-up of LIGO's Virgo Events Using Rapid Sky Localization. <i>Astrophysical Journal</i> , 2017, 840, 88. | 4.5 | 13 |
| 126 | Implications of Two Type Ia Supernova Populations for Cosmological Measurements. <i>Astrophysical Journal</i> , 2008, 684, L13-L16. | 4.5 | 12 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 127 | Counting on Short Gamma-Ray Bursts: Gravitational-wave Constraints of Jet Geometry. <i>Astrophysical Journal</i> , 2020, 895, 108. | 4.5 | 12 |
| 128 | Apparent horizons in simplicial Brill wave initial data. <i>Classical and Quantum Gravity</i> , 1999, 16, 1979-1985. | 4.0 | 11 |
| 129 | Calibrating gravitational-wave detectors with GW170817. <i>Classical and Quantum Gravity</i> , 2019, 36, 125002. | 4.0 | 9 |
| 130 | SOAR/Goodman Spectroscopic Assessment of Candidate Counterparts of the LIGO/Virgo Event GW190814*. <i>Astrophysical Journal</i> , 2022, 929, 115. | 4.5 | 9 |
| 131 | THE ISSUE OF TIME EVOLUTION IN QUANTUM GRAVITY. <i>International Journal of Modern Physics A</i> , 1996, 11, 2977-3002. | 1.5 | 4 |
| 132 | Stellar Collapse and Gravitational Waves. <i>Astrophysics and Space Science Library</i> , 2004, , 373-402. | 2.7 | 4 |
| 133 | Measuring cosmic distances with standard sirens. <i>Physics Today</i> , 2018, 71, 34-40. | 0.3 | 2 |
| 134 | Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. , 2018, 21, 1. | | 2 |
| 135 | Shedding light on dark matter. <i>Nature</i> , 1999, 400, 819-820. | 27.8 | 1 |
| 136 | An Accelerated History of the Universe. <i>AIP Conference Proceedings</i> , 2006, , . | 0.4 | 1 |
| 137 | Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. , 2016, 19, 1. | | 1 |
| 138 | Gravitational waves from core collapse. , 2003, , . | | 0 |
| 139 | B2(II): COSMOLOGY (II). LATE UNIVERSE AND GRAVITATIONAL LENSES. , 2005, , . | | 0 |
| 140 | C7 multi-messenger astronomy of GW sources. <i>General Relativity and Gravitation</i> , 2014, 46, 1. | 2.0 | 0 |