

GW170817: Observation of Gravitational Waves from a B

Physical Review Letters

119, 161101

DOI: [10.1103/physrevlett.119.161101](https://doi.org/10.1103/physrevlett.119.161101)

Citation Report

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Optical observations of LIGO source GW 170817 by the Antarctic Survey Telescopes at Dome A, Antarctica. <i>Science Bulletin</i> , 2017, 62, 1433-1438. | 4.3 | 69 |
| 2 | The X-ray counterpart to the gravitational-wave event GW170817. <i>Nature</i> , 2017, 551, 71-74. | 13.7 | 627 |
| 3 | Optical emission from a kilonova following a gravitational-wave-detected neutron-star merger. <i>Nature</i> , 2017, 551, 64-66. | 13.7 | 417 |
| 4 | Spectroscopic identification of r-process nucleosynthesis in a double neutron-star merger. <i>Nature</i> , 2017, 551, 67-70. | 13.7 | 715 |
| 5 | A kilonova as the electromagnetic counterpart to a gravitational-wave source. <i>Nature</i> , 2017, 551, 75-79. | 13.7 | 601 |
| 6 | Origin of the heavy elements in binary neutron-star mergers from a gravitational-wave event. <i>Nature</i> , 2017, 551, 80-84. | 13.7 | 814 |
| 7 | A gravitational-wave standard siren measurement of the Hubble constant. <i>Nature</i> , 2017, 551, 85-88. | 13.7 | 674 |
| 8 | The unpolarized macronova associated with the gravitational wave event GW 170817. <i>Nature Astronomy</i> , 2017, 1, 791-794. | 4.2 | 75 |
| 9 | Illuminating gravitational waves: A concordant picture of photons from a neutron star merger. <i>Science</i> , 2017, 358, 1559-1565. | 6.0 | 559 |
| 10 | <i>Swift</i> and <i>NuSTAR</i> observations of GW170817: Detection of a blue kilonova. <i>Science</i> , 2017, 358, 1565-1570. | 6.0 | 399 |
| 11 | A radio counterpart to a neutron star merger. <i>Science</i> , 2017, 358, 1579-1583. | 6.0 | 390 |
| 12 | Light curves of the neutron star merger GW170817/SSS17a: Implications for r-process nucleosynthesis. <i>Science</i> , 2017, 358, 1570-1574. | 6.0 | 517 |
| 13 | A cosmic multimessenger gold rush. <i>Science</i> , 2017, 358, 301-302. | 6.0 | 4 |
| 14 | A Deep Chandra X-Ray Study of Neutron Star Coalescence GW170817. <i>Astrophysical Journal Letters</i> , 2017, 848, L25. | 3.0 | 195 |
| 15 | INTEGRAL Detection of the First Prompt Gamma-Ray Signal Coincident with the Gravitational-wave Event GW170817. <i>Astrophysical Journal Letters</i> , 2017, 848, L15. | 3.0 | 647 |
| 16 | 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. | 3.0 | 656 |
| 17 | The Rapid Reddening and Featureless Optical Spectra of the Optical Counterpart of GW170817, AT 2017gfo, during the First Four Days. <i>Astrophysical Journal Letters</i> , 2017, 848, L32. | 3.0 | 129 |
| 18 | Multi-messenger Observations of a Binary Neutron Star Merger [*] . <i>Astrophysical Journal Letters</i> , 2017, 848, L12. | 3.0 | 2,805 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Gravitational Waves and Gamma-Rays from a Binary Neutron Star Merger: GW170817 and GRB 170817A. <i>Astrophysical Journal Letters</i> , 2017, 848, L13. | 3.0 | 2,314 |
| 20 | 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. | 3.0 | 327 |
| 21 | 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. | 3.0 | 390 |
| 22 | 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. | 3.0 | 313 |
| 23 | A Neutron Star Binary Merger Model for GW170817/GRB 170817A/SSS17a. <i>Astrophysical Journal Letters</i> , 2017, 848, L34. | 3.0 | 101 |
| 24 | 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. | 3.0 | 103 |
| 25 | 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. | 3.0 | 107 |
| 26 | 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. | 3.0 | 392 |
| 27 | 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. | 3.0 | 266 |
| 28 | The Environment of the Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , 2017, 848, L28. | 3.0 | 114 |
| 29 | The Distance to NGC 4993: The Host Galaxy of the Gravitational-wave Event GW170817. <i>Astrophysical Journal Letters</i> , 2017, 848, L31. | 3.0 | 100 |
| 30 | Electron Capture Supernovae from Close Binary Systems. <i>Astrophysical Journal</i> , 2017, 850, 197. | 1.6 | 35 |
| 31 | Search for Post-merger Gravitational Waves from the Remnant of the Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , 2017, 851, L16. | 3.0 | 189 |
| 32 | Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated with GW170817. <i>Astrophysical Journal Letters</i> , 2017, 850, L39. | 3.0 | 156 |
| 33 | Measuring the neutron star compactness and binding energy with supernova neutrinos. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 036-036. | 1.9 | 18 |
| 34 | AT 2017gfo: An Anisotropic and Three-component Kilonova Counterpart of GW170817. <i>Astrophysical Journal Letters</i> , 2017, 850, L37. | 3.0 | 199 |
| 35 | Three-Dimensional General-Relativistic Magnetohydrodynamic Simulations of Remnant Accretion Disks from Neutron Star Mergers: Outflows and r -Process Nucleosynthesis. <i>Physical Review Letters</i> , 2017, 119, 231102. | 2.9 | 225 |
| 37 | Polarization-Based Tests of Gravity with the Stochastic Gravitational-Wave Background. <i>Physical Review X</i> , 2017, 7, . | 2.8 | 65 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 38 | ALMA and GMRT Constraints on the Off-axis Gamma-Ray Burst 170817A from the Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , 2017, 850, L21. | 3.0 | 49 |
| 39 | TeV Gamma-Ray Observations of the Binary Neutron Star Merger GW170817 with H.E.S.S.. <i>Astrophysical Journal Letters</i> , 2017, 850, L22. | 3.0 | 38 |
| 40 | Distance and Properties of NGC 4993 as the Host Galaxy of the Gravitational-wave Source GW170817. <i>Astrophysical Journal Letters</i> , 2017, 849, L16. | 3.0 | 59 |
| 41 | Multimessenger tests of the weak equivalence principle from GW170817 and its electromagnetic counterparts. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 035-035. | 1.9 | 33 |
| 42 | AGILE Observations of the Gravitational-wave Source GW170817: Constraining Gamma-Ray Emission from an NS-NS Coalescence. <i>Astrophysical Journal Letters</i> , 2017, 850, L27. | 3.0 | 20 |
| 43 | Neutron-star Radius Constraints from GW170817 and Future Detections. <i>Astrophysical Journal Letters</i> , 2017, 850, L34. | 3.0 | 469 |
| 44 | Search for High-energy Neutrinos from Binary Neutron Star Merger GW170817 with ANTARES, IceCube, and the Pierre Auger Observatory. <i>Astrophysical Journal Letters</i> , 2017, 850, L35. | 3.0 | 135 |
| 45 | Polarization modes of gravitational wave for viable $f(R)$ models. <i>Astrophysics and Space Science</i> , 2017, 362, 1. | 0.5 | 11 |
| 46 | Modeling differential rotations of compact stars in equilibriums. <i>Physical Review D</i> , 2017, 96, . | 1.6 | 29 |
| 47 | Constraining the Maximum Mass of Neutron Stars from Multi-messenger Observations of GW170817. <i>Astrophysical Journal Letters</i> , 2017, 850, L19. | 3.0 | 631 |
| 48 | MASTER Optical Detection of the First LIGO/Virgo Neutron Star Binary Merger GW170817. <i>Astrophysical Journal Letters</i> , 2017, 850, L1. | 3.0 | 199 |
| 49 | Evidence for Dynamically Driven Formation of the GW170817 Neutron Star Binary in NGC 4993. <i>Astrophysical Journal Letters</i> , 2017, 849, L34. | 3.0 | 49 |
| 50 | Lanthanides or Dust in Kilonovae: Lessons Learned from GW170817. <i>Astrophysical Journal Letters</i> , 2017, 849, L19. | 3.0 | 22 |
| 52 | An Empirical Limit on the Kilonova Rate from the DLT40 One Day Cadence Supernova Survey. <i>Astrophysical Journal Letters</i> , 2017, 851, L48. | 3.0 | 30 |
| 53 | Lagrangian theory of structure formation in relativistic cosmology. IV. Lagrangian approach to gravitational waves. <i>Physical Review D</i> , 2017, 96, . | 1.6 | 12 |
| 54 | Recent searches for continuous gravitational waves. <i>Modern Physics Letters A</i> , 2017, 32, 1730035. | 0.5 | 108 |
| 55 | Enrichment in r-process Elements from Multiple Distinct Events in the Early Draco Dwarf Spheroidal Galaxy. <i>Astrophysical Journal Letters</i> , 2017, 850, L12. | 3.0 | 34 |
| 56 | Strong Constraints on Cosmological Gravity from GW170817 and GRB 170817A. <i>Physical Review Letters</i> , 2017, 119, 251301. | 2.9 | 594 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 57 | Dark Energy after GW170817 and GRB170817A. <i>Physical Review Letters</i> , 2017, 119, 251302. | 2.9 | 586 |
| 58 | Implications of the Neutron Star Merger GW170817 for Cosmological Scalar-Tensor Theories. <i>Physical Review Letters</i> , 2017, 119, 251303. | 2.9 | 554 |
| 59 | Dark Energy After GW170817: Dead Ends and the Road Ahead. <i>Physical Review Letters</i> , 2017, 119, 251304. | 2.9 | 699 |
| 60 | Lessons from the Short GRB 170817A: The First Gravitational-wave Detection of a Binary Neutron Star Merger. <i>Astrophysical Journal Letters</i> , 2017, 850, L24. | 3.0 | 82 |
| 61 | GRB 111005A at $\langle i \rangle = 0.0133$ and the Prospect of Establishing Long-Short GRB/GW Association. <i>Astrophysical Journal Letters</i> , 2017, 851, L20. | 3.0 | 7 |
| 62 | The GW170817/GRB 170817A/AT 2017gfo Association: Some Implications for Physics and Astrophysics. <i>Astrophysical Journal Letters</i> , 2017, 851, L18. | 3.0 | 50 |
| 63 | Spline based search method for unmodeled transient gravitational wave chirps. <i>Physical Review D</i> , 2017, 96, . | 1.6 | 4 |
| 64 | Gravitational wave signatures of highly compact boson star binaries. <i>Physical Review D</i> , 2017, 96, . | 1.6 | 109 |
| 65 | $\langle m \rangle$ -process nucleosynthesis from matter ejected in binary neutron star mergers. <i>Physical Review D</i> , 2017, 96, . | 1.6 | 132 |
| 66 | On the Progenitor of Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , 2017, 850, L40. | 3.0 | 73 |
| 67 | GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. <i>Astrophysical Journal Letters</i> , 2017, 851, L35. | 3.0 | 968 |
| 68 | Modeling GW170817 based on numerical relativity and its implications. <i>Physical Review D</i> , 2017, 96, . | 1.6 | 355 |
| 69 | The Combined Ultraviolet, Optical, and Near-infrared Light Curves of the Kilonova Associated with the Binary Neutron Star Merger GW170817: Unified Data Set, Analytic Models, and Physical Implications. <i>Astrophysical Journal Letters</i> , 2017, 851, L21. | 3.0 | 369 |
| 70 | Reining in Alternative Gravity. <i>Physics Magazine</i> , 2017, 10, . | 0.1 | 1 |
| 71 | Mixed phase within the multi-polytrope approach to high-mass twins. <i>Astronomische Nachrichten</i> , 2017, 338, 1048-1051. | 0.6 | 6 |
| 72 | Low frequency electromagnetic radiation from gravitational waves generated by neutron stars. <i>Physical Review D</i> , 2017, 96, . | 1.6 | 6 |
| 73 | Inferring the post-merger gravitational wave emission from binary neutron star coalescences. <i>Physical Review D</i> , 2017, 96, . | 1.6 | 84 |
| 74 | Space gravitational wave antenna DECIGO and B-DECIGO. <i>CEAS Space Journal</i> , 2017, 9, 371-377. | 1.1 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 75 | Improved Constraints on H_0 from a Combined Analysis of Gravitational-wave and Electromagnetic Emission from GW170817. <i>Astrophysical Journal Letters</i> , 2017, 851, L36. | 3.0 | 85 |
| 76 | Afterglows and Kilonovae Associated with Nearby Low-luminosity Short-duration Gamma-Ray Bursts: Application to GW170817/GRB 170817A. <i>Astrophysical Journal Letters</i> , 2017, 850, L41. | 3.0 | 31 |
| 77 | A More Stringent Constraint on the Mass Ratio of Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , 2017, 851, L45. | 3.0 | 23 |
| 78 | Testing the Viewing Angle Hypothesis for Short GRBs with LIGO Events. <i>Astrophysical Journal Letters</i> , 2017, 851, L32. | 3.0 | 5 |
| 79 | The Contribution of Outer H I Disks to the Merging Binary Black Hole Population. <i>Astrophysical Journal Letters</i> , 2017, 850, L4. | 3.0 | 8 |
| 80 | Two kinds of waves from a neutron-star smashup. <i>Physics Today</i> , 2017, 70, 19-21. | 0.3 | 8 |
| 81 | Pulsar J1411+2551: A Low-mass Double Neutron Star System. <i>Astrophysical Journal Letters</i> , 2017, 851, L29. | 3.0 | 50 |
| 82 | Imprints of neutrino-pair flavor conversions on nucleosynthesis in ejecta from neutron-star merger remnants. <i>Physical Review D</i> , 2017, 96, . | 1.6 | 74 |
| 83 | Neutron Star Merger Seen and Heard. <i>Physics Magazine</i> , 2017, 10, . | 0.1 | 0 |
| 84 | Background Rejection using Convolutional Neural Networks. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 37-39. | 0.0 | 0 |
| 85 | Slewing mirror telescope of the UFFO-pathfinder: first report on performance in space. <i>Optics Express</i> , 2017, 25, 29143. | 1.7 | 4 |
| 86 | J-GEM observations of an electromagnetic counterpart to the neutron star merger GW170817. <i>Publication of the Astronomical Society of Japan</i> , 2017, 69, . | 1.0 | 155 |
| 88 | Kilonova from post-merger ejecta as an optical and near-Infrared counterpart of GW170817. <i>Publication of the Astronomical Society of Japan</i> , 2017, 69, . | 1.0 | 203 |
| 89 | Search for Deeply Bound Kaonic Nuclear States with AMADEUS. <i>EPJ Web of Conferences</i> , 2017, 165, 01046. | 0.1 | 0 |
| 90 | Ther-process nucleosynthesis and related challenges. <i>EPJ Web of Conferences</i> , 2017, 165, 01025. | 0.1 | 0 |
| 91 | Reanalysis of LIGO black-hole coalescences with alternative prior assumptions. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 22-28. | 0.0 | 2 |
| 92 | Merging massive black holes the right place and the right time. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 40-45. | 0.0 | 0 |
| 93 | Gravitational wave optical counterpart searching based on GRAWITA and DLT40 project during LIGO O2 run. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 9-13. | 0.0 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 94 | Observations of GW170817 by DESGW and the DECam GW-EM Collaboration. Proceedings of the International Astronomical Union, 2017, 13, 72-79. | 0.0 | 0 |
| 95 | Cosmology with Gravitational Waves in DES and LSST. Proceedings of the International Astronomical Union, 2017, 13, 65-71. | 0.0 | 0 |
| 96 | Improvements in Gravitational-wave Sky Localization with Expanded Networks of Interferometers. Astrophysical Journal Letters, 2018, 854, L25. | 3.0 | 15 |
| 97 | PALFA Discovery of a Highly Relativistic Double Neutron Star Binary. Astrophysical Journal Letters, 2018, 854, L22. | 3.0 | 119 |
| 98 | Nuclear dynamics and particle production near threshold energies in heavy-ion collisions. Nuclear Science and Techniques/Hewuli, 2018, 29, 1. | 1.3 | 60 |
| 99 | Non-Abelian S -term dark energy and inflation. Physics of the Dark Universe, 2018, 19, 129-136. | 1.8 | 26 |
| 100 | Compact binary merger and kilonova: outflows from remnant disc. Monthly Notices of the Royal Astronomical Society, 2018, 476, 683-689. | 1.6 | 4 |
| 101 | Double inflation as a single origin of primordial black holes for all dark matter and LIGO observations. Physical Review D, 2018, 97, . | 1.6 | 116 |
| 102 | Ambiguity-free completion of the equations of motion of compact binary systems at the fourth post-Newtonian order. Physical Review D, 2018, 97, . | 1.6 | 84 |
| 103 | Gravitational waves from orbiting binaries without general relativity. American Journal of Physics, 2018, 86, 186-197. | 0.3 | 13 |
| 104 | Classifying GRB 170817A/GW170817 in a Fermi duration-hardness plane. Astrophysics and Space Science, 2018, 363, 1. | 0.5 | 19 |
| 105 | Astronomical Distance Determination in the Space Age. Space Science Reviews, 2018, 214, 1. | 3.7 | 24 |
| 106 | Neutrino propagation in binary neutron star mergers in presence of nonstandard interactions. Physical Review D, 2018, 97, . | 1.6 | 11 |
| 107 | Parametrized tests of the strong-field dynamics of general relativity using gravitational wave signals from coalescing binary black holes: Fast likelihood calculations and sensitivity of the method. Physical Review D, 2018, 97, . | 1.6 | 40 |
| 108 | Frequency-domain gravitational waveform models for inspiraling binary neutron stars. Physical Review D, 2018, 97, . | 1.6 | 51 |
| 109 | Average CsI Neutron Density Distribution from COHERENT Data. Physical Review Letters, 2018, 120, 072501. | 2.9 | 84 |
| 110 | Bright Merger-nova Emission Powered by Magnetic Wind from a Newborn Black Hole. Astrophysical Journal Letters, 2018, 852, L5. | 3.0 | 25 |
| 111 | Signatures of graviton masses on the CMB. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 008-008. | 1.9 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 112 | The High Time Resolution Universe Pulsar Survey â€“ XIII. PSR J1757âˆ’1854, the most accelerated binary pulsar. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 475, L57-L61. | 1.2 | 79 |
| 113 | The gravitational wave stressâ€“energy (pseudo)-tensor in modified gravity. Classical and Quantum Gravity, 2018, 35, 055011. | 1.5 | 14 |
| 114 | Effect of elevated substrate temperature deposition on the mechanical losses in tantala thin film coatings. Classical and Quantum Gravity, 2018, 35, 075001. | 1.5 | 26 |
| 115 | First cosmological constraints combining Planck with the recent gravitational-wave standard siren measurement of the Hubble constant. Physical Review D, 2018, 97, . | 1.6 | 19 |
| 116 | High-energy emission from gamma-ray bursts. International Journal of Modern Physics D, 2018, 27, 1842003. | 0.9 | 36 |
| 117 | Deep neural networks to enable real-time multimessenger astrophysics. Physical Review D, 2018, 97, . | 1.6 | 166 |
| 118 | Gravitational waves from neutron star excitations in a binary inspiral. Physical Review D, 2018, 97, . | 1.6 | 13 |
| 119 | Merging strangeon stars. Research in Astronomy and Astrophysics, 2018, 18, 024. | 0.7 | 31 |
| 120 | Dispersion of gravitational waves in cold spherical interstellar medium. International Journal of Modern Physics D, 2018, 27, 1850040. | 0.9 | 7 |
| 121 | Equation of state for dense nucleonic matter from metamodeling. I. Foundational aspects. Physical Review C, 2018, 97, . | 1.1 | 146 |
| 122 | GW170817: Implications for the Stochastic Gravitational-Wave Background from Compact Binary Coalescences. Physical Review Letters, 2018, 120, 091101. | 2.9 | 166 |
| 123 | Back reaction of the gravitational radiation on the metric of spacetime. International Journal of Modern Physics D, 2018, 27, 1850071. | 0.9 | 0 |
| 124 | Accuracy of Estimating Highly Eccentric Binary Black Hole Parameters with Gravitational-wave Detections. Astrophysical Journal, 2018, 855, 34. | 1.6 | 46 |
| 125 | H_0 from cosmic chronometers and Type Ia supernovae, with Gaussian Processes and the novel Weighted Polynomial Regression method. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 051-051. | 1.9 | 177 |
| 126 | Constraining the range of Yukawa gravity interaction from S2 star orbits III: improvement expectations for graviton mass bounds. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 050-050. | 1.9 | 37 |
| 127 | First Higher-Multipole Model of Gravitational Waves from Spinning and Coalescing Black-Hole Binaries. Physical Review Letters, 2018, 120, 161102. | 2.9 | 161 |
| 128 | A general theory of linear cosmological perturbations: stability conditions, the quasistatic limit and dynamics. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 021-021. | 1.9 | 35 |
| 129 | The $\hat{\gamma}$ -rays that accompanied GW170817 and the observational signature of a magnetic jet breaking out of NS merger ejecta. Monthly Notices of the Royal Astronomical Society, 2018, 475, 2971-2977. | 1.6 | 79 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 130 | Gravitational entropy and the cosmological no-hair conjecture. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 11 |
| 131 | Implications from GW170817 and I-Love-Q relations for relativistic hybrid stars. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 192 |
| 132 | Gravitational waves in Einstein-Äther and generalized TeVeS theory after GW170817. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 71 |
| 133 | New relativistic effective interaction for finite nuclei, infinite nuclear matter, and neutron stars. <i>Physical Review C</i> , 2018, 97, . | 1.1 | 64 |
| 134 | Neutron star solutions with curvature induced scalarization in the extended Gauss-Bonnet scalar-tensor theories. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 011-011. | 1.9 | 56 |
| 135 | Neutron Skins and Neutron Stars in the Multimessenger Era. <i>Physical Review Letters</i> , 2018, 120, 172702. | 2.9 | 331 |
| 136 | Gravitational-Wave Constraints on the Neutron-Star-Matter Equation of State. <i>Physical Review Letters</i> , 2018, 120, 172703. | 2.9 | 658 |
| 137 | Short gamma-ray burst central engines. <i>International Journal of Modern Physics D</i> , 2018, 27, 1842004. | 0.9 | 25 |
| 138 | Neutron star mergers as sites of r-process nucleosynthesis and short gamma-ray bursts. <i>International Journal of Modern Physics D</i> , 2018, 27, 1842005. | 0.9 | 129 |
| 139 | Scalar Hairy Black Holes in Four Dimensions are Unstable. <i>Physical Review Letters</i> , 2018, 120, 171101. | 2.9 | 35 |
| 140 | Lensing convergence in galaxy clustering in Λ CDM and beyond. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 033-033. | 1.9 | 21 |
| 141 | Repeating and non-repeating fast radio bursts from binary neutron star mergers. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, . | 1.0 | 46 |
| 142 | Gravitational-wave astronomy: delivering on the promises. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170279. | 1.6 | 13 |
| 143 | High-energy astrophysics and the search for sources of gravitational waves. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170294. | 1.6 | 1 |
| 144 | Impact parameter smearing effects on isospin sensitive observables in heavy ion collisions. <i>Physical Review C</i> , 2018, 97, . | 1.1 | 10 |
| 145 | Bondi mass with a cosmological constant. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 11 |
| 146 | Optimal Search for an Astrophysical Gravitational-Wave Background. <i>Physical Review X</i> , 2018, 8, . | 2.8 | 65 |
| 147 | Observational constraints on Gauss-Äther cosmology. <i>International Journal of Modern Physics D</i> , 2018, 27, 1850084. | 0.9 | 46 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 166 | Neutrino astronomy with supernova neutrinos. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 025-025. | 1.9 | 22 |
| 167 | Constraints on Born-Infeld gravity from the speed of gravitational waves after GW170817 and GRB 170817A. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 49 |
| 168 | Prospects for Detecting Gravitational Waves at 5ÂHz with Ground-Based Detectors. <i>Physical Review Letters</i> , 2018, 120, 141102. | 2.9 | 47 |
| 169 | Matching Matched Filtering with Deep Networks for Gravitational-Wave Astronomy. <i>Physical Review Letters</i> , 2018, 120, 141103. | 2.9 | 140 |
| 170 | Measuring the Binary Black Hole Mass Spectrum with an Astrophysically Motivated Parameterization. <i>Astrophysical Journal</i> , 2018, 856, 173. | 1.6 | 154 |
| 171 | Tetraquark candidate Zc(3900) from coupled-channel scattering - how to extract hadronic interactions? -. <i>EPJ Web of Conferences</i> , 2018, 175, 01023. | 0.1 | 0 |
| 172 | Binary neutron star merger rate via the luminosity function of short gamma-ray bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 4275-4284. | 1.6 | 18 |
| 173 | Search for Neutrinos in Super-Kamiokande Associated with the GW170817 Neutron-star Merger. <i>Astrophysical Journal Letters</i> , 2018, 857, L4. | 3.0 | 30 |
| 174 | Solving the relativistic inverse stellar problem through gravitational waves observation of binary neutron stars. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 16 |
| 175 | Post-Newtonian Dynamics in Dense Star Clusters: Highly Eccentric, Highly Spinning, and Repeated Binary Black Hole Mergers. <i>Physical Review Letters</i> , 2018, 120, 151101. | 2.9 | 225 |
| 176 | First Electromagnetic Pulse Associated with a Gravitational-wave Event: Profile, Duration, and Delay. <i>Astrophysical Journal</i> , 2018, 856, 90. | 1.6 | 11 |
| 177 | On the progenitors of Type Ia supernovae. <i>Physics Reports</i> , 2018, 736, 1-23. | 10.3 | 144 |
| 178 | Gravitational lensing of gravitational waves: a statistical perspective. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 2220-2229. | 1.6 | 108 |
| 179 | Atomic Interferometric Gravitational-Wave Space Observatory (AIGSO). <i>Communications in Theoretical Physics</i> , 2018, 69, 37. | 1.1 | 24 |
| 180 | From hadrons to quarks in neutron stars: a review. <i>Reports on Progress in Physics</i> , 2018, 81, 056902. | 8.1 | 437 |
| 181 | Unification of dark matter-dark energy in generalized Galileon theories. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 003-003. | 1.9 | 26 |
| 182 | General theories of linear gravitational perturbations to a Schwarzschild black hole. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 47 |
| 183 | Do photons travel faster than gravitons?. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 035-035. | 1.9 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 184 | Large-scale structure phenomenology of viable Horndeski theories. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 53 |
| 185 | Light propagation in 2PN approximation in the field of one moving monopole I. Initial value problem. <i>Classical and Quantum Gravity</i> , 2018, 35, 055013. | 1.5 | 7 |
| 186 | All-sky search for long-duration gravitational wave transients in the first Advanced LIGO observing run. <i>Classical and Quantum Gravity</i> , 2018, 35, 065009. | 1.5 | 18 |
| 187 | GW170817 falsifies dark matter emulators. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 120 |
| 188 | Nonpolynomial Lagrangian approach to regular black holes. <i>International Journal of Modern Physics D</i> , 2018, 27, 1830002. | 0.9 | 16 |
| 189 | Subsequent Nonthermal Emission Due to the Kilonova Ejecta in GW170817. <i>Astrophysical Journal</i> , 2018, 852, 105. | 1.6 | 4 |
| 190 | Short gamma-ray bursts and gravitational-wave observations from eccentric compact binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 1331-1339. | 1.6 | 10 |
| 191 | Gravitational wave spectroscopy of binary neutron star merger remnants with mode stacking. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 59 |
| 192 | Schumann resonance transients and the search for gravitational waves. <i>Modern Physics Letters A</i> , 2018, 33, 1850023. | 0.5 | 5 |
| 193 | Mapping Ricci-based theories of gravity into general relativity. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 78 |
| 194 | FRB 121102: A Starquake-induced Repeater?. <i>Astrophysical Journal</i> , 2018, 852, 140. | 1.6 | 54 |
| 195 | Electromagnetic Chirps from Neutron Star "Black Hole Mergers. <i>Astrophysical Journal</i> , 2018, 853, 123. | 1.6 | 21 |
| 196 | How Special Is GRB 170817A?. <i>Astrophysical Journal Letters</i> , 2018, 853, L10. | 3.0 | 12 |
| 197 | A peculiar low-luminosity short gamma-ray burst from a double neutron star merger progenitor. <i>Nature Communications</i> , 2018, 9, 447. | 5.8 | 125 |
| 198 | Gamma-ray burst afterglow blast waves. <i>International Journal of Modern Physics D</i> , 2018, 27, 1842002. | 0.9 | 18 |
| 199 | The astrophysical science case for a decihertz gravitational-wave detector. <i>Classical and Quantum Gravity</i> , 2018, 35, 054004. | 1.5 | 38 |
| 200 | Detecting Lorentz Violations with Gravitational Waves From Black Hole Binaries. <i>Physical Review Letters</i> , 2018, 120, . | 2.9 | 19 |
| 201 | Neutron-Star Radius from a Population of Binary Neutron Star Mergers. <i>Physical Review Letters</i> , 2018, 120, 031102. | 2.9 | 83 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 202 | Insight-HXMT observations of the first binary neutron star merger GW170817. <i>Science China: Physics, Mechanics and Astronomy</i> , 2018, 61, 1. | 2.0 | 52 |
| 203 | On the motion of hairy black holes in Einstein-Maxwell-dilaton theories. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 026-026. | 1.9 | 37 |
| 204 | Neutrino transport in black hole-neutron star binaries: Neutrino emission and dynamical mass ejection. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 57 |
| 205 | M/R estimates for two neutron stars in LMXBs with possible r-mode frequencies detected. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 354-358. | 1.6 | 3 |
| 206 | On the phantom barrier crossing and the bounds on the speed of sound in non-minimal derivative coupling theories. <i>Classical and Quantum Gravity</i> , 2018, 35, 075005. | 1.5 | 20 |
| 207 | Gravitational wave as probe of superfluid dark matter. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 25 |
| 208 | The black hole at the Galactic Center: Observations and models. <i>International Journal of Modern Physics D</i> , 2018, 27, 1841009. | 0.9 | 25 |
| 209 | First Search for Nontensorial Gravitational Waves from Known Pulsars. <i>Physical Review Letters</i> , 2018, 120, 031104. | 2.9 | 68 |
| 210 | Gravitational Waves: Physics at the Extreme. <i>European Review</i> , 2018, 26, 90-99. | 0.4 | 1 |
| 211 | Estimation of the gravitational wave polarizations from a nontemplate search. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 7 |
| 212 | Uniformly rotating, axisymmetric, and triaxial quark stars in general relativity. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 12 |
| 213 | Brightening X-Ray Emission from GW170817/GRB 170817A: Further Evidence for an Outflow. <i>Astrophysical Journal Letters</i> , 2018, 853, L4. | 3.0 | 90 |
| 214 | Difference in proton radii of mirror nuclei as a possible surrogate for the neutron skin. <i>Physical Review C</i> , 2018, 97, . | 1.1 | 21 |
| 215 | Viscous Dissipation and Heat Conduction in Binary Neutron-Star Mergers. <i>Physical Review Letters</i> , 2018, 120, 041101. | 2.9 | 107 |
| 216 | Using gravitational-wave data to constrain dynamical tides in neutron star binaries. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 27 |
| 217 | Eccentric, nonspinning, inspiral, Gaussian-process merger approximant for the detection and characterization of eccentric binary black hole mergers. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 100 |
| 218 | The future of gravitational theories in the era of the gravitational wave astronomy. <i>International Journal of Modern Physics D</i> , 2018, 27, 1850060. | 0.9 | 18 |
| 219 | Determining the Lorentz Factor and Viewing Angle of GRB 170817A. <i>Astrophysical Journal Letters</i> , 2018, 852, L1. | 3.0 | 20 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 220 | How Many Kilonovae Can Be Found in Past, Present, and Future Survey Data Sets?. <i>Astrophysical Journal Letters</i> , 2018, 852, L3. | 3.0 | 60 |
| 221 | Quasinormal modes of modified gravity (MOG) black holes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 779, 492-497. | 1.5 | 36 |
| 222 | The promising dawn of multimessenger astronomy. <i>Science Bulletin</i> , 2018, 63, 2-4. | 4.3 | 66 |
| 223 | The Formation Rate of Short Gamma-Ray Bursts and Gravitational Waves. <i>Astrophysical Journal</i> , 2018, 852, 1. | 1.6 | 37 |
| 224 | I-Love-Q relations for neutron stars in dynamical Chern Simons gravity. <i>Classical and Quantum Gravity</i> , 2018, 35, 025009. | 1.5 | 21 |
| 225 | A mildly relativistic wide-angle outflow in the neutron-star merger event GW170817. <i>Nature</i> , 2018, 554, 207-210. | 13.7 | 283 |
| 226 | GW170817, general relativistic magnetohydrodynamic simulations, and the neutron star maximum mass. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 345 |
| 227 | Vainshtein mechanism after GW170817. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 113 |
| 228 | Merger of Two Neutron Stars: Predictions from the Two-families Scenario. <i>Astrophysical Journal Letters</i> , 2018, 852, L32. | 3.0 | 46 |
| 229 | Nucleon effective masses in neutron-rich matter. <i>Progress in Particle and Nuclear Physics</i> , 2018, 99, 29-119. | 5.6 | 141 |
| 230 | Using Gravitational-wave Observations and Quasi-universal Relations to Constrain the Maximum Mass of Neutron Stars. <i>Astrophysical Journal Letters</i> , 2018, 852, L25. | 3.0 | 559 |
| 231 | GW170817: Joint Constraint on the Neutron Star Equation of State from Multimessenger Observations. <i>Astrophysical Journal Letters</i> , 2018, 852, L29. | 3.0 | 436 |
| 232 | Higher-order theories of gravity: diagnosis, extraction and reformulation via non-metric extra degrees of freedom—a review. <i>Reports on Progress in Physics</i> , 2018, 81, 036001. | 8.1 | 19 |
| 233 | Physics Needs Philosophy. Philosophy Needs Physics. <i>Foundations of Physics</i> , 2018, 48, 481-491. | 0.6 | 29 |
| 234 | Characterizing transient noise in the LIGO detectors. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170286. | 1.6 | 49 |
| 235 | Inverse Compton Scattered Merger-nova: Late X-Ray Counterpart of Gravitational-wave Signals from NS-NS/BH Mergers. <i>Astrophysical Journal Letters</i> , 2018, 853, L6. | 3.0 | 0 |
| 236 | Gravitational waves in theories with a non-minimal curvature-matter coupling. <i>European Physical Journal C</i> , 2018, 78, 1. | 1.4 | 53 |
| 237 | Shock Acceleration of Electrons and Synchrotron Emission from the Dynamical Ejecta of Neutron Star Mergers. <i>Astrophysical Journal</i> , 2018, 858, 53. | 1.6 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 238 | Brightening X-Ray/Optical/Radio Emission of GW170817/SGRB 170817A: Evidence for an Electron-Positron Wind from the Central Engine?. <i>Astrophysical Journal Letters</i> , 2018, 856, L33. | 3.0 | 29 |
| 239 | Axial quasinormal modes of static neutron stars in the nonminimal derivative coupling sector of Horndeski gravity: Spectrum and universal relations for realistic equations of state. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 22 |
| 240 | Constraining Alternative Theories of Gravity Using Pulsar Timing Arrays. <i>Physical Review Letters</i> , 2018, 120, 181101. | 2.9 | 30 |
| 241 | Short GRBs: Opening Angles, Local Neutron Star Merger Rate, and Off-axis Events for GRB/GW Association. <i>Astrophysical Journal</i> , 2018, 857, 128. | 1.6 | 92 |
| 242 | Detectability of thermal neutrinos from binary neutron-star mergers and implications for neutrino physics. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 28 |
| 243 | GW170817: The key to the door of multi-messenger astronomy including gravitational waves. <i>Science China: Physics, Mechanics and Astronomy</i> , 2018, 61, 1. | 2.0 | 8 |
| 244 | Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2018, 21, 3. | 8.2 | 808 |
| 245 | Probing cosmic anisotropy with gravitational waves as standard sirens. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 53 |
| 246 | The reconstruction of $f(R)$ and mimetic gravity from viable slow-roll inflation. <i>Nuclear Physics B</i> , 2018, 929, 79-112. | 0.9 | 47 |
| 247 | Prompt emission from the counter jet of a short gamma-ray burst. <i>Progress of Theoretical and Experimental Physics</i> , 2018, 2018, . | 1.8 | 3 |
| 248 | Lagrangian formulation of the general relativistic Poynting-Robertson effect. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 15 |
| 249 | Hong-Ou-Mandel Gravitational Wave Space spectrometer "HOMER" mission. <i>Acta Astronautica</i> , 2018, 147, 364-373. | 1.7 | 1 |
| 250 | Nonlinear effective theory of dark energy. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 061-061. | 1.9 | 38 |
| 251 | Covariant theory of gravitation in the framework of special relativity. <i>European Physical Journal Plus</i> , 2018, 133, 1. | 1.2 | 6 |
| 252 | An Empirical Study of Contamination in Deep, Rapid, and Wide-field Optical Follow-up of Gravitational Wave Events. <i>Astrophysical Journal</i> , 2018, 858, 18. | 1.6 | 10 |
| 253 | Hidden-sector Spectroscopy with Gravitational Waves from Binary Neutron Stars. <i>Astrophysical Journal Letters</i> , 2018, 858, L2. | 3.0 | 32 |
| 254 | Tests of chameleon gravity. <i>Living Reviews in Relativity</i> , 2018, 21, 1. | 8.2 | 232 |
| 255 | Evidence for a maximum mass cut-off in the neutron star mass distribution and constraints on the equation of state. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 1377-1391. | 1.6 | 157 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 256 | Modern astronomy at the Maidanak observatory in Uzbekistan. <i>Nature Astronomy</i> , 2018, 2, 349-351. | 4.2 | 16 |
| 257 | Identification and mitigation of narrow spectral artifacts that degrade searches for persistent gravitational waves in the first two observing runs of Advanced LIGO. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 104 |
| 258 | Gravitational wave searches with pulsar timing arrays: Cancellation of clock and ephemeris noises. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 3 |
| 259 | Numerical relativity in spherical coordinates with the Einstein Toolkit. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 15 |
| 260 | Dark energy scenario consistent with GW170817 in theories beyond Horndeski gravity. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 45 |
| 261 | Radiation-reaction force on a small charged body to second order. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 5 |
| 262 | Hybrid Stars in the Light of GW170817. <i>Astrophysical Journal</i> , 2018, 857, 12. | 1.6 | 77 |
| 263 | Constraints from the time lag between gravitational waves and gamma rays: Implications of GW170817 and GRB 170817A. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 23 |
| 264 | Constraints on interquark interaction parameters with GW170817 in a binary strange star scenario. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 112 |
| 265 | Innermost stable circular orbit of spinning particle in charged spinning black hole background. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 27 |
| 266 | Tidal Deformability from GW170817 as a Direct Probe of the Neutron Star Radius. <i>Astrophysical Journal Letters</i> , 2018, 857, L23. | 3.0 | 191 |
| 267 | Extended I-Love relations for slowly rotating neutron stars. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 16 |
| 268 | Can We Distinguish Low-mass Black Holes in Neutron Star Binaries?. <i>Astrophysical Journal</i> , 2018, 856, 110. | 1.6 | 50 |
| 269 | The 1.5 post-Newtonian radiative quadrupole moment in the context of a nonlocal field theory of gravity. <i>Classical and Quantum Gravity</i> , 2018, 35, 075008. | 1.5 | 5 |
| 270 | $\langle \text{SEN} \rangle_{\text{NRP}}$: Numerical relativity in singular curvilinear coordinate systems. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 38 |
| 271 | Brane-world extra dimensions in light of GW170817. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 94 |
| 272 | Spontaneous Scalarization of Black Holes and Compact Stars from a Gauss-Bonnet Coupling. <i>Physical Review Letters</i> , 2018, 120, 131104. | 2.9 | 391 |
| 273 | Fundamentals of the orbit and response for TianQin. <i>Classical and Quantum Gravity</i> , 2018, 35, 095008. | 1.5 | 76 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 274 | Galactic Effects on Habitability. , 2018, , 1-19. | | 1 |
| 275 | Two peculiar fast transients in a strongly lensed host galaxy. <i>Nature Astronomy</i> , 2018, 2, 324-333. | 4.2 | 36 |
| 276 | Neutron stars: a relativistic study. <i>Research in Astronomy and Astrophysics</i> , 2018, 18, 025. | 0.7 | 7 |
| 277 | Impact of infrasound atmospheric noise on gravity detectors used for astrophysical and geophysical applications. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 41 |
| 278 | Relativistic Astronomy. <i>Astrophysical Journal</i> , 2018, 854, 123. | 1.6 | 6 |
| 279 | Testing Viable $f(T)$ Models with Current Observations. <i>Astrophysical Journal</i> , 2018, 855, 89. | 1.6 | 24 |
| 280 | The Origin of r-process Elements in the Milky Way. <i>Astrophysical Journal</i> , 2018, 855, 99. | 1.6 | 168 |
| 281 | On the Observability of Individual Population III Stars and Their Stellar-mass Black Hole Accretion Disks through Cluster Caustic Transits. <i>Astrophysical Journal, Supplement Series</i> , 2018, 234, 41. | 3.0 | 66 |
| 282 | Supernova and Prompt Gravitational-wave Precursors to LIGO Gravitational-wave Sources and Short GRBs. <i>Astrophysical Journal Letters</i> , 2018, 855, L12. | 3.0 | 8 |
| 283 | Massive neutron stars and \hat{b} -hypernuclei in relativistic mean field models. <i>Chinese Physics C</i> , 2018, 42, 025101. | 1.5 | 21 |
| 284 | Gravitational-Wave Luminosity of Binary Neutron Stars Mergers. <i>Physical Review Letters</i> , 2018, 120, 111101. | 2.9 | 76 |
| 285 | Testing the Formation Scenarios of Binary Neutron Star Systems with Measurements of the Neutron Star Moment of Inertia. <i>Astrophysical Journal</i> , 2018, 856, 19. | 1.6 | 6 |
| 286 | Vector disformal transformation of cosmological perturbations. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 14 |
| 287 | Effect of the cosmological constant on the deflection angle by a rotating cosmic string. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 57 |
| 288 | Localization accuracy of compact binary coalescences detected by the third-generation gravitational-wave detectors and implication for cosmology. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 95 |
| 289 | Where next for the expanding universe?. <i>Astronomy and Geophysics</i> , 2018, 59, 2.39-2.42. | 0.1 | 2 |
| 290 | Probing the fusion of neutron-rich nuclei with re-accelerated radioactive beams. <i>Physical Review C</i> , 2018, 97, . | 1.1 | 10 |
| 291 | Scalar-tensor theories and modified gravity in the wake of GW170817. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 190 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 292 | Fate of Large-Scale Structure in Modified Gravity After GW170817 and GRB170817A. <i>Physical Review Letters</i> , 2018, 120, 131101. | 2.9 | 91 |
| 293 | Constraints on Horndeski theory using the observations of Nordtvedt effect, Shapiro time delay and binary pulsars. <i>European Physical Journal C</i> , 2018, 78, 1. | 1.4 | 28 |
| 294 | Cosmological bound from the neutron star merger GW170817 in scalar-tensor and $F(R)$ gravity theories. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 779, 425-429. | 1.5 | 37 |
| 295 | Outflows from black hole hyperaccretion systems: short and long-short gamma-ray bursts and $\tilde{\text{quasi-supernovae}}^{\text{TM}}$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 2173-2182. | 1.6 | 24 |
| 296 | Geometrical optics for scalar, electromagnetic and gravitational waves on curved spacetime. <i>International Journal of Modern Physics D</i> , 2018, 27, 1843010. | 0.9 | 17 |
| 297 | Exploring short-GRB afterglow parameter space for observations in coincidence with gravitational waves. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 5340-5350. | 1.6 | 9 |
| 298 | Accurate Ray-tracing of Realistic Neutron Star Atmospheres for Constraining Their Parameters. <i>Astrophysical Journal</i> , 2018, 855, 116. | 1.6 | 15 |
| 299 | Twisted gravitational waves. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 6 |
| 300 | One hundred years of the cosmological constant: from $\tilde{\text{superfluous stunt}}$ to dark energy. <i>European Physical Journal H</i> , 2018, 43, 73-117. | 0.5 | 35 |
| 301 | Confronting Models of Massive Star Evolution and Explosions with Remnant Mass Measurements. <i>Astrophysical Journal</i> , 2018, 856, 35. | 1.6 | 42 |
| 302 | Spinning wormholes in scalar-tensor theory. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 24 |
| 303 | The dawn of multi-messenger astronomy. <i>Lettera Matematica</i> , 2018, 6, 9-12. | 0.1 | 0 |
| 304 | Image-based deep learning for classification of noise transients in gravitational wave detectors. <i>Classical and Quantum Gravity</i> , 2018, 35, 095016. | 1.5 | 63 |
| 305 | Do current cosmological observations rule out all covariant Galileons?. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 50 |
| 306 | Double Neutron Star Mergers and Short Gamma-ray Bursts: Long-lasting High-energy Signatures and Remnant Dichotomy. <i>Astrophysical Journal</i> , 2018, 854, 60. | 1.6 | 58 |
| 307 | The r-process Pattern of a Bright, Highly r-process-enhanced Metal-poor Halo Star at $[Fe/H] \hat{=} \hat{=}^{-1.4} \hat{=}^2$. <i>Astrophysical Journal Letters</i> , 2018, 854, L20. | 3.0 | 38 |
| 308 | A Precise Distance to the Host Galaxy of the Binary Neutron Star Merger GW170817 Using Surface Brightness Fluctuations $\langle \hat{=}^{\sup} \hat{=} \langle \sup \rangle$. <i>Astrophysical Journal Letters</i> , 2018, 854, L31. | 3.0 | 99 |
| 309 | Constructing neutron stars with a gravitational Higgs mechanism. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 7 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 310 | Neutron star mergers as a probe of modifications of general relativity with finite-range scalar forces. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 61 |
| 311 | Reconstructing the calibrated strain signal in the Advanced LIGO detectors. <i>Classical and Quantum Gravity</i> , 2018, 35, 095015. | 1.5 | 57 |
| 312 | Revealing infinite derivative gravity's true potential: The weak-field limit around de Sitter backgrounds. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 6 |
| 313 | The First Hours of the GW170817 Kilonova and the Importance of Early Optical and Ultraviolet Observations for Constraining Emission Models. <i>Astrophysical Journal Letters</i> , 2018, 855, L23. | 3.0 | 87 |
| 314 | Calvera: A Low-mass Strangeon Star Torqued by Debris Disk?. <i>Astrophysical Journal</i> , 2018, 854, 165. | 1.6 | 0 |
| 315 | A Pulsar Wind Nebula Model Applied to Short GRB 050724. <i>Astrophysical Journal</i> , 2018, 855, 67. | 1.6 | 4 |
| 316 | The Possible Submillimeter Bump and Accretion-jet in the Central Supermassive Black Hole of NGC 4993. <i>Astrophysical Journal</i> , 2018, 855, 46. | 1.6 | 9 |
| 317 | Numerically modeling Brownian thermal noise in amorphous and crystalline thin coatings. <i>Classical and Quantum Gravity</i> , 2018, 35, 025017. | 1.5 | 5 |
| 318 | Accretion-induced spin-wandering effects on the neutron star in Scorpius X-1: Implications for continuous gravitational wave searches. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 28 |
| 319 | Cosmological dynamics of mimetic gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 041-041. | 1.9 | 88 |
| 320 | Rates of short-GRB afterglows in association with binary neutron star mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 699-707. | 1.6 | 10 |
| 321 | The radius of the quiescent neutron star in the globular cluster M13. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 4713-4718. | 1.6 | 25 |
| 322 | Subaru Hyper Suprime-Cam Survey for an optical counterpart of GW170817. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, . | 1.0 | 13 |
| 323 | Decoherence of gravitational wave oscillations in bigravity. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 13 |
| 324 | Black Hole Quasinormal Modes in the Era of LIGO. <i>Brazilian Journal of Physics</i> , 2018, 48, 102-109. | 0.7 | 16 |
| 325 | Dynamical analysis for a scalar-tensor model with kinetic and nonminimal couplings. <i>International Journal of Modern Physics D</i> , 2018, 27, 1850030. | 0.9 | 9 |
| 326 | Baikal-GVD: status and prospects. <i>EPJ Web of Conferences</i> , 2018, 191, 01006. | 0.1 | 36 |
| 327 | A Triple Origin for the Heavy and Low-spin Binary Black Holes Detected by LIGO/VIRGO. <i>Astrophysical Journal</i> , 2018, 863, 7. | 1.6 | 89 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 328 | Gravitational wave signature of a mini creation event (MCE). <i>Classical and Quantum Gravity</i> , 2018, 35, 135003. | 1.5 | 0 |
| 329 | Fast self-forced inspirals. <i>Classical and Quantum Gravity</i> , 2018, 35, 144003. | 1.5 | 45 |
| 330 | An Upper Limit on the Linear Polarization Fraction of the GW170817 Radio Continuum. <i>Astrophysical Journal Letters</i> , 2018, 861, L10. | 3.0 | 27 |
| 331 | Viscous-dynamical Ejecta from Binary Neutron Star Mergers. <i>Astrophysical Journal Letters</i> , 2018, 869, L35. | 3.0 | 65 |
| 332 | G-inflation: from the intermediate, logamediate and exponential models. <i>European Physical Journal C</i> , 2018, 78, 1. | 1.4 | 10 |
| 333 | Development of a pulling machine to produce micron diameter fused silica fibres for use in prototype advanced gravitational wave detectors. <i>Classical and Quantum Gravity</i> , 2018, 35, 165004. | 1.5 | 0 |
| 334 | Cooling of Small and Massive Hyperonic Stars. <i>Astrophysical Journal</i> , 2018, 863, 104. | 1.6 | 36 |
| 335 | Techniques for gravitational-wave detection of compact binary coalescence. , 2018, , . | | 0 |
| 336 | Oscillation modes of hybrid stars within the relativistic Cowling approximation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 031-031. | 1.9 | 35 |
| 337 | Fab Four effective field theory treatment. <i>European Physical Journal C</i> , 2018, 78, 1. | 1.4 | 9 |
| 338 | Bound Outflows, Unbound Ejecta, and the Shaping of Bipolar Remnants during Stellar Coalescence. <i>Astrophysical Journal</i> , 2018, 868, 136. | 1.6 | 63 |
| 339 | Localization of transient gravitational wave sources: beyond triangulation. <i>Classical and Quantum Gravity</i> , 2018, 35, 105002. | 1.5 | 21 |
| 340 | Observations of Low-frequency Radio Emission from Millisecond Pulsars and Multipath Propagation in the Interstellar Medium. <i>Astrophysical Journal, Supplement Series</i> , 2018, 238, 1. | 3.0 | 17 |
| 341 | The role of weak interactions in dynamic ejecta from binary neutron star mergers. <i>Classical and Quantum Gravity</i> , 2018, 35, 034001. | 1.5 | 36 |
| 342 | Mapping incoherent gravitational wave backgrounds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 4650-4661. | 1.6 | 33 |
| 343 | Waveform systematics for binary neutron star gravitational wave signals: Effects of the point-particle baseline and tidal descriptions. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 37 |
| 344 | Regression of non-linear coupling of noise in LIGO detectors. <i>Classical and Quantum Gravity</i> , 2018, 35, 055008. | 1.5 | 3 |
| 345 | Improving performance of SEOBNRv3 by $\hat{\gamma}^{1/4}300\text{Å}$ —. <i>Classical and Quantum Gravity</i> , 2018, 35, 155003. | 1.5 | 10 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 346 | Femtolensing by dark matter revisited. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 005-005. | 1.9 | 170 |
| 347 | Towards an exascale code for GRMHD on dynamical spacetimes. <i>Journal of Physics: Conference Series</i> , 2018, 1031, 012017. | 0.3 | 6 |
| 348 | Compressional modes in two-superfluid neutron stars with leptonic buoyancy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 4427-4444. | 1.6 | 6 |
| 349 | Implementing a semicoherent search for continuous gravitational waves using optimally constructed template banks. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 24 |
| 350 | Determining the Nature of White Dwarfs from Low-frequency Gravitational Waves. <i>Astrophysical Journal</i> , 2018, 856, 82. | 1.6 | 8 |
| 351 | A Linear and Quadratic Time-Resolved Frequency Analysis of Gravitational Waves from Core-collapse Supernovae. <i>Astrophysical Journal</i> , 2018, 867, 126. | 1.6 | 17 |
| 352 | GWs from S-stars Revolving Around SMBH at Sgr A*. <i>Communications in Theoretical Physics</i> , 2018, 70, 735. | 1.1 | 4 |
| 353 | Local probes strongly favor Λ CDM against power-law and $\langle R_{\text{sub}} \rangle / \langle R_{\text{ct}} \rangle$ universe. <i>Chinese Physics C</i> , 2018, 42, 095101. | 1.5 | 11 |
| 354 | The optical/UV excess of X-ray-dim isolated neutron star II. Nonuniformity of plasma on a strangeon star surface. <i>Research in Astronomy and Astrophysics</i> , 2018, 18, 082. | 0.7 | 4 |
| 355 | CoRe database of binary neutron star merger waveforms. <i>Classical and Quantum Gravity</i> , 2018, 35, 24LT01. | 1.5 | 81 |
| 356 | On the formation history of Galactic double neutron stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 4009-4029. | 1.6 | 189 |
| 357 | GW170817: implications for the local kilonova rate and for surveys from ground-based facilities. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 4355-4360. | 1.6 | 15 |
| 358 | Investigating scalar-tensor-gravity with statistics of the cosmic large-scale structure. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , . | 1.6 | 16 |
| 359 | Determining the stiffness of the equation of state using low T dynamical instabilities in differentially rotating stars. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 3 |
| 360 | Post-Newtonian dynamics in dense star clusters: Formation, masses, and merger rates of highly-eccentric black hole binaries. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 173 |
| 361 | Characterization of low-significance gravitational-wave compact binary sources. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 10 |
| 362 | Gauge-ready formulation of cosmological perturbations in scalar-vector-tensor theories. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 8 |
| 363 | Constant circulation sequences of binary neutron stars and their spin characterization. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 16 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 364 | Quasi-normal modes of a natural AdS wormhole in Einstein-Born-Infeld Gravity. <i>European Physical Journal C</i> , 2018, 78, 1. | 1.4 | 15 |
| 365 | Black Hole Bounces on the Road to Quantum Gravity. <i>Universe</i> , 2018, 4, 92. | 0.9 | 6 |
| 366 | Two Novel Approaches to the Hadron-Quark Mixed Phase in Compact Stars. <i>Universe</i> , 2018, 4, 94. | 0.9 | 25 |
| 367 | Analysis of Sub-threshold Short Gamma-Ray Bursts in Fermi GBM Data. <i>Astrophysical Journal</i> , 2018, 862, 152. | 1.6 | 21 |
| 368 | Runaway Coalescence at the Onset of Common Envelope Episodes. <i>Astrophysical Journal</i> , 2018, 863, 5. | 1.6 | 56 |
| 369 | A Simultaneous Search for Prompt Radio Emission Associated with the Short GRB 170112A Using the All-sky Imaging Capability of the OVRO-LWA. <i>Astrophysical Journal</i> , 2018, 864, 22. | 1.6 | 24 |
| 370 | Stochastic Chemical Evolution of Galactic Subhalos and the Origin of r-process Elements. <i>Astrophysical Journal</i> , 2018, 865, 87. | 1.6 | 37 |
| 371 | The Orbit of GW170817 Was Inclined by Less Than 28° to the Line of Sight. <i>Astrophysical Journal Letters</i> , 2018, 853, L12. | 3.0 | 36 |
| 372 | Observational Implications of Lowering the LIGO-Virgo Alert Threshold. <i>Astrophysical Journal Letters</i> , 2018, 861, L24. | 3.0 | 7 |
| 373 | Evidence for a Minimum Ellipticity in Millisecond Pulsars. <i>Astrophysical Journal Letters</i> , 2018, 863, L40. | 3.0 | 63 |
| 374 | Constraints on alternative theories of gravity with observations of the Galactic Center. <i>EPJ Web of Conferences</i> , 2018, 191, 01010. | 0.1 | 8 |
| 375 | Interpretation of geodesy experiments in non-Newtonian theories of gravity. <i>Classical and Quantum Gravity</i> , 2018, 35, 234001. | 1.5 | 8 |
| 376 | Nuclear Equation of State for Compact Stars and Supernovae. <i>Astrophysics and Space Science Library</i> , 2018, , 255-335. | 1.0 | 38 |
| 377 | Characterization of binary black holes by heterogeneous gravitational-wave networks. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 16 |
| 378 | Nucleosynthesis in Neutron Star Mergers. , 2018, , . | | 0 |
| 379 | Light-Like Shockwaves in Scalar-Tensor Theories. <i>Universe</i> , 2018, 4, 44. | 0.9 | 2 |
| 380 | Holographic compact stars meet gravitational wave constraints. <i>Journal of High Energy Physics</i> , 2018, 2018, 1. | 1.6 | 43 |
| 381 | Fundamental physics and the absence of sub-millisecond pulsars. <i>Astronomy and Astrophysics</i> , 2018, 620, A69. | 2.1 | 21 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 382 | Two-baryon systems from HAL QCD method and the mirage in the temporal correlation of the direct method. EPJ Web of Conferences, 2018, 175, 05008. | 0.1 | 8 |
| 383 | Masses and lifetimes for r-process nucleosynthesis: FRIB outlook. EPJ Web of Conferences, 2018, 178, 04002. | 0.1 | 7 |
| 384 | Lambda - Proton Correlation in Pion-Induced Reactions at 1.7 GeV/c. EPJ Web of Conferences, 2018, 181, 01038. | 0.1 | 0 |
| 385 | Estimation of the sensitive volume for gravitational-wave source populations using weighted Monte Carlo integration. Classical and Quantum Gravity, 2018, 35, 145009. | 1.5 | 51 |
| 386 | Parameter estimation and model selection of gravitational wave signals contaminated by transient detector noise glitches. Classical and Quantum Gravity, 2018, 35, 155017. | 1.5 | 32 |
| 387 | The well-tempered cosmological constant. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 034-034. | 1.9 | 38 |
| 388 | Weak processes in astrophysical nucleosynthesis. Journal of Physics: Conference Series, 2018, 1078, 012012. | 0.3 | 1 |
| 389 | The payloads of Advanced Virgo: current status and upgrades. Journal of Physics: Conference Series, 2018, 957, 012002. | 0.3 | 10 |
| 390 | Search for High-Energy Neutrinos from GW170817 with the Baikal-GVD Neutrino Telescope. JETP Letters, 2018, 108, 787-790. | 0.4 | 21 |
| 391 | Phases of Dense Matter in Compact Stars. Astrophysics and Space Science Library, 2018, , 337-400. | 1.0 | 53 |
| 392 | Localization of Gravitational Sources from Time-Frequency Maps. , 2018, , . | | 1 |
| 393 | A reflection interferometer highly sensitive to applied pressures driving the solution flow and capable of sensing solvent species and concentrations in a microscopic fluid channel. Review of Scientific Instruments, 2018, 89, 124103. | 0.6 | 1 |
| 394 | Direct: Deep Discriminative Embedding for Clustering of Ligo Data. , 2018, , . | | 12 |
| 395 | The spin of the second-born black hole in coalescing binary black holes. Astronomy and Astrophysics, 2018, 616, A28. | 2.1 | 145 |
| 396 | On the Electric-Magnetic Duality Symmetry: Quantum Anomaly, Optical Helicity, and Particle Creation. Symmetry, 2018, 10, 763. | 1.1 | 8 |
| 397 | Particle swarm optimization based search for gravitational waves from compact binary coalescences: Performance improvements. Physical Review D, 2018, 98, . | 1.6 | 9 |
| 398 | Impact of high-order tidal terms on binary neutron-star waveforms. Physical Review D, 2018, 98, . | 1.6 | 38 |
| 399 | Testing general relativity with black hole-pulsar binaries. Physical Review D, 2018, 98, . | 1.6 | 16 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 400 | Radio Pulsars: Testing Gravity and Detecting Gravitational Waves. Astrophysics and Space Science Library, 2018, , 95-148. | 1.0 | 3 |
| 401 | Solitons and black hole in shift symmetric scalar-tensor gravity with cosmological constant. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 7 |
| 402 | Silicon nitride and silica quarter-wave stacks for low-thermal-noise mirror coatings. Physical Review D, 2018, 98, . | 1.6 | 16 |
| 403 | The P2 experiment. European Physical Journal A, 2018, 54, 1. | 1.0 | 90 |
| 404 | An Overview of Research into Low Internal Friction Optical Coatings by the Gravitational Wave Detection Community. Materials Research, 2018, 21, . | 0.6 | 6 |
| 405 | Electromagnetic Emission and Nucleosynthesis from Neutron Star Binary Mergers. Astrophysics and Space Science Library, 2018, , 637-671. | 1.0 | 0 |
| 406 | Inflationary gravitational waves from unified spinor fields. European Physical Journal Plus, 2018, 133, 1. | 1.2 | 9 |
| 407 | Testing the multipole structure of compact binaries using gravitational wave observations. Physical Review D, 2018, 98, . | 1.6 | 33 |
| 408 | Multiwindow Nonharmonic Analysis Method for Gravitational Waves. IEEE Access, 2018, 6, 48645-48655. | 2.6 | 11 |
| 409 | LIGO and Gravitational Waves II: Nobel Lecture, December 8, 2017. Annalen Der Physik, 2019, 531, 1800357. | 0.9 | 4 |
| 410 | The Nobel Lectures on Gravitational Waves and LIGO. Annalen Der Physik, 2019, 531, 1800442. | 0.9 | 1 |
| 411 | Constraints on the neutron star equation of state from AT2017gfo using radiative transfer simulations. Monthly Notices of the Royal Astronomical Society, 2018, 480, 3871-3878. | 1.6 | 157 |
| 412 | Implications of a density dependent IMF for the statistics of progenitors of gravitational wave sources. Proceedings of the International Astronomical Union, 2018, 14, 464-467. | 0.0 | 0 |
| 413 | Non-parametric characterization of gravitational-wave polarizations. , 2018, , . | | 4 |
| 414 | Application of Laboratory Atomic Physics to Some Significant Stellar Chemical Composition Questions. Atoms, 2018, 6, 48. | 0.7 | 3 |
| 415 | Reverse Shock Emission from Short GRBs. Galaxies, 2018, 6, 103. | 1.1 | 7 |
| 416 | Enrichment of Heavy Elements in Chemo-Dynamical Simulations of Dwarf Galaxies. Proceedings of the International Astronomical Union, 2018, 14, 197-200. | 0.0 | 0 |
| 417 | Advanced Virgo results and the dawn of gravitational multimessenger astronomy. Nuclear and Particle Physics Proceedings, 2018, 303-305, 86-91. | 0.2 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 418 | Early Soft X-Ray to UV Emission from Double Neutron Star Mergers: Implications from the Long-term Observations of GW170817. <i>Astrophysical Journal Letters</i> , 2018, 853, L13. | 3.0 | 5 |
| 419 | The Rate of Short-Duration Gamma-Ray Bursts in the Local Universe. <i>Galaxies</i> , 2018, 6, 130. | 1.1 | 18 |
| 420 | MAXI upper limits of the electromagnetic counterpart of GW170817. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, . | 1.0 | 7 |
| 421 | Radiation by an Aperture in a Planar Screen Illuminated by a Gaussian Beam at Optical Frequencies for Studying Baffle Scattering in Interferometric Detectors of Gravitational Waves. , 2018, , . | | 0 |
| 422 | Homogeneous GÃ¶del-type solutions in hybrid metric-Palatini gravity. <i>European Physical Journal C</i> , 2018, 78, 1. | 1.4 | 13 |
| 423 | Manifestations of Horndeski theory in binary systems with pulsars.. <i>EPJ Web of Conferences</i> , 2018, 191, 07011. | 0.1 | 2 |
| 424 | Implementing tidal and gravitational wave energy losses in few-body codes: A fast and easy drag force model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 5436-5444. | 1.6 | 20 |
| 425 | Experimental Approach to Explosive Hydrogen Burning in X-Ray Bursts and Core-Collapse Supernovae. <i>EPJ Web of Conferences</i> , 2018, 184, 01010. | 0.1 | 1 |
| 426 | The kinematic Sunyaevâ€™Zelâ€™dovich effect of the large-scale structure (II): the effect of modified gravity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 2497-2506. | 1.6 | 9 |
| 427 | Listening for the Cosmic Hum of Black Holes. <i>Physics Magazine</i> , 2018, 11, . | 0.1 | 0 |
| 428 | Robust Time Scale Design and Implementation for Telescope Time in a Remote Desert Environment. , 2018, , . | | 0 |
| 429 | ON SIGNAL ESTIMATION, DETECTION AND INTERFERENCE MITIGATION IN LIGO. , 2018, , . | | 1 |
| 430 | KLT-like behaviour of inflationary graviton correlators. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 023-023. | 1.9 | 16 |
| 431 | Modeling an experiment to measure the speed of gravity: optimization of the quadrupole mass. <i>Journal of Physics: Conference Series</i> , 2018, 1141, 012045. | 0.3 | 1 |
| 432 | Status of the Monolithic Suspensions for Advanced Virgo. <i>Journal of Physics: Conference Series</i> , 2018, 957, 012012. | 0.3 | 6 |
| 433 | Cosmological perturbations in generalised dark Lagrangians. <i>Journal of High Energy Physics</i> , 2018, 2018, 1. | 1.6 | 0 |
| 434 | Status and Perspectives of the INFN-LNS In-Flight Fragment Separator. <i>Journal of Physics: Conference Series</i> , 2018, 1014, 012016. | 0.3 | 19 |
| 435 | Neutrino astrophysics and its connections to nuclear physics. <i>Journal of Physics: Conference Series</i> , 2018, 1056, 012060. | 0.3 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 436 | Phase-Continuous Frequency Line Track-Before-Detect of a Tone With Slow Frequency Variation. IEEE Transactions on Signal Processing, 2018, 66, 6434-6442. | 3.2 | 6 |
| 437 | Orbiting black-hole binaries and apparent horizons in higher dimensions. Classical and Quantum Gravity, 2018, 35, 235008. | 1.5 | 4 |
| 438 | Towards a Fourier domain waveform for non-spinning binaries with arbitrary eccentricity. Classical and Quantum Gravity, 2018, 35, 235006. | 1.5 | 50 |
| 439 | Gravitational waves and mass ejecta from binary neutron star mergers: Effect of large eccentricities. Physical Review D, 2018, 98, . | 1.6 | 36 |
| 440 | On the Properties of Neutrinos. Annual Review of Nuclear and Particle Science, 2018, 68, 313-338. | 3.5 | 53 |
| 441 | Anisotropies in the stochastic gravitational-wave background: Formalism and the cosmic string case. Physical Review D, 2018, 98, . | 1.6 | 68 |
| 442 | Identifying correlations between LIGO's astronomical range and auxiliary sensors using lasso regression. Classical and Quantum Gravity, 2018, 35, 225002. | 1.5 | 16 |
| 443 | Hairy binary black holes in Einstein-Maxwell-dilaton theory and their effective-one-body description. Physical Review D, 2018, 98, . | 1.6 | 31 |
| 444 | Kerr's (anti-)de Sitter black holes: Perturbations and quasinormal modes in the slow rotation limit. Physical Review D, 2018, 98, . | 1.6 | 17 |
| 445 | Sensing and Vetoing Loud Transient Noises for the Gravitational-wave Detection. Journal of the Korean Physical Society, 2018, 73, 1197-1210. | 0.3 | 2 |
| 446 | Next-to-Next-to-Next-to-Leading Order Pressure of Cold Quark Matter: Leading Logarithm. Physical Review Letters, 2018, 121, 202701. | 2.9 | 83 |
| 447 | Recovering $\langle i \rangle P \langle /i \rangle$ ($\langle i \rangle X \langle /i \rangle$) from a canonical complex field. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 023-023. | 1.9 | 23 |
| 448 | Dark energy in scalar-vector-tensor theories. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 024-024. | 1.9 | 17 |
| 449 | Constraints on the ejecta of the GW170817 neutron star merger from its electromagnetic emission. Monthly Notices of the Royal Astronomical Society, 2018, 481, 3423-3441. | 1.6 | 117 |
| 450 | Measuring stochastic gravitational-wave energy beyond general relativity. Physical Review D, 2018, 98, . | 1.6 | 22 |
| 451 | Primordial Anisotropies in the Gravitational Wave Background from Cosmological Phase Transitions. Physical Review Letters, 2018, 121, 201303. | 2.9 | 63 |
| 452 | Cuckoo's eggs in neutron stars: can LIGO hear chirps from the dark sector?. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 33 |
| 453 | The host galaxy of the short GRB 111117A at $\langle i \rangle z \langle /i \rangle = 2.211$. Astronomy and Astrophysics, 2018, 616, A48. | 2.1 | 26 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 454 | Lorentz-violating scalar Hamiltonian and the equivalence principle in a static metric. Physical Review D, 2018, 98, . | 1.6 | 6 |
| 455 | Astrophysical constraints on a parametric equation of state for neutron-rich nucleonic matter. Nuclear Science and Techniques/Hewuli, 2018, 29, 1. | 1.3 | 7 |
| 456 | Phase decomposition of the template metric for continuous gravitational-wave searches. Physical Review D, 2018, 98, . | 1.6 | 3 |
| 457 | Detecting lensing-induced diffraction in astrophysical gravitational waves. Physical Review D, 2018, 98, . | 1.6 | 72 |
| 458 | Quasinormal modes of weakly charged Einstein-Maxwell-dilaton black holes. Physical Review D, 2018, 98, . | 1.6 | 22 |
| 459 | Fourier domain gravitational waveforms for precessing eccentric binaries. Physical Review D, 2018, 98, . | 1.6 | 39 |
| 460 | Post-Newtonian spin-tidal couplings for compact binaries. Physical Review D, 2018, 98, . | 1.6 | 39 |
| 461 | Physical Conditions for the r-process. I. Radioactive Energy Sources of Kilonovae. Astrophysical Journal, 2018, 868, 65. | 1.6 | 52 |
| 462 | Chiral symmetry restoration by parity doubling and the structure of neutron stars. Physical Review D, 2018, 98, . | 1.6 | 40 |
| 463 | Differentially rotating neutron stars in scalar-tensor theories of gravity. Physical Review D, 2018, 98, . | 1.6 | 26 |
| 464 | Axial quasinormal modes of neutron stars in R2 gravity. Physical Review D, 2018, 98, . | 1.6 | 19 |
| 465 | New observational constraints on f gravity through gravitational-wave astronomy. Physical Review D, 2018, 98, . | 1.6 | 61 |
| 466 | Fifth forces, Higgs portals and broken scale invariance. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 036-036. | 1.9 | 21 |
| 467 | Probing the Universe through the stochastic gravitational wave background. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 038-038. | 1.9 | 77 |
| 469 | Simulating the induced gravitational collapse scenario of long gamma-ray bursts. International Journal of Modern Physics A, 2018, 33, 1844031. | 0.5 | 1 |
| 470 | Synchrotron Radiation from the Fast Tail of Dynamical Ejecta of Neutron Star Mergers. Astrophysical Journal, 2018, 867, 95. | 1.6 | 92 |
| 471 | On the Role of Supernova Kicks in the Formation of Galactic Double Neutron Star Systems. Astrophysical Journal, 2018, 867, 124. | 1.6 | 15 |
| 472 | Dynamical ejecta and nucleosynthetic yields from eccentric binary neutron-star mergers. Physical Review D, 2018, 98, . | 1.6 | 38 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 473 | Black holes and stars in the minimal theory of massive gravity. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 15 |
| 474 | Can we detect quantum gravity with compact binary inspirals?. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 5 |
| 475 | A Strong Jet Signature in the Late-time Light Curve of GW170817. <i>Astrophysical Journal Letters</i> , 2018, 868, L11. | 3.0 | 114 |
| 476 | Constraints on the Moment of Inertia of PSR J0737-3039A from GW170817. <i>Astrophysical Journal Letters</i> , 2018, 868, L22. | 3.0 | 52 |
| 477 | First tests of a Newtonian calibrator on an interferometric gravitational wave detector. <i>Classical and Quantum Gravity</i> , 2018, 35, 235009. | 1.5 | 17 |
| 478 | Method to search for long duration gravitational wave transients from isolated neutron stars using the generalized frequency-Hough transform. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 28 |
| 479 | Spectral lines of extreme compact objects. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 9 |
| 480 | Optimized Radio Follow-up of Binary Neutron-star Mergers. <i>Astrophysical Journal</i> , 2018, 867, 135. | 1.6 | 2 |
| 481 | Empirical tests of the black hole no-hair conjecture using gravitational-wave observations. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 61 |
| 482 | Quantum effects in Galileon black holes. <i>Classical and Quantum Gravity</i> , 2018, 35, 235016. | 1.5 | 4 |
| 483 | Hidden-sector modifications to gravitational waves from binary inspirals. <i>Classical and Quantum Gravity</i> , 2018, 35, 235012. | 1.5 | 26 |
| 484 | The spectrum of symmetric teleparallel gravity. <i>European Physical Journal C</i> , 2018, 78, 1. | 1.4 | 68 |
| 485 | A model of neutron-star–white-dwarf collision for fast radio bursts. <i>Astrophysics and Space Science</i> , 2018, 363, 1. | 0.5 | 17 |
| 486 | Towards a framework for testing general relativity with extreme-mass-ratio-inspiral observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 28-40. | 1.6 | 16 |
| 487 | Fast and accurate sensitivity estimation for continuous-gravitational-wave searches. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 48 |
| 488 | Gravitational waves and the polarizations in Hořava gravity after GW170817. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 31 |
| 489 | Hamiltonian analysis of general relativity and extended gravity from the iterative Faddeev-Jackiw symplectic approach. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 8 |
| 490 | Heavy Ion Collisions: The Big Picture and the Big Questions. <i>Annual Review of Nuclear and Particle Science</i> , 2018, 68, 339-376. | 3.5 | 398 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 491 | New Thermonuclear $^{10}\text{B}(\hat{1}\pm,p)^{13}\text{C}$ Rate and Its Astrophysical Implication in the $\hat{1}/2p$ -process. <i>Astrophysical Journal</i> , 2018, 868, 24. | 1.6 | 3 |
| 492 | Pre-merger Electromagnetic Counterparts of Binary Compact Stars. <i>Astrophysical Journal</i> , 2018, 868, 19. | 1.6 | 34 |
| 493 | Collisions of Neutron Stars with Primordial Black Holes as Fast Radio Bursts Engines. <i>Astrophysical Journal</i> , 2018, 868, 17. | 1.6 | 29 |
| 494 | Electrical resistivity and Hall effect in binary neutron star mergers. <i>European Physical Journal A</i> , 2018, 54, 1. | 1.0 | 18 |
| 495 | Model-independent Curvature Determination from Gravitational-wave Standard Sirens and Cosmic Chronometers. <i>Astrophysical Journal</i> , 2018, 868, 29. | 1.6 | 58 |
| 496 | The demographics of neutron star “white dwarf mergers. <i>Astronomy and Astrophysics</i> , 2018, 619, A53. | 2.1 | 48 |
| 497 | Multimessenger astronomy and new neutrino physics. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 048-048. | 1.9 | 37 |
| 498 | Axion star collisions with black holes and neutron stars in full 3D numerical relativity. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 38 |
| 499 | Waveforms of compact binary inspiral gravitational radiation in screened modified gravity. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 35 |
| 500 | Gravitational radiation in quantum gravity. <i>European Physical Journal C</i> , 2018, 78, 780. | 1.4 | 12 |
| 501 | Eccentric Black Hole Gravitational-wave Capture Sources in Galactic Nuclei: Distribution of Binary Parameters. <i>Astrophysical Journal</i> , 2018, 860, 5. | 1.6 | 113 |
| 502 | Fast Radio Burst 121102 Pulse Detection and Periodicity: A Machine Learning Approach. <i>Astrophysical Journal</i> , 2018, 866, 149. | 1.6 | 135 |
| 503 | Low-frequency View of GW170817/GRB 170817A with the Giant Metrewave Radio Telescope. <i>Astrophysical Journal</i> , 2018, 867, 57. | 1.6 | 79 |
| 504 | Factors Affecting Exoplanet Habitability. , 2018, , 2771-2794. | | 17 |
| 505 | Galactic Effects on Habitability. , 2018, , 3091-3109. | | 3 |
| 506 | Kilonova Emission from Black Hole“Neutron Star Mergers: Observational Signatures of Anisotropic Mass Ejection. <i>Astrophysical Journal</i> , 2018, 867, 6. | 1.6 | 5 |
| 507 | Monte Carlo Population Synthesis on Massive Star Binaries: Astrophysical Implications for Gravitational-wave Sources. <i>Astrophysical Journal</i> , 2018, 866, 151. | 1.6 | 18 |
| 508 | Off-axis afterglow light curves and images from 2D hydrodynamic simulations of double-sided GRB jets in a stratified external medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 2711-2720. | 1.6 | 32 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 509 | Impact of inter-correlated initial binary parameters on double black hole and neutron star mergers. <i>Astronomy and Astrophysics</i> , 2018, 619, A77. | 2.1 | 59 |
| 510 | A Turnover in the Radio Light Curve of GW170817. <i>Astrophysical Journal Letters</i> , 2018, 858, L15. | 3.0 | 118 |
| 511 | A Decline in the X-Ray through Radio Emission from GW170817 Continues to Support an Off-axis Structured Jet. <i>Astrophysical Journal Letters</i> , 2018, 863, L18. | 3.0 | 138 |
| 512 | The host galaxies of double compact objects merging in the local Universe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 5324-5330. | 1.6 | 37 |
| 513 | Strength of hydroxide catalysis bonds between sapphire, silicon, and fused silica as a function of time. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 13 |
| 514 | Signature of inflation in the stochastic gravitational wave background generated by cosmic string networks. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 35 |
| 515 | A Case Study of On-the-fly Wide-field Radio Imaging Applied to the Gravitational Wave Event GW151226. <i>Astrophysical Journal</i> , 2018, 857, 143. | 1.6 | 7 |
| 516 | Recent Nuclear Structure Study through Large Scale Shell Model, from Light to Heavy Nuclei. , 2018, , . | | 2 |
| 517 | Forecasting Gamma-Ray Bursts Using Gravitational Waves. <i>Annalen Der Physik</i> , 2019, 531, 1800365. | 0.9 | 7 |
| 518 | Fermi GBM Observations of GRB 150101B: A Second Nearby Event with a Short Hard Spike and a Soft Tail. <i>Astrophysical Journal Letters</i> , 2018, 863, L34. | 3.0 | 28 |
| 519 | Phase transitions in neutron stars. <i>International Journal of Modern Physics E</i> , 2018, 27, 1830008. | 0.4 | 17 |
| 520 | Gravitational Waves from Merging Binary Neutron-Star Systems. <i>Astrophysics and Space Science Library</i> , 2018, , 575-635. | 1.0 | 6 |
| 521 | Tidal deformability of neutron stars with realistic nuclear energy density functionals. <i>Physical Review C</i> , 2018, 98, . | 1.1 | 17 |
| 522 | \hat{I}^2 equilibrium in neutron-star mergers. <i>Physical Review C</i> , 2018, 98, . | 1.1 | 39 |
| 523 | Wavelet-Based Classification of Transient Signals for Gravitational Wave Detectors. , 2018, , . | | 7 |
| 524 | Reaction Rates and Transport in Neutron Stars. <i>Astrophysics and Space Science Library</i> , 2018, , 455-574. | 1.0 | 44 |
| 525 | Angular instability in high optical power suspended cavities. <i>Review of Scientific Instruments</i> , 2018, 89, 124503. | 0.6 | 3 |
| 526 | Observing and measuring the neutron-star equation-of-state in spinning binary neutron star systems. <i>Classical and Quantum Gravity</i> , 2018, 35, 145010. | 1.5 | 85 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 527 | Most general cubic-order Horndeski Lagrangian allowing for scaling solutions and the application to dark energy. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 16 |
| 528 | Theoretical and observed quality factor of gravitational quadrupoles. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 5 |
| 529 | The propagating speed of relic gravitational waves and their refractive index during inflation. <i>European Physical Journal C</i> , 2018, 78, 1. | 1.4 | 12 |
| 530 | A short walk through the physics of neutron stars. <i>European Physical Journal Plus</i> , 2018, 133, 1. | 1.2 | 18 |
| 531 | Dark Energy in Light of Multi-Messenger Gravitational-Wave Astronomy. <i>Frontiers in Astronomy and Space Sciences</i> , 2018, 5, . | 1.1 | 146 |
| 532 | The sound of DHOST. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 027-027. | 1.9 | 21 |
| 533 | Nobel Lecture: LIGO and gravitational waves II. <i>Reviews of Modern Physics</i> , 2018, 90, . | 16.4 | 9 |
| 534 | Relativistic parameterizations of neutron matter and implications for neutron stars. <i>Physical Review C</i> , 2018, 98, . | 1.1 | 61 |
| 535 | Fast radio bursts. <i>Physics-Usppekhi</i> , 2018, 61, 965-979. | 0.8 | 48 |
| 536 | Memory, Penrose limits and the geometry of gravitational shockwaves and gyratons. <i>Journal of High Energy Physics</i> , 2018, 2018, 1. | 1.6 | 23 |
| 537 | New method to observe gravitational waves emitted by core collapse supernovae. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 44 |
| 538 | Angular momentum loss for a binary system in Einstein-Ätther theory. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 2 |
| 539 | Binary Neutron Star Mergers: Mass Ejection, Electromagnetic Counterparts, and Nucleosynthesis. <i>Astrophysical Journal</i> , 2018, 869, 130. | 1.6 | 327 |
| 540 | Quantum interactions between a laser interferometer and gravitational waves. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 7 |
| 541 | New class of compact stars: Pion stars. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 47 |
| 542 | Time-domain effective-one-body gravitational waveforms for coalescing compact binaries with nonprecessing spins, tides, and self-spin effects. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 168 |
| 543 | Stability of stealth magnetic field in de Sitter spacetime. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 2 |
| 544 | Charged Gauss-Bonnet black holes with curvature induced scalarization in the extended scalar-tensor theories. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 86 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 545 | Assessing the energetics of spinning binary black hole systems. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 18 |
| 546 | Sparse Time-Frequency Representation of Gravitational-Wave signals in Unions of Wilson Bases. , 2018, , . | | 0 |
| 547 | Towards the LISA backlink: experiment design for comparing optical phase reference distribution systems. <i>Classical and Quantum Gravity</i> , 2018, 35, 085009. | 1.5 | 7 |
| 548 | saprEMo: a simplified algorithm for predicting detections of electromagnetic transients in surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , . | 1.6 | 2 |
| 549 | Consolidating the concept of low-energy magnetic dipole decay radiation. <i>Physical Review C</i> , 2018, 98, . | 1.1 | 26 |
| 550 | Jet launching from binary black hole-neutron star mergers: Dependence on black hole spin, binary mass ratio, and magnetic field orientation. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 35 |
| 551 | Constraining the Outflow Structure of the Binary Neutron Star Merger Event GW170817/GRB170817A with a Markov Chain Monte Carlo Analysis. <i>Astrophysical Journal</i> , 2018, 869, 55. | 1.6 | 47 |
| 552 | Neutron Star Mergers are the Dominant Source of the r-process in the Early Evolution of Dwarf Galaxies. <i>Astrophysical Journal</i> , 2018, 869, 50. | 1.6 | 32 |
| 553 | Hyperons in hot dense matter: what do the constraints tell us for equation of state?. <i>Publications of the Astronomical Society of Australia</i> , 2018, 35, . | 1.3 | 36 |
| 554 | Black hole pulsar. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 36 |
| 555 | Parity-violating gravity and GW170817. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 54 |
| 556 | \hat{I}^2 -delayed Fission in r-process Nucleosynthesis. <i>Astrophysical Journal</i> , 2018, 869, 14. | 1.6 | 63 |
| 557 | Post-Newtonian Magnetohydrodynamics. <i>Astrophysical Journal</i> , 2018, 868, 98. | 1.6 | 5 |
| 558 | Constraining high-energy neutrinos from choked-jet supernovae with IceCube high-energy starting events. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 008-008. | 1.9 | 21 |
| 559 | Hamiltonian unboundedness vs stability with an application to Horndeski theory. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 45 |
| 560 | Gravitational wave decay into dark energy. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 025-025. | 1.9 | 108 |
| 561 | Constraints on the hybrid equation of state with a crossover hadron-quark phase transition in the light of GW170817. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 31 |
| 562 | Gravitational-wave Geodesy: A New Tool for Validating Detection of the Stochastic Gravitational-wave Background. <i>Astrophysical Journal Letters</i> , 2018, 869, L28. | 3.0 | 8 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 564 | Sensitivity of nuclear statistical equilibrium to nuclear uncertainties during stellar core collapse. <i>Physical Review C</i> , 2018, 98, . | 1.1 | 7 |
| 565 | Observations and physics of prompt emission of gamma ray bursts. <i>Journal of Astrophysics and Astronomy</i> , 2018, 39, 1. | 0.4 | 7 |
| 566 | Measuring cosmic distances with standard sirens. <i>Physics Today</i> , 2018, 71, 34-40. | 0.3 | 2 |
| 567 | Effects of quark-matter symmetry energy on hadron-quark coexistence in neutron-star matter. <i>Physical Review C</i> , 2018, 98, . | 1.1 | 13 |
| 568 | Search for Substellar-Mass Ultracompact Binaries in Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , 2018, 121, 231103. | 2.9 | 77 |
| 569 | Properties of Neutron stars with hyperon cores in parametrized hydrostatic conditions. <i>International Journal of Modern Physics E</i> , 2018, 27, 1850097. | 0.4 | 10 |
| 570 | NonPrimordial Solar Mass Black Holes. <i>Physical Review Letters</i> , 2018, 121, 221102. | 2.9 | 46 |
| 571 | Thermal noise of beam splitters in laser gravitational wave detectors. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 1 |
| 572 | Methods for the detection of gravitational waves from subsolar mass ultracompact binaries. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 26 |
| 573 | Gravitational self-force corrections to gyroscope precession along circular orbits in the Kerr spacetime. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 20 |
| 574 | Self-similarity in Einstein-Maxwell-dilaton theories and critical collapse. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 19 |
| 575 | From QCD symmetries to nuclei and neutron stars. <i>International Journal of Modern Physics E</i> , 2018, 27, 1840004. | 0.4 | 6 |
| 576 | Extended cuscuton: formulation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 002-002. | 1.9 | 66 |
| 577 | Gravitational Rainbows: LIGO and Dark Energy at its Cutoff. <i>Physical Review Letters</i> , 2018, 121, 221101. | 2.9 | 152 |
| 578 | Implications of Dedicated Seismometer Measurements on Newtonian-Noise Cancellation for Advanced LIGO. <i>Physical Review Letters</i> , 2018, 121, 221104. | 2.9 | 35 |
| 579 | Scattered Short Gamma-Ray Bursts as Electromagnetic Counterparts to Gravitational Waves and Implications of GW170817 and GRB 170817A. <i>Astrophysical Journal</i> , 2018, 867, 39. | 1.6 | 14 |
| 580 | Fading of the X-Ray Afterglow of Neutron Star Merger GW170817/GRB 170817A at 260 Days. <i>Astrophysical Journal Letters</i> , 2018, 862, L19. | 3.0 | 51 |
| 581 | Clustering and alpha-capture reaction rates from first-principle structure calculations for nucleosynthesis. <i>AIP Conference Proceedings</i> , 2018, , . | 0.3 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 582 | Magnetic coupling to the advanced Virgo payloads and its impact on the low frequency sensitivity. Review of Scientific Instruments, 2018, 89, 114501. | 0.6 | 13 |
| 583 | Phenomenological aspects of black holes beyond general relativity. Physical Review D, 2018, 98, . | 1.6 | 125 |
| 584 | On the High-Energy Neutrino Emission from Active Galactic Nuclei. Universe, 2018, 4, 24. | 0.9 | 3 |
| 585 | Scalar-Tensor Black Holes Embedded in an Expanding Universe. Universe, 2018, 4, 26. | 0.9 | 9 |
| 586 | Precessing Black Hole Binaries and Their Gravitational Radiation. Universe, 2018, 4, 40. | 0.9 | 0 |
| 587 | Dynamical systems applied to cosmology: Dark energy and modified gravity. Physics Reports, 2018, 775-777, 1-122. | 10.3 | 244 |
| 588 | Kinematics of Highly r-process-enhanced Field Stars: Evidence for an Accretion Origin and Detection of Several Groups from Disrupted Satellites. Astronomical Journal, 2018, 156, 179. | 1.9 | 65 |
| 589 | Vector disformal transformation of generalized Proca theory. Physical Review D, 2018, 98, . | 1.6 | 18 |
| 590 | Non-trivial gravitational waves and structure formation phenomenology from dark energy. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 035-035. | 1.9 | 20 |
| 591 | Long-lived remnants from binary neutron star mergers. Monthly Notices of the Royal Astronomical Society, 2018, 481, 3670-3682. | 1.6 | 94 |
| 592 | New scaling solutions in cubic Horndeski theories. Physical Review D, 2018, 98, . | 1.6 | 19 |
| 593 | Transejecta high-energy neutrino emission from binary neutron star mergers. Physical Review D, 2018, 98, . | 1.6 | 46 |
| 594 | Trace of the energy-momentum tensor and macroscopic properties of neutron stars. Physical Review D, 2018, 98, . | 1.6 | 21 |
| 595 | Self-anisotropizing inflationary universe in Horndeski theory and beyond. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 058-058. | 1.9 | 13 |
| 596 | Astrophysics with New Horizons: Making the Most of a Generational Opportunity. Publications of the Astronomical Society of the Pacific, 2018, 130, 115001. | 1.0 | 10 |
| 597 | Gravitational waves from compact binaries in post-Newtonian accurate hyperbolic orbits. Physical Review D, 2018, 98, . | 1.6 | 31 |
| 598 | Disentangling Coalescing Neutron-Starâ€“White-Dwarf Binaries for LISA. Physical Review Letters, 2018, 121, 131105. | 2.9 | 53 |
| 599 | Gravitational plane waves in Einstein-aether theory. General Relativity and Gravitation, 2018, 50, 1. | 0.7 | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 600 | Binary neutron star mergers and third generation detectors: Localization and early warning. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 62 |
| 601 | Constraints on scalar-tensor theory of gravity by the recent observational results on gravitational waves. <i>European Physical Journal C</i> , 2018, 78, 1. | 1.4 | 53 |
| 602 | A low-energy sensitive compact gamma-ray detector based on LaBr_3 and SiPM for GECAM. <i>Journal of Instrumentation</i> , 2018, 13, P08014-P08014. | 0.5 | 28 |
| 603 | Tidal deformabilities and neutron star mergers. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 78 |
| 604 | Blazar Flares as an Origin of High-energy Cosmic Neutrinos?. <i>Astrophysical Journal</i> , 2018, 865, 124. | 1.6 | 139 |
| 605 | Baryon interactions from lattice QCD with physical quark masses - Nuclear forces and \hat{I} forces. <i>EPJ Web of Conferences</i> , 2018, 175, 05009. | 0.1 | 26 |
| 606 | Baryon interactions from lattice QCD with physical masses - strangeness $S = -1$ sector. <i>EPJ Web of Conferences</i> , 2018, 175, 05030. | 0.1 | 27 |
| 607 | GW170817: Constraining the nuclear matter equation of state from the neutron star tidal deformability. <i>Physical Review C</i> , 2018, 98, . | 1.1 | 187 |
| 608 | Evaluating radiation transport errors in merger simulations using a Monte Carlo algorithm. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 48 |
| 609 | Astrophysical gravitational waves in conformal gravity. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 14 |
| 610 | A Stringent Limit on the Mass Production Rate of r-process Elements in the Milky Way. <i>Astrophysical Journal</i> , 2018, 860, 89. | 1.6 | 32 |
| 611 | A new era in the search for dark matter. <i>Nature</i> , 2018, 562, 51-56. | 13.7 | 259 |
| 612 | Vainshtein in the UV and a Wilsonian analysis of derivatively coupled scalars. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 039-039. | 1.9 | 6 |
| 613 | Formation of relativistic axion stars. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 005-005. | 1.9 | 38 |
| 614 | GRB 170817A-GW170817-AT 2017gfo and the observations of NS-NS, NS-WD and WD-WD mergers. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 006-006. | 1.9 | 21 |
| 615 | Synchrotron self-absorption in GRB afterglows: the effects of a thermal electron population. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 4060-4068. | 1.6 | 28 |
| 616 | Neutron star matter with \hat{I} isobars in a relativistic quark model. <i>Physical Review C</i> , 2018, 98, . | 1.1 | 28 |
| 617 | Driving unmodeled gravitational-wave transient searches using astrophysical information. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 618 | Scattering of scalar, electromagnetic, and gravitational waves from binary systems. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 5 |
| 619 | The first direct double neutron star merger detection: Implications for cosmic nucleosynthesis. <i>Astronomy and Astrophysics</i> , 2018, 615, A132. | 2.1 | 134 |
| 620 | Strange matter in compact stars. <i>EPJ Web of Conferences</i> , 2018, 171, 08001. | 0.1 | 3 |
| 621 | Hyperons: the strange ingredients of the nuclear equation of state. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2018, 474, 20180145. | 1.0 | 38 |
| 622 | Dynamically integrated transport approach for heavy-ion collisions at high baryon density. <i>Physical Review C</i> , 2018, 98, . | 1.1 | 47 |
| 623 | Very fast stochastic gravitational wave background map making using folded data. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 27 |
| 624 | Are gravitational wave ringdown echoes always equal-interval?. <i>European Physical Journal C</i> , 2018, 78, 482. | 1.4 | 29 |
| 625 | Californium-254 and Kilonova Light Curves. <i>Astrophysical Journal Letters</i> , 2018, 863, L23. | 3.0 | 80 |
| 626 | Inner Workings: How fast is the universe expanding? Clashing measurements may point to new physics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 9810-9812. | 3.3 | 1 |
| 627 | Gravitational radiation from the classical spinning double copy. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 42 |
| 628 | Relativistic tidal properties of superfluid neutron stars. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 16 |
| 629 | No evidence for modifications of gravity from galaxy motions on cosmological scales. <i>Nature Astronomy</i> , 2018, 2, 967-972. | 4.2 | 31 |
| 630 | Does the Hubble constant tension call for new physics?. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 025-025. | 1.9 | 186 |
| 631 | Transport coefficients of leptons in superconducting neutron star cores. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 12 |
| 632 | Dynamical formation of Proca stars and quasistationary solitonic objects. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 43 |
| 633 | $f(R,T)=f(R)+\lambda T$ gravity models as alternatives to cosmic acceleration. <i>European Physical Journal C</i> , 2018, 78, 1. | 1.4 | 32 |
| 634 | Post-Newtonian Corrections to Toomre's Criterion. <i>Astrophysical Journal</i> , 2018, 865, 71. | 1.6 | 3 |
| 635 | Equations of state for astrophysical simulations from generalized relativistic density functionals. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2018, 45, 114001. | 1.4 | 15 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 636 | Phenomenological consequences of superfluid dark matter with baryon-phonon coupling. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 021-021. | 1.9 | 53 |
| 637 | Dark energy constraints in light of Pantheon SNe Ia, BAO, cosmic chronometers and CMB polarization and lensing data. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 10 |
| 638 | Long Journey toward the Detection of Gravitational Waves and New Era of Gravitational Wave Astrophysics. <i>Journal of the Korean Physical Society</i> , 2018, 73, 684-700. | 0.3 | 2 |
| 639 | Neutron star mergers in the context of the hadron-quark phase transition. <i>Journal of Astrophysics and Astronomy</i> , 2018, 39, 1. | 0.4 | 10 |
| 640 | Gravitational-wave astrophysics with effective-spin measurements: Asymmetries and selection biases. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 81 |
| 641 | Radial perturbations of the scalarized Einstein-Gauss-Bonnet black holes. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 126 |
| 642 | Total-variation methods for gravitational-wave denoising: Performance tests on Advanced LIGO data. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 14 |
| 643 | The R-Process Alliance: A Comprehensive Abundance Analysis of HD 222925, a Metal-poor Star with an Extreme R-process Enhancement of $[Eu/H] \hat{=} \hat{=} 0.14^*$. <i>Astrophysical Journal</i> , 2018, 865, 129. | 1.6 | 49 |
| 644 | Radiative Transfer Simulation for the Optical and Near-infrared Electromagnetic Counterparts to GW170817. <i>Astrophysical Journal Letters</i> , 2018, 865, L21. | 3.0 | 117 |
| 645 | Mimicking dark matter and dark energy in a mimetic model compatible with GW170817. <i>Physics of the Dark Universe</i> , 2018, 22, 108-115. | 1.8 | 77 |
| 646 | Mitigation of the instrumental noise transient in gravitational-wave data surrounding GW170817. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 75 |
| 647 | Tidal Love numbers of neutron stars in $f(R)$ gravity. <i>European Physical Journal C</i> , 2018, 78, 818. | 1.4 | 36 |
| 648 | On GW170817 and the Galactic Binary Neutron Star Population. <i>Astrophysical Journal</i> , 2018, 866, 60. | 1.6 | 12 |
| 649 | Evidence for the Photoionization Absorption Edge in a Photospheric Radius Expansion X-Ray Burst from GRS 1747-312 in Terzan 6. <i>Astrophysical Journal</i> , 2018, 866, 53. | 1.6 | 8 |
| 650 | High precision mass measurements for the astrophysical r-process. <i>Journal of Physics: Conference Series</i> , 2018, 1078, 012006. | 0.3 | 0 |
| 651 | The cosmic merger rate of neutron stars and black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 4391-4398. | 1.6 | 154 |
| 652 | Multidimensional simulations of ultrastripped supernovae to shock breakout. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 3675-3689. | 1.6 | 57 |
| 653 | Gravitational self-force corrections to tidal invariants for particles on eccentric orbits in a Schwarzschild spacetime. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 7 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 654 | Parametrized post-Einsteinian gravitational waveforms in various modified theories of gravity. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 62 |
| 655 | Electromagnetic emission from newly born magnetar spin-down by gravitational-wave and magnetic dipole radiations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 4402-4407. | 1.6 | 26 |
| 656 | GLADE: A galaxy catalogue for multimessenger searches in the advanced gravitational-wave detector era. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 2374-2381. | 1.6 | 129 |
| 657 | An Explosion is Triggered by the Late Collapse of the Compact Remnant from a Neutron Star Merger. <i>Astrophysical Journal</i> , 2018, 864, 4. | 1.6 | 4 |
| 658 | Quasinormal modes as a distinguisher between general relativity and $f(R)$ gravity: charged black-holes. <i>European Physical Journal C</i> , 2018, 78, 1. | 1.4 | 18 |
| 659 | Neutron star mergers chirp about vacuum energy. <i>Journal of High Energy Physics</i> , 2018, 2018, 1. | 1.6 | 12 |
| 660 | Black hole-neutron star mergers using a survey of finite-temperature equations of state. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 22 |
| 661 | Post-Newtonian satellite orbits. <i>Astrophysics and Space Science</i> , 2018, 363, 1. | 0.5 | 0 |
| 662 | All-sky radiometer for narrowband gravitational waves using folded data. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 15 |
| 663 | Relevance of tidal effects and post-merger dynamics for binary neutron star parameter estimation. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 46 |
| 664 | Anomalies in Time Delays of Lensed Gravitational Waves and Dark Matter Substructures. <i>Astrophysical Journal</i> , 2018, 867, 69. | 1.6 | 21 |
| 665 | Constraining the time variation of Newton's constant G with gravitational-wave standard sirens and supernovae. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 052-052. | 1.9 | 53 |
| 666 | Testing velocity-dependent C -violating gravitational forces with radio pulsars. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 23 |
| 667 | Discovery of the Luminous, Decades-long, Extragalactic Radio Transient FIRST J141918.9+394036. <i>Astrophysical Journal Letters</i> , 2018, 866, L22. | 3.0 | 44 |
| 668 | High-precision stellar abundances of the elements: methods and applications. <i>Astronomy and Astrophysics Review</i> , 2018, 26, 1. | 9.1 | 73 |
| 669 | Jet Dynamics in Compact Object Mergers: GW170817 Likely Had a Successful Jet. <i>Astrophysical Journal</i> , 2018, 866, 3. | 1.6 | 55 |
| 670 | Retention of r-process material in dwarf galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 1994-2005. | 1.6 | 29 |
| 671 | Measurements of the Young's modulus of hydroxide catalysis bonds, and the effect on thermal noise in ground-based gravitational wave detectors. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 672 | Primordial black holes and uncertainties in the choice of the window function. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 83 |
| 673 | Remnant baryon mass in neutron star-black hole mergers: Predictions for binary neutron star mimickers and rapidly spinning black holes. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 146 |
| 674 | Comprehensive Study of Ejecta-companion Interaction for Core-collapse Supernovae in Massive Binaries. <i>Astrophysical Journal</i> , 2018, 864, 119. | 1.6 | 32 |
| 675 | Glitch Behavior of Pulsars and Contribution from Neutron Star Crust. <i>Astrophysical Journal</i> , 2018, 866, 94. | 1.6 | 15 |
| 676 | Gravitational waves from dark boson star binary mergers. <i>Classical and Quantum Gravity</i> , 2018, 35, 234002. | 1.5 | 46 |
| 677 | Effects of chiral effective field theory equation of state on binary neutron star mergers. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 37 |
| 678 | Structure of $\langle i \rangle S \langle i \rangle = \hat{a}^2$ Hypernuclei and Hyperon-Hyperon Interactions. <i>Annual Review of Nuclear and Particle Science</i> , 2018, 68, 131-159. | 3.5 | 55 |
| 679 | The Origin of the Prompt Emission for Short GRB 170817A: Photosphere Emission or Synchrotron Emission?. <i>Astrophysical Journal</i> , 2018, 860, 72. | 1.6 | 41 |
| 680 | Nonquenching of $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" \rangle \langle mml:msub \rangle \langle mml:mi \rangle g \langle /mml:mi \rangle \langle mml:mi \rangle A \langle /mml:mi \rangle \langle /mml:msub \rangle \langle /mml:math \rangle$ in nuclei, Landau-Migdal fixed-point theory, and emergence of scale symmetry in dense baryonic matter. <i>Physical Review C</i> , 2018, 98, . | 1.1 | 6 |
| 681 | Critical examination of constraints on the equation of state of dense matter obtained from GW170817. <i>Physical Review C</i> , 2018, 98, . | 1.1 | 238 |
| 682 | Limits on primordial magnetic fields from direct detection experiments of gravitational wave background. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 13 |
| 683 | Non-Gaussian features of primordial gravitational waves. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 5 |
| 684 | Going from asymmetric nuclei to neutron stars to tidal polarizability in gravitational waves. <i>International Journal of Modern Physics E</i> , 2018, 27, 1830006. | 0.4 | 2 |
| 685 | Super-knee Cosmic Rays from Galactic Neutron Star Merger Remnants. <i>Astrophysical Journal</i> , 2018, 866, 51. | 1.6 | 12 |
| 686 | Delayed Jet Breakouts from Binary Neutron Star Mergers. <i>Astrophysical Journal Letters</i> , 2018, 866, L16. | 3.0 | 15 |
| 687 | Operating gravitational wave detectors far from equilibrium. <i>Classical and Quantum Gravity</i> , 2018, 35, 155018. | 1.5 | 0 |
| 688 | Quasinormal modes of a Schwarzschild black hole immersed in an electromagnetic universe. <i>Chinese Physics C</i> , 2018, 42, 105102. | 1.5 | 27 |
| 689 | Multiband gravitational-wave astronomy: Observing binary inspirals with a decihertz detector, B-DECIGO. <i>Progress of Theoretical and Experimental Physics</i> , 2018, 2018, . | 1.8 | 104 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 690 | Constraining some \tilde{m} extra-potentials in modified gravity models with LAGEOS-type laser-ranged geodetic satellites. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 021-021. | 1.9 | 6 |
| 691 | Late-time evolution of afterglows from off-axis neutron star mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 2581-2589. | 1.6 | 52 |
| 692 | Gravitational self-force corrections to tidal invariants for spinning particles on circular orbits in a Schwarzschild spacetime. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 5 |
| 693 | CW170817: Measurements of Neutron Star Radii and Equation of State. <i>Physical Review Letters</i> , 2018, 121, 161101. | 2.9 | 1,473 |
| 694 | A luminous blue kilonova and an off-axis jet from a compact binary merger at $z=0.1341$. <i>Nature Communications</i> , 2018, 9, 4089. | 5.8 | 85 |
| 695 | Exploring the distance-redshift relation with gravitational wave standard sirens and tomographic weak lensing. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 5 |
| 696 | Stealth Schwarzschild solution in shift symmetry breaking theories. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 39 |
| 697 | A two per cent Hubble constant measurement from standard sirens within five years. <i>Nature</i> , 2018, 562, 545-547. | 13.7 | 282 |
| 698 | Detection and characterization of spin-orbit resonances in the advanced gravitational wave detectors era. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 13 |
| 699 | Cosmological impact of future constraints on H_0 from gravitational-wave standard sirens. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 26 |
| 700 | Enriching the symphony of gravitational waves from binary black holes by tuning higher harmonics. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 175 |
| 701 | What are the wild waves saying? Yet another meditation on the predictions, searches for, and detections of gravitational waves. <i>International Journal of Modern Physics D</i> , 2018, 27, 1830009. | 0.9 | 0 |
| 702 | The Enigmatic Spin Evolution of PSR J0537+6910: r-modes, Gravitational Waves, and the Case for Continued Timing. <i>Astrophysical Journal</i> , 2018, 864, 137. | 1.6 | 28 |
| 703 | The R-Process Alliance: 2MASS J09544277+5246414, the Most Actinide-enhanced R-II Star Known. <i>Astrophysical Journal Letters</i> , 2018, 859, L24. | 3.0 | 64 |
| 704 | Effects of \tilde{f}^* and \tilde{f} on the proto-neutron star PSR J0348+0432. <i>Chinese Physics C</i> , 2018, 42, 084105. | 1.5 | 2 |
| 705 | Calibration of advanced Virgo and reconstruction of the gravitational wave signal $h(t)$. <i>ETQq1 1 0.784314 rgBT /Over</i> | 1.5 | 41 |
| 706 | Dynamical signatures of black holes in massive Chern-Simons gravity: Quasibound modes and time evolution. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 10 |
| 707 | Shedding Light on Hexaquarks. <i>International Journal of Modern Physics Conference Series</i> , 2018, 46, 1860033. | 0.7 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 708 | The origin of the first neutron star “neutron star merger. <i>Astronomy and Astrophysics</i> , 2018, 615, A91. | 2.1 | 85 |
| 709 | The R-process Alliance: First Release from the Southern Search for R-process-enhanced Stars in the Galactic Halo*. <i>Astrophysical Journal</i> , 2018, 858, 92. | 1.6 | 111 |
| 710 | Radio Sky Maps of the GRB 170817A Afterglow from Simulations. <i>Astrophysical Journal Letters</i> , 2018, 865, L2. | 3.0 | 13 |
| 711 | Gravitational waves at their own gravitational speed. <i>International Journal of Modern Physics D</i> , 2018, 27, 1847015. | 0.9 | 3 |
| 712 | Binary Systems and Their Nuclear Explosions. <i>Astrophysics and Space Science Library</i> , 2018, , 287-375. | 1.0 | 0 |
| 713 | Mining gravitational-wave catalogs to understand binary stellar evolution: A new hierarchical Bayesian framework. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 64 |
| 714 | Quark deconfinement as a supernova explosion engine for massive blue supergiant stars. <i>Nature Astronomy</i> , 2018, 2, 980-986. | 4.2 | 102 |
| 715 | On the merger rate of primordial black holes: effects of nearest neighbours distribution and clustering. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 043-043. | 1.9 | 77 |
| 716 | Black-hole spectroscopy by making full use of gravitational-wave modeling. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 85 |
| 717 | Laser Power Stabilization beyond the Shot Noise Limit Using Squeezed Light. <i>Physical Review Letters</i> , 2018, 121, 173601. | 2.9 | 25 |
| 718 | Perturbative solutions of the $f(R)$ -theory of gravity in a central gravitational field and some applications. <i>European Physical Journal C</i> , 2018, 78, 1. | 1.4 | 5 |
| 719 | An Analytical Portrait of Binary Mergers in Hierarchical Triple Systems. <i>Astrophysical Journal</i> , 2018, 864, 134. | 1.6 | 66 |
| 720 | The R-Process Alliance: Chemical Abundances for a Trio of r-process-enhanced Stars“One Strong, One Moderate, and One Mild*. <i>Astrophysical Journal</i> , 2018, 864, 43. | 1.6 | 22 |
| 721 | Exclusion of standard $\sim 10\%$ gravitons by LIGO observation. <i>Classical and Quantum Gravity</i> , 2018, 35, 19LT02. | 1.5 | 4 |
| 722 | Exact ghost-free bigravitational waves. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 2 |
| 723 | Bound states and the classical double copy. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 86 |
| 724 | Superluminal motion of a relativistic jet in the neutron-star merger GW170817. <i>Nature</i> , 2018, 561, 355-359. | 13.7 | 381 |
| 725 | Limits on the number of spacetime dimensions from GW170817. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 048-048. | 1.9 | 89 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 726 | Spontaneous Scalarization of Charged Black Holes. <i>Physical Review Letters</i> , 2018, 121, 101102. | 2.9 | 213 |
| 727 | Search for Electron Neutrinos from Gravitational Wave Events at the Baksan Underground Scintillation Telescope. <i>JETP Letters</i> , 2018, 107, 398-401. | 0.4 | 2 |
| 728 | Fermi-LAT Observations of LIGO/Virgo Event GW170817. <i>Astrophysical Journal</i> , 2018, 861, 85. | 1.6 | 32 |
| 729 | Properties of rapidly rotating hot neutron stars with antikaon condensates at constant entropy per baryon. <i>Physical Review C</i> , 2018, 98, . | 1.1 | 4 |
| 730 | Hierarchical Bayesian method for detecting continuous gravitational waves from an ensemble of pulsars. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 15 |
| 731 | Anisotropies in the astrophysical gravitational-wave background: Predictions for the detection of compact binaries by LIGO and Virgo. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 63 |
| 732 | Curvature-matter coupling effects on axial gravitational waves. <i>European Physical Journal C</i> , 2018, 78, 1. | 1.4 | 11 |
| 733 | Compact objects in scalar-tensor theories after GW170817. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 006-006. | 1.9 | 31 |
| 734 | Superfluids and the cosmological constant problem. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 024-024. | 1.9 | 14 |
| 735 | Off-axis emission of short GRB jets from double neutron star mergers and GRB170817A. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 1597-1608. | 1.6 | 64 |
| 736 | Center-of-mass angular momentum and memory effect in asymptotically flat spacetimes. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 45 |
| 737 | Probing gravitational wave polarizations with Advanced LIGO, Advanced Virgo, and KAGRA. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 24 |
| 738 | Sixth mode in massive gravity. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 5 |
| 739 | Particle physics with gravitational wave detector technology. <i>Europhysics Letters</i> , 2018, 123, 41001. | 0.7 | 1 |
| 740 | In-medium enhancement of the modified Urca neutrino reaction rates. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 786, 28-34. | 1.5 | 20 |
| 741 | Graviton-photon oscillation in alternative theories of gravity. <i>Classical and Quantum Gravity</i> , 2018, 35, 205008. | 1.5 | 5 |
| 742 | Comparing two models for measuring the neutron star equation of state from gravitational-wave signals. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 61 |
| 743 | Gravitational self-force corrections to tidal invariants for particles on circular orbits in a Kerr spacetime. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 744 | An acoustical analogue of a galactic-scale gravitational-wave detector. American Journal of Physics, 2018, 86, 755-764. | 0.3 | 2 |
| 745 | Dark matter effects on neutron star properties. Physical Review D, 2018, 97, . | 1.6 | 99 |
| 746 | Fitting rotation curves of galaxies by de Rham-Gabadadze-Tolley massive gravity. Physical Review D, 2018, 98, . | 1.6 | 30 |
| 747 | Gravitational collapse and formation of universal horizons in Einstein-Äther theory. Physical Review D, 2018, 98, . | 1.6 | 14 |
| 748 | Orbital dynamics of a two-body system in the context of a nonlocally mixed IR-UV field theory of gravity. International Journal of Modern Physics D, 2018, 27, 1850117. | 0.9 | 0 |
| 749 | Constraints on Short, Hard Gamma-Ray Burst Beaming Angles from Gravitational Wave Observations. Astrophysical Journal, 2018, 858, 79. | 1.6 | 12 |
| 750 | Spin-precessing black hole binaries in dynamical Chern-Simons gravity. Physical Review D, 2018, 98, . | 1.6 | 20 |
| 751 | On stability of a neutron star system in Palatini gravity. European Physical Journal C, 2018, 78, 1. | 1.4 | 36 |
| 752 | The Polarizations of Gravitational Waves. Universe, 2018, 4, 85. | 0.9 | 37 |
| 753 | Axial anomaly and hadronic properties in a nuclear medium. Physical Review D, 2018, 98, . | 1.6 | 13 |
| 754 | From Nuclei to the Cosmos: Tracing Heavy-Element Production with the Oldest Stars. Annual Review of Nuclear and Particle Science, 2018, 68, 237-269. | 3.5 | 106 |
| 757 | The Einstein Equivalence Principle. , 0, , 11-60. | | 0 |
| 758 | Gravitation as a Geometric Phenomenon. , 0, , 61-77. | | 0 |
| 759 | The Parametrized Post-Newtonian Formalism. , 0, , 78-104. | | 0 |
| 760 | Metric Theories of Gravity and Their Post-Newtonian Limits. , 0, , 105-128. | | 0 |
| 761 | Equations of Motion in the PPN Formalism. , 0, , 129-155. | | 0 |
| 762 | The Classical Tests. , 0, , 156-169. | | 0 |
| 763 | Tests of the Strong Equivalence Principle. , 0, , 170-191. | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 764 | Other Tests of Post-Newtonian Gravity. , 0, , 192-205. | | 0 |
| 765 | Structure and Motion of Compact Objects. , 0, , 206-231. | | 0 |
| 766 | Gravitational Radiation. , 0, , 232-271. | | 0 |
| 767 | Strong-Field and Dynamical Tests of Relativistic Gravity. , 0, , 272-307. | | 0 |
| 769 | Measuring the Viewing Angle of GW170817 with Electromagnetic and Gravitational Waves. Astrophysical Journal Letters, 2018, 860, L2. | 3.0 | 54 |
| 770 | Gravitational Waves in Einstein-Ätther Theory and Generalized TeVeS Theory after GW170817. Universe, 2018, 4, 84. | 0.9 | 20 |
| 771 | Merger Rate Distribution of Primordial Black Hole Binaries. Astrophysical Journal, 2018, 864, 61. | 1.6 | 103 |
| 772 | Testing the variation of the fine structure constant with strongly lensed gravitational waves. Chinese Physics C, 2018, 42, 095104. | 1.5 | 2 |
| 773 | Synergy between ground and space based gravitational wave detectors. Part II: Localisation. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 033-033. | 1.9 | 15 |
| 774 | Towards the design of gravitational-wave detectors for probing neutron-star physics. Physical Review D, 2018, 98, . | 1.6 | 42 |
| 775 | On The Origin of Supernova-less Long Gamma-Ray Bursts. Astrophysical Journal, 2018, 855, 88. | 1.6 | 6 |
| 776 | On parametrized cold dense matter equation-of-state inference. Monthly Notices of the Royal Astronomical Society, 2018, 478, 1093-1131. | 1.6 | 28 |
| 777 | Precise peculiar velocities from gravitational waves accompanied by electromagnetic signals and cosmological applications. Physical Review D, 2018, 98, . | 1.6 | 6 |
| 778 | Equation of state of dense nuclear matter and neutron star structure from nuclear chiral interactions. Astronomy and Astrophysics, 2018, 609, A128. | 2.1 | 69 |
| 779 | The evolution of the X-ray afterglow emission of GW 170817/ GRB 170817A in <i>XMM-Newton</i> observations. Astronomy and Astrophysics, 2018, 613, L1. | 2.1 | 150 |
| 780 | AX-GADGET: a new code for cosmological simulations of Fuzzy Dark Matter and Axion models. Monthly Notices of the Royal Astronomical Society, 2018, 478, 3935-3951. | 1.6 | 58 |
| 781 | Cosmic archaeology with gravitational waves from cosmic strings. Physical Review D, 2018, 97, . | 1.6 | 80 |
| 782 | Improving the absolute accuracy of the gravitational wave detectors by combining the photon pressure and gravity field calibrators. Physical Review D, 2018, 98, . | 1.6 | 16 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 783 | Enhancing confidence in the detection of gravitational waves from compact binaries using signal coherence. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 19 |
| 784 | Tidal Deformabilities and Radii of Neutron Stars from the Observation of GW170817. <i>Physical Review Letters</i> , 2018, 121, 091102. | 2.9 | 454 |
| 785 | The Train Wreck Cluster Abell 520 and the Bullet Cluster 1E0657-558 in a Generalized Theory of Gravitation. <i>Galaxies</i> , 2018, 6, 41. | 1.1 | 20 |
| 786 | The NANOGrav 11 Year Data Set: Pulsar-timing Constraints on the Stochastic Gravitational-wave Background. <i>Astrophysical Journal</i> , 2018, 859, 47. | 1.6 | 331 |
| 787 | Galileon Intermediate Inflation. <i>Astrophysical Journal</i> , 2018, 864, 41. | 1.6 | 11 |
| 788 | Estimating the equation of state from measurements of neutron star radii with 5% accuracy. <i>Astronomy and Astrophysics</i> , 2018, 616, A105. | 2.1 | 11 |
| 789 | Exotic atoms at extremely high magnetic fields: the case of neutron star atmosphere. <i>EPJ Web of Conferences</i> , 2018, 181, 01018. | 0.1 | 0 |
| 790 | Gravitational wave asteroseismology limits from low density nuclear matter and perturbative QCD. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 046-046. | 1.9 | 9 |
| 791 | Testing (modified) gravity with 3D and tomographic cosmic shear. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 3725-3738. | 1.6 | 35 |
| 792 | Disc formation in the collapse of supramassive neutron stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 5272-5285. | 1.6 | 11 |
| 793 | Progenitors of gravitational wave mergers: binary evolution with the stellar grid-based code ComBinE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 1908-1949. | 1.6 | 248 |
| 794 | Binary black hole mergers from globular clusters: the impact of globular cluster properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 5645-5656. | 1.6 | 58 |
| 795 | Neutron star kicks – II. Revision and further testing of the conservation of momentum “kick” model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 5657-5672. | 1.6 | 49 |
| 796 | Polarization of the first-hour macronovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 1008-1015. | 1.6 | 8 |
| 797 | Reconstructing Horndeski theories from phenomenological modified gravity and dark energy models on cosmological scales. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 33 |
| 798 | Different Ways to Estimate Graviton Mass. <i>International Journal of Modern Physics Conference Series</i> , 2018, 47, 1860096. | 0.7 | 9 |
| 799 | Multifractal signatures of gravitational waves detected by LIGO. <i>Proceedings of the International Astronomical Union</i> , 2018, 14, 468-473. | 0.0 | 3 |
| 800 | Nucleosynthesis in stars: The Origin of the Heaviest Elements. <i>Proceedings of the International Astronomical Union</i> , 2018, 14, 79-88. | 0.0 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 801 | Local merger rates of double neutron stars. Proceedings of the International Astronomical Union, 2018, 14, 433-443. | 0.0 | 1 |
| 802 | The black hole spin in coalescing binary black holes and high-mass X-ray binaries. Proceedings of the International Astronomical Union, 2018, 14, 426-432. | 0.0 | 0 |
| 803 | Interpreting GRB170817A as a giant flare from a jet-less double neutron star merger. Astronomy and Astrophysics, 2018, 619, A18. | 2.1 | 17 |
| 804 | Gravitational wave sources from inspiralling globular clusters in the Galactic Centre and similar environments. Monthly Notices of the Royal Astronomical Society, 2018, 477, 4423-4442. | 1.6 | 84 |
| 805 | Host galaxy identification for binary black hole mergers with long baseline gravitational wave detectors. Monthly Notices of the Royal Astronomical Society, 2018, 474, 4385-4395. | 1.6 | 6 |
| 806 | Host galaxy properties of mergers of stellar binary black holes and their implications for advanced LIGO gravitational wave sources. Monthly Notices of the Royal Astronomical Society, 2018, 474, 4997-5007. | 1.6 | 41 |
| 807 | GW170817: a neutron star merger in a mass-transferring triple system. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 474, L12-L16. | 1.2 | 8 |
| 808 | Gravitational waves "A review on the theoretical foundations of gravitational radiation. International Journal of Modern Physics A, 2018, 33, 1830013. | 0.5 | 5 |
| 809 | Inspirals into a charged black hole. Physical Review D, 2018, 97, . | 1.6 | 7 |
| 810 | Energy emission from a high curvature region and its backreaction. Physical Review D, 2018, 97, . | 1.6 | 3 |
| 811 | Self-gravitating axially symmetric disks in general-relativistic rotation. Physical Review D, 2018, 97, . | 1.6 | 18 |
| 812 | Probing gravitational parity violation with gravitational waves from stellar-mass black hole binaries. Physical Review D, 2018, 97, . | 1.6 | 33 |
| 813 | Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background. Physical Review Letters, 2018, 120, 201102. | 2.9 | 85 |
| 814 | Observation of Squeezed Light in the $m=2$ Region. Physical Review Letters, 2018, 120, 203603. | 2.9 | 29 |
| 815 | Vector boson star solutions with a quartic order self-interaction. Physical Review D, 2018, 97, . | 1.6 | 39 |
| 816 | Dilatonic imprints on exact gravitational wave signatures. Physical Review D, 2018, 97, . | 1.6 | 6 |
| 817 | New Class of Quasinormal Modes of Neutron Stars in Scalar-Tensor Gravity. Physical Review Letters, 2018, 120, 201104. | 2.9 | 37 |
| 818 | Nuclear Symmetry Energy and the Breaking of the Isospin Symmetry: How Do They Reconcile with Each Other?. Physical Review Letters, 2018, 120, 202501. | 2.9 | 35 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 819 | GW170817 and the Prospect of Forming Supramassive Remnants in Neutron Star Mergers. <i>Astrophysical Journal</i> , 2018, 858, 74. | 1.6 | 20 |
| 820 | Gravitational self-force on generic bound geodesics in Kerr spacetime. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 71 |
| 821 | General-relativistic rotation: Self-gravitating fluid tori in motion around black holes. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 10 |
| 822 | Turbulence in space plasmas and beyond. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2018, 51, 293001. | 0.7 | 22 |
| 823 | Lepton-rich cold QCD matter in protoneutron stars. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 4 |
| 824 | Classification and unsupervised clustering of LIGO data with Deep Transfer Learning. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 100 |
| 825 | Cosmic transients, Einstein's Equivalence Principle and dark matter halos. <i>Physics of the Dark Universe</i> , 2018, 21, 16-20. | 1.8 | 9 |
| 826 | Primordial gravitational waves, precisely: the role of thermodynamics in the Standard Model. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 035-035. | 1.9 | 134 |
| 827 | Afterglow imaging and polarization of misaligned structured GRB jets and cocoons: breaking the degeneracy in GRB 170817A. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 4128-4141. | 1.6 | 87 |
| 828 | Application of a zero-latency whitening filter to compact binary coalescence gravitational-wave searches. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 4 |
| 829 | Seismic cross-coupling noise in torsion pendulums. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 12 |
| 830 | Measuring the neutron star tidal deformability with equation-of-state-independent relations and gravitational waves. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 99 |
| 831 | Generalized framework for testing gravity with gravitational-wave propagation. I. Formulation. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 121 |
| 832 | Generalized framework for testing gravity with gravitational-wave propagation. II. Constraints on Horndeski theory. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 113 |
| 833 | Optimizing signal recycling for detecting a stochastic gravitational-wave background. <i>Classical and Quantum Gravity</i> , 2018, 35, 125002. | 1.5 | 1 |
| 834 | Cosmic structures and gravitational waves in ghost-free scalar-tensor theories of gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 048-048. | 1.9 | 19 |
| 835 | $\langle f \rangle_T$ gravity after GW170817 and GRB170817A. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 96 |
| 836 | Self-acceleration in scalar-bimetric theories. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 837 | Matter bispectrum beyond Horndeski theories. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 24 |
| 838 | On the Rate and on the Gravitational Wave Emission of Short and Long GRBs. <i>Astrophysical Journal</i> , 2018, 859, 30. | 1.6 | 14 |
| 839 | Suppression of thermal transients in advanced LIGO interferometers using CO ₂ laser preheating. <i>Classical and Quantum Gravity</i> , 2018, 35, 115006. | 1.5 | 3 |
| 840 | Combined Constraints on the Equation of State of Dense Neutron-rich Matter from Terrestrial Nuclear Experiments and Observations of Neutron Stars. <i>Astrophysical Journal</i> , 2018, 859, 90. | 1.6 | 118 |
| 841 | RIO: a new computational framework for accurate initial data of binary black holes. <i>General Relativity and Gravitation</i> , 2018, 50, 1. | 0.7 | 5 |
| 842 | Velocity Memory Effect for polarized gravitational waves. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 030-030. | 1.9 | 45 |
| 843 | Searching for gamma-ray counterparts to gravitational waves from merging binary neutron stars with the Cherenkov Telescope Array. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 056-056. | 1.9 | 13 |
| 844 | Testing the equivalence principle on cosmological scales. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 061-061. | 1.9 | 43 |
| 845 | Far-field phase contrast from orbiting objects: Characterizing progenitors of binary mergers. <i>Physical Review A</i> , 2018, 97, . | 1.0 | 0 |
| 846 | Localization of binary neutron star mergers with second and third generation gravitational-wave detectors. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 31 |
| 847 | Optimization of a composite quadrupole mass at high-speed rotation. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2018, 40, 1. | 0.8 | 18 |
| 848 | Enhanced low-energy α -emission strength of ^{64}Ni and its robustness within the shell model. <i>Physical Review C</i> , 2018, 97, . | 1.1 | 28 |
| 849 | Searching for dark matter with neutron star mergers and quiet kilonovae. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 47 |
| 850 | The THESEUS space mission concept: science case, design and expected performances. <i>Advances in Space Research</i> , 2018, 62, 191-244. | 1.2 | 133 |
| 851 | Double neutron stars: merger rates revisited. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 2937-2958. | 1.6 | 152 |
| 852 | Convective Excitation of Inertial Modes in Binary Neutron Star Mergers. <i>Physical Review Letters</i> , 2018, 120, 221101. | 2.9 | 27 |
| 853 | GW170817 Most Likely Made a Black Hole. <i>Astrophysical Journal Letters</i> , 2018, 859, L23. | 3.0 | 54 |
| 854 | Inflation from a nonlinear magnetic monopole field nonminimally coupled to curvature. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 003-003. | 1.9 | 20 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 855 | A pitfall of piecewise-polytropic equation of state inference. Monthly Notices of the Royal Astronomical Society, 2018, 478, 2177-2192. | 1.6 | 23 |
| 856 | Gravitational grating. Monthly Notices of the Royal Astronomical Society, 2018, 479, 406-414. | 1.6 | 3 |
| 857 | A novel interferometrically read out inertial sensor for future gravitational wave detectors. , 2018, , . | | 5 |
| 858 | Study of hot thermally fissile nuclei using relativistic mean field theory. Journal of Physics G: Nuclear and Particle Physics, 2018, 45, 075102. | 1.4 | 10 |
| 859 | ATLAS: A High-cadence All-sky Survey System. Publications of the Astronomical Society of the Pacific, 2018, 130, 064505. | 1.0 | 569 |
| 860 | Spin-orbit precession along eccentric orbits: Improving the knowledge of self-force corrections and of their effective-one-body counterparts. Physical Review D, 2018, 97, . | 1.6 | 19 |
| 861 | Quasinormal modes of black holes in Horndeski gravity. Physical Review D, 2018, 97, . | 1.6 | 65 |
| 862 | Continued Brightening of the Afterglow of GW170817/GRB 170817A as Being Due to a Delayed Energy Injection. Astrophysical Journal Letters, 2018, 859, L3. | 3.0 | 10 |
| 863 | Prompt gamma-ray emission of GRB 170817A associated to GW 170817: A consistent picture. Monthly Notices of the Royal Astronomical Society, 0, , . | 1.6 | 2 |
| 864 | Can an off-axis gamma-ray burst jet in GW170817 explain all the electromagnetic counterparts?. Progress of Theoretical and Experimental Physics, 2018, 2018, . | 1.8 | 61 |
| 865 | A Magnetar Origin for the Kilonova Ejecta in GW170817. Astrophysical Journal, 2018, 856, 101. | 1.6 | 168 |
| 866 | Indications of an unexpected signal associated with the GW170817 binary neutron star inspiral. Astroparticle Physics, 2018, 103, 1-6. | 1.9 | 5 |
| 867 | Gravitational wave energy emission and detection rates of Primordial Black Hole hyperbolic encounters. Physics of the Dark Universe, 2018, 21, 61-69. | 1.8 | 35 |
| 868 | Impacts of gravitational-wave standard siren observation of the Einstein Telescope on weighing neutrinos in cosmology. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 87-93. | 1.5 | 61 |
| 869 | Free Neutron Ejection from Shock Breakout in Binary Neutron Star Mergers. Astrophysical Journal, 2018, 861, 25. | 1.6 | 16 |
| 870 | THESEUS: A key space mission concept for Multi-Messenger Astrophysics. Advances in Space Research, 2018, 62, 662-682. | 1.2 | 56 |
| 871 | The optical afterglow of the short gamma-ray burst associated with GW170817. Nature Astronomy, 2018, 2, 751-754. | 4.2 | 185 |
| 872 | On gravitational-wave echoes from neutron-star binary coalescences. Classical and Quantum Gravity, 2018, 35, 15LT01. | 1.5 | 47 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 873 | Is the Macronova in GW170817 Powered by the Central Engine?. <i>Astrophysical Journal</i> , 2018, 861, 55. | 1.6 | 28 |
| 874 | Are Small Radii of Compact Stars Ruled out by GW170817/AT2017gfo?. <i>Astrophysical Journal</i> , 2018, 860, 139. | 1.6 | 91 |
| 875 | Doppelgänger dark energy: modified gravity with non-universal couplings after GW170817. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 029-029. | 1.9 | 30 |
| 876 | Particle swarm optimization of the sensitivity of a cryogenic gravitational wave detector. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 15 |
| 877 | New Constraints on Radii and Tidal Deformabilities of Neutron Stars from GW170817. <i>Physical Review Letters</i> , 2018, 120, 261103. | 2.9 | 527 |
| 878 | Three-dimensional GRMHD Simulations of Neutrino-cooled Accretion Disks from Neutron Star Mergers. <i>Astrophysical Journal</i> , 2018, 858, 52. | 1.6 | 166 |
| 879 | Phantom crossing dark energy in Horndeski's theory. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 9 |
| 880 | Reducing the number of templates for aligned-spin compact binary coalescence gravitational wave searches using metric-agnostic template nudging. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 4 |
| 881 | Neutron star merger GW170817 strongly constrains doubly coupled bigravity. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 39 |
| 882 | Infrared modified gravity with propagating torsion: Instability of torsionfull de Sitter-like solutions. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 15 |
| 883 | Can a pure vector gravitational wave mimic a pure tensor one?. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 4 |
| 884 | Constraints on Einstein-aether theory after GW170817. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 99 |
| 885 | Mass Ejection from the Remnant of a Binary Neutron Star Merger: Viscous-radiation Hydrodynamics Study. <i>Astrophysical Journal</i> , 2018, 860, 64. | 1.6 | 183 |
| 886 | Precision Mass Measurements on Neutron-Rich Rare-Earth Isotopes at JYFLTRAP: Reduced Neutron Pairing and Implications for $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle r \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -Process Calculations. <i>Physical Review Letters</i> , 2018, 120, 262701. | 2.9 | 46 |
| 887 | Precision Mass Measurements of Neutron-Rich Neodymium and Samarium Isotopes and Their Role in Understanding Rare-Earth Peak Formation. <i>Physical Review Letters</i> , 2018, 120, 262702. | 2.9 | 55 |
| 888 | Silicon-Based Optical Mirror Coatings for Ultrahigh Precision Metrology and Sensing. <i>Physical Review Letters</i> , 2018, 120, 263602. | 2.9 | 47 |
| 889 | Gravity beyond general relativity. <i>International Journal of Modern Physics D</i> , 2018, 27, 1848001. | 0.9 | 24 |
| 890 | Revival of the fittest: exploding core-collapse supernovae from 12 to 25 M_{\odot} . <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 3091-3108. | 1.6 | 68 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 891 | Review on the progress in nuclear fissionâ€™ experimental methods and theoretical descriptions. Reports on Progress in Physics, 2018, 81, 106301. | 8.1 | 121 |
| 892 | Vainshtein screening in scalar-tensor theories before and after GW170817: Constraints on theories beyond Horndeski. Physical Review D, 2018, 97, . | 1.6 | 85 |
| 893 | Measuring the Hubble constant: Gravitational wave observations meet galaxy clustering. Physical Review D, 2018, 98, . | 1.6 | 42 |
| 894 | Propagation of gravitational waves in strong magnetic fields. Physical Review D, 2018, 98, . | 1.6 | 19 |
| 895 | Penning-Trap Mass Measurements in Atomic and Nuclear Physics. Annual Review of Nuclear and Particle Science, 2018, 68, 45-74. | 3.5 | 60 |
| 896 | Effects of Fallback Accretion on Protomagnetar Outflows in Gamma-Ray Bursts and Superluminous Supernovae. Astrophysical Journal, 2018, 857, 95. | 1.6 | 82 |
| 897 | GRB 170817A as a jet counterpart to gravitational wave trigger GW 170817. Monthly Notices of the Royal Astronomical Society, 2018, 478, 733-740. | 1.6 | 78 |
| 898 | The highest frequency kHz QPOs in neutron star low-mass X-ray binaries. Monthly Notices of the Royal Astronomical Society, 2018, 479, 426-434. | 1.6 | 12 |
| 899 | Polarizations of gravitational waves in Horndeski theory. European Physical Journal C, 2018, 78, 1. | 1.4 | 57 |
| 900 | High-Resolution Numerical Relativity Simulations of Spinning Binary Neutron Star Mergers. , 2018, , . | | 6 |
| 901 | Factors Affecting Exoplanet Habitability. , 2018, , 1-24. | | 4 |
| 902 | Cosmology with Gravitational Wave/Fast Radio Burst Associations. Astrophysical Journal Letters, 2018, 860, L7. | 3.0 | 31 |
| 903 | Gravitational wave echoes from strange stars. Physical Review D, 2018, 97, . | 1.6 | 26 |
| 904 | Astrometric effects of gravitational wave backgrounds with non-Einsteinian polarizations. Physical Review D, 2018, 97, . | 1.6 | 21 |
| 905 | Gravitational-wave astrophysics from neutron star inspiral and coalescence. International Journal of Modern Physics D, 2018, 27, 1843018. | 0.9 | 7 |
| 906 | Constraining the Speed of Sound inside Neutron Stars with Chiral Effective Field Theory Interactions and Observations. Astrophysical Journal, 2018, 860, 149. | 1.6 | 250 |
| 907 | The Gravitational Wave Signal from Core-collapse Supernovae. Astrophysical Journal, 2018, 861, 10. | 1.6 | 111 |
| 908 | Gravitation waves from QCD and electroweak phase transitions. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 31 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 909 | Six flavor quark matter. <i>Journal of High Energy Physics</i> , 2018, 2018, 1. | 1.6 | 26 |
| 910 | The Lynx X-ray Surveyor. <i>Nature Astronomy</i> , 2018, 2, 608-609. Reconstructing $\langle G \rangle$ inflation: From the attractors $\langle n \rangle \langle S \rangle$ and $\langle r \rangle$ | 4.2 | 11 |
| 911 | Parametrizations for tests of gravity. <i>International Journal of Modern Physics D</i> , 2018, 27, 1848002. | 1.6 | 13 |
| 912 | Gravitational waves from first order electroweak phase transition in models with the U(1) X gauge symmetry. <i>Journal of High Energy Physics</i> , 2018, 2018, 1. | 0.9 | 12 |
| 913 | r-Process nucleosynthesis from three-dimensional jet-driven core-collapse supernovae with magnetic misalignments. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 2366-2375. | 1.6 | 35 |
| 914 | Dynamics of compact binary systems in scalar-tensor theories: Equations of motion to the third post-Newtonian order. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 68 |
| 915 | Pulsar glitches in a strangeon star model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 3303-3309. | 1.6 | 47 |
| 916 | Gravitational waves in modified teleparallel theories of gravity. <i>European Physical Journal C</i> , 2018, 78, 474. | 1.6 | 19 |
| 917 | Spitzer Space Telescope Infrared Observations of the Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , 2018, 862, L11. | 1.4 | 42 |
| 918 | Evolution of highly eccentric binary neutron stars including tidal effects. <i>Physical Review D</i> , 2018, 98, . | 3.0 | 30 |
| 919 | Spontaneous growth of spinor fields in gravity. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 35 |
| 920 | Neutron stars and the equation of state. <i>Journal of Astrophysics and Astronomy</i> , 2018, 39, 1. | 1.6 | 24 |
| 921 | Gravitational wave driven mergers and coalescence time of supermassive black holes. <i>Astronomy and Astrophysics</i> , 2018, 615, A71. | 0.4 | 1 |
| 922 | A Simflowny-based finite-difference code for high-performance computing in numerical relativity. <i>Classical and Quantum Gravity</i> , 2018, 35, 185007. | 2.1 | 17 |
| 923 | A Simflowny-based finite-difference code for high-performance computing in numerical relativity. <i>Classical and Quantum Gravity</i> , 2018, 35, 185007. | 1.5 | 26 |
| 924 | Central-engine-powered Bright X-Ray Flares in Short Gamma-Ray Bursts: A Hint of a Black Hole "Neutron Star Merger?". <i>Astrophysical Journal</i> , 2018, 858, 34. | 1.6 | 7 |
| 925 | Production of intense episodic Alfvén pulses: GRMHD simulation of black hole accretion discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 2534-2546. | 1.6 | 14 |
| 926 | Rotating Quark Stars in General Relativity. <i>Universe</i> , 2018, 4, 48. | 0.9 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 927 | Accelerated motion and the self-force in Schwarzschild spacetime. <i>Classical and Quantum Gravity</i> , 2018, 35, 194001. | 1.5 | 13 |
| 928 | Cosmological backgrounds of gravitational waves. <i>Classical and Quantum Gravity</i> , 2018, 35, 163001. | 1.5 | 490 |
| 929 | Anisotropic strange stars in Tolman-Kuchowicz spacetime. <i>European Physical Journal C</i> , 2018, 78, 1. | 1.4 | 59 |
| 930 | Difficulties of quantitative tests of the Kerr-hypothesis with X-ray observations of mass accreting black holes. <i>General Relativity and Gravitation</i> , 2018, 50, 1. | 0.7 | 31 |
| 931 | Valuing Life-Detection Missions. <i>Astrobiology</i> , 2018, 18, 834-840. | 1.5 | 10 |
| 932 | Potential observations of false deviations from general relativity in gravitational wave signals from binary black holes. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 18 |
| 933 | Merger estimates for rotating Kerr black holes in modified gravity. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 27 |
| 934 | Absorption of electromagnetic plane waves by rotating black holes. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 18 |
| 935 | Fundamentals of numerical relativity for gravitational wave sources. <i>Science</i> , 2018, 361, 366-371. | 6.0 | 12 |
| 936 | The Search for Extra-Galactic Intelligence Signals Synchronized with Binary Neutron Star Mergers. <i>Astrophysical Journal Letters</i> , 2018, 862, L21. | 3.0 | 5 |
| 937 | Unified dark energy and dark matter from dynamical spacetime. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 32 |
| 938 | Inferring the population properties of binary neutron stars with gravitational-wave measurements of spin. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 52 |
| 939 | The progenitors of compact-object binaries: impact of metallicity, common envelope and natal kicks. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 2011-2030. | 1.6 | 238 |
| 940 | Rapid detection of gravitational waves from compact binary mergers with PyCBC Live. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 87 |
| 942 | Towards New Constraints in Extended Theories of Gravity: Cosmography and Gravitational-Wave Signals from Neutron Stars. <i>Galaxies</i> , 2018, 6, 28. | 1.1 | 1 |
| 943 | Optimizing searches for electromagnetic counterparts of gravitational wave triggers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 692-702. | 1.6 | 51 |
| 945 | Gravitational wave constraints on dark sector models. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 43 |
| 946 | Neutron star bulk viscosity, $\tilde{\nu}^{\text{spin-flip}}$ and GW emission of newly born magnetars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 1353-1362. | 1.6 | 36 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 947 | Laboratory constraints. International Journal of Modern Physics D, 2018, 27, 1848009. | 0.9 | 23 |
| 948 | Optimization of Finite-Differencing Kernels for Numerical Relativity Applications. Journal of Low Power Electronics and Applications, 2018, 8, 15. | 1.3 | 2 |
| 949 | On Manifestation of In-Medium Effects in Neutron Stars and Heavy-Ion Collisions. Universe, 2018, 4, 28. | 0.9 | 3 |
| 950 | On Cooling of Neutron Stars with a Stiff Equation of State Including Hyperons. Universe, 2018, 4, 29. | 0.9 | 5 |
| 951 | Prospects of Constraining the Dense Matter Equation of State from Timing Analysis of Pulsars in Double Neutron Star Binaries: The Cases of PSR J0737 $\hat{=}$ 3039A and PSR J1757 $\hat{=}$ 1854. Universe, 2018, 4, 36. | 0.9 | 6 |
| 952 | QCD Equations of State in Hadron $\hat{=}$ Quark Continuity. Universe, 2018, 4, 42. | 0.9 | 1 |
| 953 | The Merger of Two Compact Stars: A Tool for Dense Matter Nuclear Physics. Universe, 2018, 4, 50. | 0.9 | 11 |
| 954 | Non-Radial Oscillation Modes of Superfluid Neutron Stars Modeled with CompOSE. Universe, 2018, 4, 53. | 0.9 | 0 |
| 955 | Investigating the Poor Match among Different Precessing Gravitational Waveforms. Universe, 2018, 4, 56. | 0.9 | 0 |
| 956 | Towards a Unified Quark-Hadron-Matter Equation of State for Applications in Astrophysics and Heavy-Ion Collisions. Universe, 2018, 4, 67. | 0.9 | 34 |
| 957 | Overcoming the Standard Quantum Limit in Gravitational Wave Detectors Using Spin Systems with a Negative Effective Mass. Physical Review Letters, 2018, 121, 031101. | 2.9 | 37 |
| 958 | Strong matter: Rethinking philosophically. Science China: Physics, Mechanics and Astronomy, 2018, 61, 1. | 2.0 | 14 |
| 959 | Modified gravitational-wave propagation and standard sirens. Physical Review D, 2018, 98, . | 1.6 | 115 |
| 960 | Dynamical obstruction to perpetual motion from Lorentz-violating black holes. Physical Review D, 2018, 98, . | 1.6 | 6 |
| 961 | Analogue simulation of gravitational waves in a $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 1 \langle \text{mml:mn} \rangle \langle \text{mml:math} \rangle$ -dimensional Bose-Einstein condensate. Physical Review D, 2018, 98, . | 1.6 | 12 |
| 962 | Revisiting the Birkhoff theorem from a dual null point of view. Physical Review D, 2018, 98, . | 1.6 | 3 |
| 963 | Dark energy, \hat{I} -attractors, and large-scale structure surveys. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 041-041. | 1.9 | 101 |
| 964 | The Redshift Completeness of Local Galaxy Catalogs. Astrophysical Journal, 2018, 860, 22. | 1.6 | 14 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 965 | A Long-lived Remnant Neutron Star after GW170817 Inferred from Its Associated Kilonova. <i>Astrophysical Journal</i> , 2018, 861, 114. | 1.6 | 105 |
| 966 | Polarization test of gravitational waves from compact binary coalescences. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 40 |
| 967 | Measuring the Hubble Constant with Neutron Star Black Hole Mergers. <i>Physical Review Letters</i> , 2018, 121, 021303. | 2.9 | 78 |
| 968 | Coincident Detection Significance in Multimessenger Astronomy. <i>Astrophysical Journal</i> , 2018, 860, 6. | 1.6 | 27 |
| 969 | What Powered the Optical Transient AT2017gfo Associated with GW170817?. <i>Astrophysical Journal Letters</i> , 2018, 861, L12. | 3.0 | 71 |
| 970 | Implications of the radio and X-ray emission that followed GW170817. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 407-415. | 1.6 | 64 |
| 971 | dart_board: Binary Population Synthesis with Markov Chain Monte Carlo. <i>Astrophysical Journal, Supplement Series</i> , 2018, 237, 1. | 3.0 | 22 |
| 972 | The exact dynamical Chern–Simons metric for a spinning black hole possesses a fourth constant of motion: a dynamical-systems-based conjecture. <i>Classical and Quantum Gravity</i> , 2018, 35, 165010. | 1.5 | 22 |
| 973 | Constraining the polarization content of gravitational waves with astrometry. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 16 |
| 974 | Cosmology in scalar-vector-tensor theories. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 23 |
| 975 | A Note on QR-Based Model Reduction: Algorithm, Software, and Gravitational Wave Applications. <i>Computing in Science and Engineering</i> , 2018, 20, 10-25. | 1.2 | 7 |
| 976 | Lecture Notes in Cosmology. <i>UNITEXT for Physics</i> , 2018, , . | 0.1 | 30 |
| 977 | Dirichlet Process Gaussian-mixture model: An application to localizing coalescing binary neutron stars with gravitational-wave observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , . | 1.6 | 26 |
| 978 | A morphology-independent data analysis method for detecting and characterizing gravitational wave echoes. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 43 |
| 979 | A special class of solutions in F(R)-gravity. <i>European Physical Journal C</i> , 2018, 78, 1. | 1.4 | 34 |
| 980 | Application of the guided lock technique to Advanced Virgo’s high-finesse cavities using reduced actuation. <i>European Physical Journal Plus</i> , 2018, 133, 1. | 1.2 | 2 |
| 981 | Born–Infeld magnetars: larger than classical toroidal magnetic fields and implications for gravitational-wave astronomy. <i>European Physical Journal C</i> , 2018, 78, 1. | 1.4 | 7 |
| 982 | Testing the anisotropy of the universe using the simulated gravitational wave events from advanced LIGO and Virgo. <i>European Physical Journal C</i> , 2018, 78, 1. | 1.4 | 10 |

| # | ARTICLE | IF | CITATIONS |
|------|--|------|-----------|
| 983 | Observers in Kerr spacetimes: the ergoregion on the equatorial plane. <i>European Physical Journal C</i> , 2018, 78, 1. | 1.4 | 18 |
| 984 | Kicks of magnetized strange quark stars induced by anisotropic emission of neutrinos. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 7 |
| 985 | Relativistic stars in degenerate higher-order scalar-tensor theories after GW170817. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 36 |
| 986 | Dark matter influence on black objects thermodynamics. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 023-023. | 1.9 | 2 |
| 987 | Constraints on cosmic strings using data from the first Advanced LIGO observing run. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 88 |
| 988 | Moment of inertia, quadrupole moment, Love number of neutron star and their relations with strange-matter equations of state. <i>European Physical Journal A</i> , 2018, 54, 1. | 1.0 | 20 |
| 989 | Massive and supermassive black holes in the contemporary and early Universe and problems in cosmology and astrophysics. <i>Physics-Usppekhi</i> , 2018, 61, 115-132. | 0.8 | 30 |
| 990 | White dwarfs and revelations. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 028-028. | 1.9 | 53 |
| 991 | A chirp, a roar and a whisper. <i>Nature</i> , 2018, 554, 178-179. | 13.7 | 2 |
| 992 | Tidally disrupted stars as a possible origin of both cosmic rays and neutrinos at the highest energies. <i>Scientific Reports</i> , 2018, 8, 10828. | 1.6 | 55 |
| 993 | Testing Gravitational Memory Generation with Compact Binary Mergers. <i>Physical Review Letters</i> , 2018, 121, 071102. | 2.9 | 24 |
| 994 | Hypernuclear stars from relativistic Hartree-Fock density functional theory. <i>European Physical Journal A</i> , 2018, 54, 1. | 1.0 | 38 |
| 995 | A magnetically driven origin for the low luminosity GRB 170817A associated with GW170817. <i>Research in Astronomy and Astrophysics</i> , 2018, 18, 067. | 0.7 | 5 |
| 996 | Compact Binary Mergers and the Event Rate of Fast Radio Bursts. <i>Astrophysical Journal</i> , 2018, 858, 89. | 1.6 | 34 |
| 997 | The Diversity of Kilonova Emission in Short Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2018, 860, 62. | 1.6 | 74 |
| 998 | Black Hole and Neutron Star Binary Mergers in Triple Systems: Merger Fraction and Spinâ€œOrbit Misalignment. <i>Astrophysical Journal</i> , 2018, 863, 68. | 1.6 | 107 |
| 999 | Strategies for the follow-up of gravitational wave transients with the Cherenkov Telescope Array. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 639-647. | 1.6 | 9 |
| 1000 | Classification of the Horndeski cosmologies via Noether symmetries. <i>European Physical Journal C</i> , 2018, 78, 447. | 1.4 | 40 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1001 | A Globular Cluster Luminosity Function Distance to NGC 4993 Hosting a Binary Neutron Star Merger GW170817/GRB 170817A. <i>Astrophysical Journal Letters</i> , 2018, 859, L6. | 3.0 | 10 |
| 1002 | Novel matter coupling in general relativity via canonical transformation. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 35 |
| 1003 | Galileon and generalized Galileon with projective invariance in a metric-affine formalism. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 21 |
| 1004 | A Brief Overview of RAON Physics. <i>Journal of the Korean Physical Society</i> , 2018, 73, 516-523. | 0.3 | 20 |
| 1005 | Search for GeV Gamma-Ray Counterparts of Gravitational Wave Events by CALET. <i>Astrophysical Journal</i> , 2018, 863, 160. | 1.6 | 10 |
| 1006 | Accretion in common envelope evolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 1898-1911. | 1.6 | 90 |
| 1007 | Induced Cosmological Constant in Brane Models with a Compact Dimension. <i>Astrophysics</i> , 2018, 61, 375-390. | 0.1 | 4 |
| 1008 | Quasinormal modes of massless scalar fields for charged black holes in the Palatini-type gravity. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 18 |
| 1009 | Inverse structure problem for neutron-star binaries. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 8 |
| 1010 | Gravitational wave echoes through new windows. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 83 |
| 1011 | New color-magnetic defects in dense quark matter. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2018, 45, 065001. | 1.4 | 12 |
| 1012 | Constraining the Ejecta for the Nonthermal Emission from GW 170817. <i>Astrophysical Journal</i> , 2018, 862, 162. | 1.6 | 2 |
| 1013 | Moduli stars. <i>Journal of High Energy Physics</i> , 2018, 2018, 1. | 1.6 | 25 |
| 1014 | Measurement of optical losses in a high-finesse 300Åm filter cavity for broadband quantum noise reduction in gravitational-wave detectors. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 13 |
| 1015 | X-ray guided gravitational-wave search for binary neutron star merger remnants. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 28 |
| 1016 | Gravitational wave polarization from combined Earth-space detectors. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 6 |
| 1017 | Neutron Star Equation of State from the Quark Level in Light of GW170817. <i>Astrophysical Journal</i> , 2018, 862, 98. | 1.6 | 85 |
| 1018 | Cosmological Constraints from Low-Redshift Data. <i>Foundations of Physics</i> , 2018, 48, 1446-1485. | 0.6 | 12 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1019 | Critical phenomena of charged Einstein-Gauss-Bonnet black holes with charged scalar hair. Classical and Quantum Gravity, 2018, 35, 175008. | 1.5 | 9 |
| 1020 | Spinning particles, axion radiation, and the classical double copy. Physical Review D, 2018, 97, . | 1.6 | 96 |
| 1021 | Pulse profiles of highly compact pulsars in general relativity. Physical Review D, 2018, 98, . | 1.6 | 20 |
| 1022 | Neutron Star Tidal Deformabilities Constrained by Nuclear Theory and Experiment. Physical Review Letters, 2018, 121, 062701. | 2.9 | 145 |
| 1023 | Analytical template for gravitational-wave echoes: Signal characterization and prospects of detection with current and future interferometers. Physical Review D, 2018, 98, . | 1.6 | 56 |
| 1024 | Searching for Dark Photon Dark Matter with Gravitational-Wave Detectors. Physical Review Letters, 2018, 121, 061102. | 2.9 | 79 |
| 1025 | Regular black holes in $f(G)$ gravity. European Physical Journal C, 2018, 78, 1. | 1.4 | 37 |
| 1027 | The speed of gravitational waves and power-law solutions in a scalar-tensor model. Astroparticle Physics, 2018, 103, 115-121. | 1.9 | 3 |
| 1028 | Time-delay interferometry and clock-noise calibration. Physical Review D, 2018, 98, . | 1.6 | 39 |
| 1029 | Behind Horndeski: structurally robust higher derivative EFTs. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 26 |
| 1030 | Nuclear physics of the outer layers of accreting neutron stars. Journal of Physics G: Nuclear and Particle Physics, 2018, 45, 093001. | 1.4 | 61 |
| 1031 | Conservative cosmology: combining data with allowance for unknown systematics. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 002-002. | 1.9 | 31 |
| 1032 | Direct detection of gravitational waves can measure the time variation of the Planck mass. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 030-030. | 1.9 | 58 |
| 1033 | Scalar and axial quasinormal modes of massive static phantom wormholes. Physical Review D, 2018, 98, . | 1.6 | 50 |
| 1034 | Stellar binary black holes in the LISA band: a new class of standard sirens. Monthly Notices of the Royal Astronomical Society, 2018, 475, 3485-3492. | 1.6 | 47 |
| 1035 | β^2 -decay Rates for Exotic Nuclei and r-process Nucleosynthesis up to Thorium and Uranium. Astrophysical Journal, 2018, 859, 133. | 1.6 | 18 |
| 1036 | Expected neutrino fluence from short Gamma-Ray Burst 170817A and off-axis angle constraints. Monthly Notices of the Royal Astronomical Society, 2018, 476, 1191-1197. | 1.6 | 28 |
| 1037 | Numerical relativity simulations of precessing binary neutron star mergers. Physical Review D, 2018, 97, . | 1.6 | 29 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1038 | Gravitational waves from quasinormal modes of a class of Lorentzian wormholes. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 52 |
| 1039 | Horndeski theories confront the Gravity Probe B experiment. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 30 |
| 1040 | Stability of Black Holes and the Speed of Gravitational Waves within Self-Tuning Cosmological Models. <i>Physical Review Letters</i> , 2018, 120, 241101. | 2.9 | 66 |
| 1041 | Bardeen regular black hole with an electric source. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 025-025. | 1.9 | 44 |
| 1042 | Late Time Afterglow Observations Reveal a Collimated Relativistic Jet in the Ejecta of the Binary Neutron Star Merger GW170817. <i>Physical Review Letters</i> , 2018, 120, 241103. | 2.9 | 241 |
| 1043 | Dynamical systems analysis of the cubic galileon beyond the exponential potential and the cosmological analogue of the vDVZ discontinuity. <i>Classical and Quantum Gravity</i> , 2018, 35, 145001. | 1.5 | 12 |
| 1044 | Smarr integral formula of D-dimensional stationary spacetimes in Einstein-Äther-Maxwell theory. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 782, 723-727. | 1.5 | 7 |
| 1045 | Comments on scattering in massive gravity, vDVZ and BCFW. <i>Classical and Quantum Gravity</i> , 2018, 35, 155005. | 1.5 | 4 |
| 1046 | Factorization and resummation: A new paradigm to improve gravitational wave amplitudes. II. The higher multipolar modes. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 28 |
| 1047 | Phase Transition Effects on the Dynamical Stability of Hybrid Neutron Stars. <i>Astrophysical Journal</i> , 2018, 860, 12. | 1.6 | 76 |
| 1048 | The Allowed Parameter Space of a Long-lived Neutron Star as the Merger Remnant of GW170817. <i>Astrophysical Journal</i> , 2018, 860, 57. | 1.6 | 84 |
| 1049 | Local fragmentation of thin discs in Eddington-inspired gravity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 1287-1296. | 1.6 | 10 |
| 1050 | Global simulations of strongly magnetized remnant massive neutron stars formed in binary neutron star mergers. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 135 |
| 1051 | Compactness of neutron stars and Tolman VII solutions in scalar-tensor gravity. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 11 |
| 1052 | Gravitational-wave luminosity distance in modified gravity theories. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 114 |
| 1053 | Black hole echology: The observer's manual. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 50 |
| 1054 | Gravitational waves from spinning binary black holes at the leading post-Newtonian orders at all orders in spin. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 15 |
| 1055 | Numerical relativity of compact binaries in the 21st century. <i>Reports on Progress in Physics</i> , 2019, 82, 016902. | 8.1 | 56 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1056 | Space gravitational-wave antennas DECIGO and B-DECIGO. International Journal of Modern Physics D, 2019, 28, 1845001. | 0.9 | 73 |
| 1057 | Minimally modified gravity: a Hamiltonian construction. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 049-049. | 1.9 | 40 |
| 1058 | Are fast radio bursts the most likely electromagnetic counterpart of neutron star mergers resulting in prompt collapse?. Physical Review D, 2019, 100, . | 1.6 | 11 |
| 1059 | Reverse Shock Emission Revealed in Early Photometry in the Candidate Short GRB 180418A. Astrophysical Journal, 2019, 881, 12. | 1.6 | 21 |
| 1060 | Double Neutron Star Populations and Formation Channels. Astrophysical Journal Letters, 2019, 880, L8. | 3.0 | 63 |
| 1061 | Detection of gamma-ray bursts with the AGILE MCAL. Rendiconti Lincei, 2019, 30, 271-275. | 1.0 | 0 |
| 1062 | INTEGRAL search for GW counterparts and the GRB170817A/GW170817 detection. Rendiconti Lincei, 2019, 30, 65-70. | 1.0 | 4 |
| 1063 | Oscillating solutions of the matter density contrast in Horndeski's theory. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 054-054. | 1.9 | 4 |
| 1064 | Gravitational waves from global cosmic strings in quintessential inflation. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 034-034. | 1.9 | 32 |
| 1065 | The X-shooter GRB afterglow legacy sample (XS-GRB). Astronomy and Astrophysics, 2019, 623, A92. | 2.1 | 47 |
| 1066 | Extreme brightness laser-based neutron pulses as a pathway for investigating nucleosynthesis in the laboratory. Matter and Radiation at Extremes, 2019, 4, . | 1.5 | 23 |
| 1067 | Spectroscopy of electro-produced hypernuclei at JLab. AIP Conference Proceedings, 2019, , . | 0.3 | 2 |
| 1068 | Millisecond Pulsars and Black Holes in Globular Clusters. Astrophysical Journal, 2019, 877, 122. | 1.6 | 63 |
| 1069 | Science with the TianQin observatory: Preliminary results on massive black hole binaries. Physical Review D, 2019, 100, . | 1.6 | 64 |
| 1070 | From polarized gravitational waves to analytically solvable electromagnetic beams. Physical Review D, 2019, 100, . | 1.6 | 14 |
| 1071 | Effective field theory of black hole quasinormal modes in scalar-tensor theories. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 53 |
| 1072 | Constraints on mediator-based dark matter and scalar dark energy models using $\sqrt{s} = 13$ TeV pp collision data collected by the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 49 |
| 1073 | Neutron star pulse profile observations as extreme gravity probes. Classical and Quantum Gravity, 2019, 36, 17LT01. | 1.5 | 8 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1074 | Stable optical rigidity based on dissipative coupling. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2019, 52, 155401. | 0.6 | 5 |
| 1075 | Determination of the density region of the symmetry energy probed by the $\frac{\pi^-}{\pi^+}$ ratio. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2019, 46, 105105. | 1.4 | 7 |
| 1076 | Polytropic stars in Palatini gravity. <i>European Physical Journal C</i> , 2019, 79, 1. | 1.4 | 32 |
| 1077 | GRID: a student project to monitor the transient gamma-ray sky in the multi-messenger astronomy era. <i>Experimental Astronomy</i> , 2019, 48, 77-95. | 1.6 | 38 |
| 1078 | Fusing numerical relativity and deep learning to detect higher-order multipole waveforms from eccentric binary black hole mergers. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 25 |
| 1079 | Equation-of-state constraints and the QCD phase transition in the era of gravitational-wave astronomy. <i>AIP Conference Proceedings</i> , 2019, , . | 0.3 | 45 |
| 1080 | Direct test of the FLRW metric from strongly lensed gravitational wave observations. <i>Scientific Reports</i> , 2019, 9, 11608. | 1.6 | 57 |
| 1081 | Neutron skins of atomic nuclei: per aspera ad astra. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2019, 46, 093003. | 1.4 | 83 |
| 1082 | 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. | 3.0 | 41 |
| 1083 | Variational Discretizations of Gauge Field Theories Using Group-Equivariant Interpolation. <i>Foundations of Computational Mathematics</i> , 2019, 19, 965-989. | 1.5 | 5 |
| 1084 | Looking for ancillary signals around GW150914. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 007-007. | 1.9 | 1 |
| 1085 | GW170817: The Energy Extraction Process of the Off-axis Relativistic Outflow and the Constraint on the Equation of State of Neutron Stars. <i>Astrophysical Journal</i> , 2019, 877, 2. | 1.6 | 22 |
| 1086 | Late-time Kilonova Light Curves and Implications to GW170817. <i>Astrophysical Journal</i> , 2019, 878, 93. | 1.6 | 30 |
| 1087 | Actinide-rich and Actinide-poor r-process-enhanced Metal-poor Stars Do Not Require Separate r-process Progenitors. <i>Astrophysical Journal</i> , 2019, 881, 5. | 1.6 | 36 |
| 1088 | Gravitational Waves and Extra Dimensions: A Short Review. <i>Communications in Theoretical Physics</i> , 2019, 71, 991. | 1.1 | 24 |
| 1089 | Niederer's transformation, time-dependent oscillators and polarized gravitational waves. <i>Classical and Quantum Gravity</i> , 2019, 36, 155008. | 1.5 | 13 |
| 1090 | Multi-detector null-stream-based χ^2 statistic for compact binary coalescence searches. <i>Classical and Quantum Gravity</i> , 2019, 36, 195012. | 1.5 | 2 |
| 1091 | Cosmology and dark energy from joint gravitational wave-GRB observations. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 015-015. | 1.9 | 72 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1092 | Reexamining Ginzburg-Landau theory for neutron P23 superfluidity in neutron stars. <i>Physical Review C</i> , 2019, 100, . | 1.1 | 16 |
| 1093 | Constraint to chiral invariant masses of nucleons from GW170817 in an extended parity doublet model. <i>Physical Review C</i> , 2019, 100, . | 1.1 | 14 |
| 1094 | Akmal-Pandharipande-Ravenhall equation of state for simulations of supernovae, neutron stars, and binary mergers. <i>Physical Review C</i> , 2019, 100, . | 1.1 | 49 |
| 1095 | Two-body potential of Vainshtein screened theories. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 10 |
| 1096 | Conservative dynamics of binary systems to fourth post-Newtonian order in the EFT approach. I. Regularized Lagrangian. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 64 |
| 1097 | Phenomenological model for the gravitational-wave signal from precessing binary black holes with two-spin effects. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 136 |
| 1098 | Finite size effects on the light curves of slowly-rotating neutron stars. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 3 |
| 1099 | Black hole accretion disk diffuse neutrino background. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 6 |
| 1100 | Differentially rotating strange star in general relativity. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 18 |
| 1101 | Lunar laser ranging constraints on nonminimally coupled dark energy and standard sirens. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 14 |
| 1102 | Improving the NRTidal model for binary neutron star systems. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 119 |
| 1103 | Exploring strong-field deviations from general relativity via gravitational waves. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 19 |
| 1104 | Gravitational-wave amplitudes for compact binaries in eccentric orbits at the third post-Newtonian order: Tail contributions and postadiabatic corrections. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 21 |
| 1105 | Mixing of gravitational wave echoes. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 9 |
| 1106 | Parametrized post-Newtonian-Vainshteinian formalism for the Galileon field. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 6 |
| 1107 | Black hole spin axis in numerical relativity. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 6 |
| 1108 | Random projections in gravitational wave searches of compact binaries. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 2 |
| 1109 | Converting the signal-recycling cavity into an unstable optomechanical filter to enhance the detection bandwidth of gravitational-wave detectors. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 15 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1128 | History of Gauge Theory. , 2019, , 3-13. | | 0 |
| 1129 | Lessons from the light of a neutron star merger. Annals of Physics, 2019, 410, 167923. | 1.0 | 5 |
| 1130 | Search for electron neutrinos associated with gravitational-wave events at the Baksan Underground Scintillation Telescope. Journal of Physics: Conference Series, 2019, 1181, 012058. | 0.3 | 0 |
| 1131 | Constraining compact star properties with nuclear saturation parameters. Physical Review C, 2019, 100, . | 1.1 | 32 |
| 1132 | Hybrid equation of state with pasta phases, and third family of compact stars. Physical Review C, 2019, 100, . | 1.1 | 49 |
| 1133 | <i>Ab initio</i> constraints on thermal effects of the nuclear equation of state. Physical Review C, 2019, 100, . | 1.1 | 52 |
| 1134 | Constraint on the maximum mass of neutron stars using GW170817 event. Physical Review D, 2019, 100, . | 1.6 | 219 |
| 1135 | Surrogate model for an aligned-spin effective-one-body waveform model of binary neutron star inspirals using Gaussian process regression. Physical Review D, 2019, 100, . | 1.6 | 57 |
| 1136 | Prospects for gravitational-wave polarization tests from compact binary mergers with future ground-based detectors. Physical Review D, 2019, 100, . | 1.6 | 19 |
| 1137 | Can a black hole–neutron star merger explain GW170817, AT2017gfo, and GRB170817A?. Physical Review D, 2019, 100, . | 1.6 | 38 |
| 1138 | Dynamical stability of quasitoroidal differentially rotating neutron stars. Physical Review D, 2019, 100, . | 1.6 | 13 |
| 1139 | Deep-learning continuous gravitational waves. Physical Review D, 2019, 100, . | 1.6 | 59 |
| 1140 | Minimum main sequence mass in quadratic Palatini $f(R)$ gravity. Physical Review D, 2019, 100, . | 1.6 | 38 |
| 1141 | Exterior spacetime of relativistic stars in scalar-Gauss-Bonnet gravity. Physical Review D, 2019, 100, . | 1.6 | 7 |
| 1142 | Prospects for axion searches with Advanced LIGO through binary mergers. Physical Review D, 2019, 99, . | 1.6 | 51 |
| 1143 | Convolution Lagrangian perturbation theory for biased tracers beyond general relativity. Physical Review D, 2019, 99, . | 1.6 | 14 |
| 1144 | Stable singularity-free cosmological solutions in nonprojectable Horava-Lifshitz gravity. Physical Review D, 2019, 99, . | 1.6 | 5 |
| 1145 | Neutron star structure in the presence of nonminimally coupled scalar fields. Physical Review D, 2019, 99, . | 1.6 | 15 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1146 | Standard sirens with a running Planck mass. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 71 |
| 1147 | Preliminary study on parameter estimation accuracy of supermassive black hole binary inspirals for TianQin. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 46 |
| 1148 | Observational constraints in nonlocal gravity: the Deser-Woodard case. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 045-045. | 1.9 | 20 |
| 1149 | Novel self-consistent mean field approximation and its application in strong interaction phase transitions *. <i>Chinese Physics C</i> , 2019, 43, 084102. | 1.5 | 21 |
| 1150 | Constraints on hybrid neutron stars equation of state from neutron stars merging. <i>European Physical Journal A</i> , 2019, 55, 1. | 1.0 | 1 |
| 1151 | Pseudoconformal equation of state in compact-star matter from topology change and hidden symmetries of QCD. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1. | 2.0 | 7 |
| 1152 | Direct detection of WIMP dark matter: concepts and status. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2019, 46, 103003. | 1.4 | 274 |
| 1153 | The Zwicky Transient Facility: Science Objectives. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 078001. | 1.0 | 453 |
| 1154 | Bayesian Analysis for Extracting Properties of the Nuclear Equation of State from Observational Data Including Tidal Deformability from GW170817. <i>Universe</i> , 2019, 5, 61. | 0.9 | 21 |
| 1155 | From the microscopic to the macroscopic world: from nucleons to neutron stars. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2019, 46, 103001. | 1.4 | 26 |
| 1156 | Testing modified gravity at cosmological distances with LISA standard sirens. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 024-024. | 1.9 | 129 |
| 1157 | Electrically charged strange quark stars with a non-linear equation-of-state. <i>European Physical Journal C</i> , 2019, 79, 1. | 1.4 | 22 |
| 1158 | Parity Doubling in QCD Thermodynamics. <i>Proceedings (mdpi)</i> , 2019, 13, . | 0.2 | 1 |
| 1159 | Observing the Dark Sector. <i>Universe</i> , 2019, 5, 137. | 0.9 | 6 |
| 1160 | Estimating the Variation of Neutron Star Observables by Dense Symmetric Nuclear Matter Properties. <i>Universe</i> , 2019, 5, 153. | 0.9 | 7 |
| 1161 | High density with elliptic flows. <i>AIP Conference Proceedings</i> , 2019, , . | 0.3 | 7 |
| 1162 | The delay time of gravitational wave "gamma-ray burst associations. <i>Frontiers of Physics</i> , 2019, 14, 1. | 2.4 | 38 |
| 1163 | The prevalence of repeating fast radio bursts. <i>Nature Astronomy</i> , 2019, 3, 928-931. | 4.2 | 90 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1164 | Two New Hyperon Coupling Models in the Light of the Massive Neutron Star PSR J0348+0432*. Communications in Theoretical Physics, 2019, 71, 819. | 1.1 | 3 |
| 1165 | Hunting for extra dimensions in the shadow of M87*. Physical Review D, 2019, 100, . | 1.6 | 224 |
| 1166 | Physics of Weibel-Mediated Relativistic Collisionless Shocks. Physical Review Letters, 2019, 123, 035101. | 2.9 | 35 |
| 1167 | When Did the Remnant of GW170817 Collapse to a Black Hole?. Astrophysical Journal, 2019, 876, 139. | 1.6 | 78 |
| 1168 | Finding the Remnants of the Milky Way's Last Neutron Star Mergers. Astrophysical Journal, 2019, 880, 23. | 1.6 | 26 |
| 1169 | The Gravitational waves merger time distribution of binary neutron star systems. Monthly Notices of the Royal Astronomical Society, 2019, 487, 4847-4854. | 1.6 | 59 |
| 1170 | Fast-rising blue optical transients and AT2018cow following electron-capture collapse of merged white dwarfs. Monthly Notices of the Royal Astronomical Society, 2019, 487, 5618-5629. | 1.6 | 40 |
| 1171 | Plerion model of the X-ray plateau in short gamma-ray bursts. Monthly Notices of the Royal Astronomical Society, 2019, 487, 5010-5018. | 1.6 | 11 |
| 1172 | Spectral puzzle of the off-axis gamma-ray burst in GW170817. Monthly Notices of the Royal Astronomical Society, 2019, 487, 4884-4889. | 1.6 | 50 |
| 1173 | Black hole and neutron star mergers in galactic nuclei. Monthly Notices of the Royal Astronomical Society, 2019, 488, 47-63. | 1.6 | 130 |
| 1174 | Topology change and nuclear symmetry energy in compact-star matter. Physical Review C, 2019, 99, . | 1.1 | 2 |
| 1175 | Neutron Star Mass and Radius Measurements. Universe, 2019, 5, 159. | 0.9 | 42 |
| 1176 | Cosmic opacity: Cosmological-model-independent tests from gravitational waves and Type Ia Supernova. Physics of the Dark Universe, 2019, 26, 100338. | 1.8 | 33 |
| 1177 | On the Properties of a Newborn Magnetar Powering the X-Ray Transient CDF-S XT2. Astrophysical Journal Letters, 2019, 879, L7. | 3.0 | 21 |
| 1178 | Maximum Mass of Differentially Rotating Strange Quark Stars. Astrophysical Journal, 2019, 879, 44. | 1.6 | 9 |
| 1179 | Cooling Timescale for Protoneutron Stars and Properties of Nuclear Matter: Effective Mass and Symmetry Energy at High Densities. Astrophysical Journal, 2019, 878, 25. | 1.6 | 33 |
| 1180 | Lecture Notes on Gravitational Waves. Journal of Physics: Conference Series, 2019, 1263, 012008. | 0.3 | 3 |
| 1181 | Nonlinear matter terms in general scalar-tensor braneworld cosmology. International Journal of Modern Physics D, 2019, 28, 1950138. | 0.9 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1182 | Constraining the Inclinations of Binary Mergers from Gravitational-wave Observations. <i>Astrophysical Journal</i> , 2019, 877, 82. | 1.6 | 42 |
| 1183 | A Bit of Philosophy, or What Has a Razor to Do with Ball Lightning?. , 2019, , 21-28. | | 0 |
| 1184 | A Hubble constant measurement from superluminal motion of the jet in GW170817. <i>Nature Astronomy</i> , 2019, 3, 940-944. | 4.2 | 201 |
| 1185 | Dark energy and modified gravity in degenerate higher-order scalar-tensor (DHOST) theories: A review. <i>International Journal of Modern Physics D</i> , 2019, 28, 1942006. | 0.9 | 169 |
| 1186 | Exponentially Decaying Extended Emissions Following Short Gamma-Ray Bursts with a Possible Luminosity-E-folding Time Correlation. <i>Astrophysical Journal</i> , 2019, 877, 147. | 1.6 | 10 |
| 1187 | Sub-threshold Binary Neutron Star Search in Advanced LIGO's First Observing Run. <i>Astrophysical Journal Letters</i> , 2019, 878, L17. | 3.0 | 21 |
| 1188 | Fast radio bursts. <i>Astronomy and Astrophysics Review</i> , 2019, 27, 1. | 9.1 | 369 |
| 1189 | Massive runaway and walkaway stars. <i>Astronomy and Astrophysics</i> , 2019, 624, A66. | 2.1 | 131 |
| 1190 | Rainbow scattering of gravitational plane waves by a compact body. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 9 |
| 1191 | Scalar radiation from a source rotating around a regular black hole. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 8 |
| 1192 | Classifying the unknown: Discovering novel gravitational-wave detector glitches using similarity learning. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 29 |
| 1193 | Quantum simulation of dark energy candidates. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 6 |
| 1194 | Narrow-band search for gravitational waves from known pulsars using the second LIGO observing run. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 60 |
| 1195 | Searches for Gravitational Waves from Known Pulsars at Two Harmonics in 2015-2017 LIGO Data. <i>Astrophysical Journal</i> , 2019, 879, 10. | 1.6 | 88 |
| 1196 | On-axis scattering of scalar fields by charged rotating black holes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 795, 496-501. | 1.5 | 11 |
| 1197 | All-sky search for short gravitational-wave bursts in the second Advanced LIGO and Advanced Virgo run. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 54 |
| 1198 | On the road to 1 percent accuracy: non-linear reaction of the matter power spectrum to dark energy and modified gravity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 2121-2142. | 1.6 | 67 |
| 1199 | Vainshtein regime in scalar-tensor gravity: Constraints on degenerate higher-order scalar-tensor theories. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 59 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1200 | Census of the Local Universe (CLU) Narrowband Survey. I. Galaxy Catalogs from Preliminary Fields. <i>Astrophysical Journal</i> , 2019, 880, 7. | 1.6 | 43 |
| 1201 | The Multi-messenger Matrix: The Future of Neutron Star Merger Constraints on the Nuclear Equation of State. <i>Astrophysical Journal Letters</i> , 2019, 880, L15. | 3.0 | 86 |
| 1202 | First cryogenic test operation of underground km-scale gravitational-wave observatory KAGRA. <i>Classical and Quantum Gravity</i> , 2019, 36, 165008. | 1.5 | 45 |
| 1203 | From micro to macro and back: probing near-horizon quantum structures with gravitational waves. <i>Classical and Quantum Gravity</i> , 2019, 36, 167001. | 1.5 | 22 |
| 1204 | Full transport model of GW170817-like disk produces a blue kilonova. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 135 |
| 1205 | Linear stability analysis of hairy black holes in quadratic degenerate higher-order scalar-tensor theories: Odd-parity perturbations. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 44 |
| 1206 | Combined Rastall and rainbow theories of gravity with applications to neutron stars. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 37 |
| 1207 | Capture of leptophilic dark matter in neutron stars. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 054-054. | 1.9 | 64 |
| 1208 | Towards understanding astrophysical effects of nuclear symmetry energy. <i>European Physical Journal A</i> , 2019, 55, 1. | 1.0 | 133 |
| 1209 | Gravitational-wave parameter estimation with gaps in LISA: A Bayesian data augmentation method. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 28 |
| 1210 | Gravitational waves in $F(R)$ gravity: Scalar waves and the chameleon mechanism. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 34 |
| 1211 | Jet Geometry and Rate Estimate of Coincident Gamma-Ray Burst and Gravitational-wave Observations. <i>Astrophysical Journal</i> , 2019, 880, 55. | 1.6 | 13 |
| 1212 | New Probe of Gravity: Strongly Lensed Gravitational-wave Multimessenger Approach. <i>Astrophysical Journal</i> , 2019, 880, 50. | 1.6 | 14 |
| 1213 | Search of QCD phase transition points in the canonical approach of the NJL model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 795, 548-553. | 1.5 | 8 |
| 1214 | Listening to the sound of dark sector interactions with gravitational wave standard sirens. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 037-037. | 1.9 | 77 |
| 1215 | Models and Simulations for the Photometric LSST Astronomical Time Series Classification Challenge (PLAsTiCC). <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 094501. | 1.0 | 85 |
| 1216 | Fundamental oscillation modes of self-interacting bosonic dark stars. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 051-051. | 1.9 | 5 |
| 1217 | Electric and magnetic dipole modes in high-resolution inelastic proton scattering at 0° . <i>European Physical Journal A</i> , 2019, 55, 1. | 1.0 | 33 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1218 | Binary Neutron Star (BNS) Merger: What We Learned from Relativistic Ejecta of GW/GRB 170817A. <i>Physics</i> , 2019, 1, 194-228. | 0.5 | 2 |
| 1219 | Thermodynamics conditions of matter in neutron star mergers. <i>European Physical Journal A</i> , 2019, 55, 1. | 1.0 | 103 |
| 1220 | Observable features of GW170817 kilonova afterglow. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 3914-3921. | 1.6 | 35 |
| 1221 | Predictions of nuclear β -decay half-lives with machine learning and their impact on r -process nucleosynthesis. <i>Physical Review C</i> , 2019, 99, . | 1.1 | 68 |
| 1222 | Astronomical data fusion: recent progress and future prospects – a survey. <i>Experimental Astronomy</i> , 2019, 47, 359-380. | 1.6 | 4 |
| 1223 | Dependence of the outer boundary condition on protoneutron star asteroseismology with gravitational-wave signatures. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 27 |
| 1224 | Confronting gravitational-wave observations with modern nuclear physics constraints. <i>European Physical Journal A</i> , 2019, 55, 1. | 1.0 | 83 |
| 1225 | Primordial gravastar from inflation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 795, 314-318. | 1.5 | 12 |
| 1226 | Neutron-rich matter in heaven and on Earth. <i>Physics Today</i> , 2019, 72, 30-37. | 0.3 | 25 |
| 1227 | Multipole analysis for linearized $f(R, \mathcal{G})$ gravity with irreducible Cartesian tensors. <i>European Physical Journal C</i> , 2019, 79, 1. | 1.4 | 3 |
| 1228 | Detecting the Hadron-Quark Phase Transition with Gravitational Waves. <i>Universe</i> , 2019, 5, 156. | 0.9 | 14 |
| 1229 | Using failed supernovae to constrain the Galactic r -process element production. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 1745-1753. | 1.6 | 22 |
| 1230 | Cosmological Tests of Gravity. <i>Annual Review of Astronomy and Astrophysics</i> , 2019, 57, 335-374. | 8.1 | 111 |
| 1231 | Isvector Effects in Neutron Stars, Radii, and the GW170817 Constraint. <i>Astrophysical Journal</i> , 2019, 878, 159. | 1.6 | 24 |
| 1232 | Self-Destructing Dark Matter. <i>Journal of High Energy Physics</i> , 2019, 2019, 1. | 1.6 | 13 |
| 1233 | Light-curve models of black hole – neutron star mergers: steps towards a multi-messenger parameter estimation. <i>Astronomy and Astrophysics</i> , 2019, 625, A152. | 2.1 | 60 |
| 1234 | Dark halos around neutron stars and gravitational waves. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 012-012. | 1.9 | 59 |
| 1235 | Gravitational self-force regularization in the Regge-Wheeler and easy gauges. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 10 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1236 | Hair-dressing Horndeski: An approach for obtaining hairy solutions in cubic Horndeski gravity. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 9 |
| 1237 | Tests of General Relativity with GW170817. <i>Physical Review Letters</i> , 2019, 123, 011102. | 2.9 | 370 |
| 1239 | Thermodynamics of neutrons in a magnetic field and its implications for neutron stars. <i>Physical Review C</i> , 2019, 99, . | 1.1 | 26 |
| 1240 | Grids of stellar models with rotation. <i>Astronomy and Astrophysics</i> , 2019, 627, A24. | 2.1 | 53 |
| 1241 | The astrophysics of nanohertz gravitational waves. <i>Astronomy and Astrophysics Review</i> , 2019, 27, 1. | 9.1 | 166 |
| 1242 | Applicability of relativistic point-coupling models to neutron star physics. <i>AIP Conference Proceedings</i> , 2019, , . | 0.3 | 4 |
| 1243 | Astrophysical science metrics for next-generation gravitational-wave detectors. <i>Classical and Quantum Gravity</i> , 2019, 36, 245010. | 1.5 | 27 |
| 1244 | Design and experimental demonstration of a laser modulation system for future gravitational-wave detectors. <i>Classical and Quantum Gravity</i> , 2019, 36, 205009. | 1.5 | 4 |
| 1245 | Conformal gravity: light deflection revisited and the galactic rotation curve failure. <i>Classical and Quantum Gravity</i> , 2019, 36, 245014. | 1.5 | 9 |
| 1246 | A 6D interferometric inertial isolation system. <i>Classical and Quantum Gravity</i> , 2019, 36, 245006. | 1.5 | 25 |
| 1247 | Late-time acceleration by a residual cosmological constant from sequestering vacuum energy in ultimate collapsed structures. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 065-065. | 1.9 | 3 |
| 1248 | Limitations on Standard Sirens tests of gravity from screening. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 013-013. | 1.9 | 23 |
| 1249 | The prospects of using gravitational waves for constraining the anisotropy of the Universe. <i>Chinese Physics C</i> , 2019, 43, 075102. | 1.5 | 3 |
| 1250 | Localization of binary black hole mergers with known inclination. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 4459-4463. | 1.6 | 14 |
| 1251 | Spitzer mid-infrared detections of neutron star merger GW170817 suggests synthesis of the heaviest elements. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2021, 510, L7-L12. | 1.2 | 64 |
| 1252 | Scattering of massless bosonic fields by Kerr black holes: On-axis incidence. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 5 |
| 1253 | Static compact objects in Einstein-Cartan theory. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 7 |
| 1254 | Measuring Spin of the Remnant Black Hole from Maximum Amplitude. <i>Physical Review Letters</i> , 2019, 123, 151101. | 2.9 | 6 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1255 | Equation of state and sound velocity in hybrid stars with a Dyson-Schwinger quark model. <i>Modern Physics Letters A</i> , 2019, 34, 1950202. | 0.5 | 4 |
| 1256 | Phenomenologically viable gravitational theory based on a preferred foliation without extra modes. <i>General Relativity and Gravitation</i> , 2019, 51, 1. | 0.7 | 1 |
| 1257 | Gravitational wave observations and future detectors. <i>Rendiconti Lincei</i> , 2019, 30, 57-64. | 1.0 | 0 |
| 1258 | Terrestrial gravity fluctuations. <i>Living Reviews in Relativity</i> , 2019, 22, 1. | 8.2 | 55 |
| 1259 | Impact of GW170817 for the nuclear physics of the EOS and the r-process. <i>Annals of Physics</i> , 2019, 411, 167963. | 1.0 | 7 |
| 1260 | Discovery of a radio transient in M81. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 1181-1196. | 1.6 | 7 |
| 1261 | Constraints on Microscopic and Phenomenological Equations of State of Dense Matter from GW170817. <i>Universe</i> , 2019, 5, 204. | 0.9 | 3 |
| 1262 | Double copy for massive quantum particles with spin. <i>Journal of High Energy Physics</i> , 2019, 2019, 1. | 1.6 | 96 |
| 1263 | Spectral properties of gamma-ray bursts observed by the Suzaku wide-band all-sky monitor. <i>Publication of the Astronomical Society of Japan</i> , 2019, 71, . | 1.0 | 1 |
| 1264 | Thermodynamics of a quark-gluon plasma at finite baryon density. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 5 |
| 1265 | Parameterized and Consistency Tests of Gravity with Gravitational Waves: Current and Future. <i>Proceedings (mdpi)</i> , 2019, 17, 5. | 0.2 | 7 |
| 1266 | Simulating Binary Neutron Stars with Hybrid Equation of States: Gravitational Waves, Electromagnetic Signatures and Challenges for Numerical Relativity. <i>Particles</i> , 2019, 2, 365-384. | 0.5 | 16 |
| 1267 | Characteristic electromagnetic waves caused by tensorial and possible nontensorial thermal high-frequency gravitational waves from magnetars. <i>Nuclear Physics B</i> , 2019, 949, 114796. | 0.9 | 0 |
| 1268 | Classical and quantum cosmology of Fab Four John theories. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 798, 135003. | 1.5 | 5 |
| 1269 | Quasinormal Modes and the Hawking-Unruh Effect in Quantum Hall Systems: Lessons from Black Hole Phenomena. <i>Physical Review Letters</i> , 2019, 123, 156802. | 2.9 | 28 |
| 1270 | Nuclear physics aspects of the GW170817 neutron star merger event. <i>Nuclear and Particle Physics Proceedings</i> , 2019, 306-308, 61-68. | 0.2 | 4 |
| 1271 | Quasinormal Modes of Modified Gravity (MOG) Black Holes. <i>Journal of Undergraduate Reports in Physics</i> , 2019, 29, . | 0.1 | 4 |
| 1272 | Properties of massive rotating proton-neutron stars with hyperons: structure and universality. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2019, 46, 105201. | 1.4 | 13 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1273 | On the expected production of gravitational waves during preheating. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 012-012. | 1.9 | 5 |
| 1274 | Unified superfluid dark sector. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 027-027. | 1.9 | 36 |
| 1275 | The phenomenology of beyond Horndeski gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 035-035. | 1.9 | 14 |
| 1276 | Probing cosmic anisotropy with GW/FRB as upgraded standard sirens. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 016-016. | 1.9 | 8 |
| 1277 | Revisiting the event rate of short GRBs and estimating their detectable number within the Advanced LIGO horizon. <i>Research in Astronomy and Astrophysics</i> , 2019, 19, 118. | 0.7 | 4 |
| 1278 | Gravitational-wave-driven tidal secular instability in neutron star binaries. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 10 |
| 1279 | Gravitational waveforms and radiation powers of the triple system PSR $J_{0337+1715}$ in modified theories of gravity. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 13 |
| 1280 | Quantum Monte Carlo Methods in Nuclear Physics: Recent Advances. <i>Annual Review of Nuclear and Particle Science</i> , 2019, 69, 279-305. | 3.5 | 62 |
| 1281 | Closure Relations of Gamma-Ray Bursts in High Energy Emission. <i>Astrophysical Journal</i> , 2019, 883, 134. | 1.6 | 16 |
| 1282 | Precursors in Short Gamma-Ray Bursts as a Possible Probe of Progenitors. <i>Astrophysical Journal</i> , 2019, 884, 25. | 1.6 | 21 |
| 1283 | The Optical Afterglow of GW170817: An Off-axis Structured Jet and Deep Constraints on a Globular Cluster Origin. <i>Astrophysical Journal Letters</i> , 2019, 883, L1. | 3.0 | 69 |
| 1284 | The Reliability of the Low-latency Estimation of Binary Neutron Star Chirp Mass. <i>Astrophysical Journal Letters</i> , 2019, 884, L32. | 3.0 | 18 |
| 1285 | The propagation of choked jet outflows in power-law external media. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 2844-2872. | 1.6 | 11 |
| 1286 | Optimizing multitelescope observations of gravitational-wave counterparts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 5775-5783. | 1.6 | 35 |
| 1287 | KiDS+GAMA: constraints on horndeski gravity from combined large-scale structure probes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 2155-2177. | 1.6 | 39 |
| 1288 | A Bayesian Fermi-GBM short GRB spectral catalogue. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 927-946. | 1.6 | 9 |
| 1289 | A Bayesian approach to matching thermonuclear X-ray burst observations with models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 2228-2240. | 1.6 | 18 |
| 1290 | Continuous gravitational wave from magnetized white dwarfs and neutron stars: possible missions for LISA, DECIGO, BBO, ET detectors. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 2692-2705. | 1.6 | 27 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1291 | Beyond second-order convergence in simulations of magnetized binary neutron stars with realistic microphysics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 3588-3600. | 1.6 | 60 |
| 1292 | Gravitational-wave follow-up with CTA after the detection of GRBs in the TeV energy domain. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 3476-3482. | 1.6 | 10 |
| 1293 | Multimessenger Bayesian parameter inference of a binary neutron star merger. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2019, 489, L91-L96. | 1.2 | 163 |
| 1294 | Observational signature of a wind bubble environment for double neutron star mergers. <i>Research in Astronomy and Astrophysics</i> , 2019, 19, 115. | 0.7 | 2 |
| 1295 | Gravitational waves from supernova mass loss and natal kicks in close binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 5560-5566. | 1.6 | 2 |
| 1296 | Improving cosmological parameter estimation with the future gravitational-wave standard siren observation from the Einstein Telescope. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 39 |
| 1297 | Radioactive Gamma-Ray Emissions from Neutron Star Mergers. <i>Astrophysical Journal</i> , 2019, 872, 19. | 1.6 | 19 |
| 1298 | Gravitational wave standard sirens and cosmological parameter measurement. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1. | 2.0 | 46 |
| 1299 | Strong gravitational lensing of explosive transients. <i>Reports on Progress in Physics</i> , 2019, 82, 126901. | 8.1 | 93 |
| 1300 | Cylindrical asymmetric thin-shell wormholes. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 067-067. | 1.9 | 7 |
| 1301 | Broadband quantum noise reduction in future long baseline gravitational-wave detectors via EPR entanglement. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 4 |
| 1302 | Stochastic gravitational wave background from accreting primordial black hole binaries during early inspiral stage. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 3 |
| 1303 | The first observation of an optical counterpart to a short gamma-ray burst from the Czech Republic: GRB 160927A. <i>Astronomische Nachrichten</i> , 2019, 340, 629-632. | 0.6 | 0 |
| 1304 | Gravitational alternatives to dark matter with tensor mode speed equaling the speed of light. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 42 |
| 1305 | SN2018kzr: A Rapidly Declining Transient from the Destruction of a White Dwarf. <i>Astrophysical Journal Letters</i> , 2019, 885, L23. | 3.0 | 28 |
| 1306 | A noninteracting low-mass black hole-giant star binary system. <i>Science</i> , 2019, 366, 637-640. | 6.0 | 182 |
| 1307 | Effects of nuclear symmetry energy and equation of state on neutron star properties. <i>Physical Review C</i> , 2019, 100, . | 1.1 | 25 |
| 1308 | Search for intermediate mass black hole binaries in the first and second observing runs of the Advanced LIGO and Virgo network. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 52 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1309 | Fundamental Physics Implications for Higher-Curvature Theories from Binary Black Hole Signals in the LIGO-Virgo Catalog GWTC-1. <i>Physical Review Letters</i> , 2019, 123, 191101. | 2.9 | 101 |
| 1310 | New gravitational self-force analytical results for eccentric equatorial orbits around a Kerr black hole: Gyroscope precession. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 10 |
| 1311 | Determination of properties of protoneutron stars toward black hole formation via gravitational wave observations. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 22 |
| 1312 | More than the sum of its parts: Combining parametrized tests of extreme gravity. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 1 |
| 1313 | Gravitational-wave amplitudes for compact binaries in eccentric orbits at the third post-Newtonian order: Memory contributions. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 19 |
| 1314 | Gravitational waves as a probe of the extra dimension. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 7 |
| 1315 | Neutron star sensitivities in Ho Λ TM ava gravity after GW170817. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 12 |
| 1316 | Constraints on higher curvature gravity from time delay between GW170817 and GRB 170817A. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 5 |
| 1317 | Noise spectral estimation methods and their impact on gravitational wave measurement of compact binary mergers. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 54 |
| 1318 | The constraint ability of Hubble parameter by gravitational wave standard sirens on cosmological parameters. <i>European Physical Journal C</i> , 2019, 79, 1. | 1.4 | 3 |
| 1319 | Model-independent measurement of the absolute magnitude of Type Ia supernovae with gravitational-wave sources. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 009-009. | 1.9 | 9 |
| 1320 | Anisotropic quark stars with an interacting quark equation of state. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 21 |
| 1321 | Measuring the neutron star equation of state with gravitational waves: The first forty binary neutron star merger observations. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 44 |
| 1322 | Tidal deformability of binary neutron stars employing equation of state with LOCV approach. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2019, 46, 125203. | 1.4 | 2 |
| 1323 | Echoes from the abyss: a highly spinning black hole remnant for the binary neutron star merger GW170817. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 010-010. | 1.9 | 47 |
| 1324 | Continuous Gravitational Waves from Neutron Stars: Current Status and Prospects. <i>Universe</i> , 2019, 5, 217. | 0.9 | 71 |
| 1325 | Survey of nuclear pasta in the intermediate-density regime: Shapes and energies. <i>Physical Review C</i> , 2019, 100, . | 1.1 | 20 |
| 1326 | Primordial gravitational waves in nonstandard cosmologies. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 47 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1327 | Constraining the Fraction of Binary Black Holes Formed in Isolation and Young Star Clusters with Gravitational-wave Data. <i>Astrophysical Journal</i> , 2019, 886, 25. | 1.6 | 59 |
| 1328 | Modified gravity away from a Λ CDM background. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 018-018. | 1.9 | 9 |
| 1329 | How effective is machine learning to detect long transient gravitational waves from neutron stars in a real search?. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 38 |
| 1330 | Possible distribution of mass inside a black hole. Is there any upper limit on mass density?. <i>Astrophysics and Space Science</i> , 2019, 364, 1. | 0.5 | 2 |
| 1331 | Capturing Composite Waves in Non-convex Special Relativistic Hydrodynamics. <i>Journal of Scientific Computing</i> , 2019, 81, 2132-2161. | 1.1 | 6 |
| 1332 | AGILE search for gamma-ray counterparts of gravitational wave events. <i>Rendiconti Lincei</i> , 2019, 30, 71-77. | 1.0 | 9 |
| 1333 | Optimal Search Strategy for Finding Transients in Large-sky Error Regions under Realistic Constraints. <i>Astrophysical Journal</i> , 2019, 876, 104. | 1.6 | 5 |
| 1334 | Optimal Neutron-star Mass Ranges to Constrain the Equation of State of Nuclear Matter with Electromagnetic and Gravitational-wave Observations. <i>Astrophysical Journal</i> , 2019, 881, 73. | 1.6 | 22 |
| 1335 | Effects of $\bar{\Lambda}$ -meson on the EOS, Maximum Masses, and Radii of Hyperon Stars. <i>Astrophysical Journal</i> , 2019, 885, 25. | 1.6 | 10 |
| 1336 | X-Ray Binary Luminosity Function Scaling Relations for Local Galaxies Based on Subgalactic Modeling. <i>Astrophysical Journal, Supplement Series</i> , 2019, 243, 3. | 3.0 | 82 |
| 1337 | Follow-up of the Neutron Star Bearing Gravitational-wave Candidate Events S190425z and S190426c with MMT and SOAR. <i>Astrophysical Journal Letters</i> , 2019, 880, L4. | 3.0 | 63 |
| 1338 | GROWTH on S190510g: DECam Observation Planning and Follow-up of a Distant Binary Neutron Star Merger Candidate. <i>Astrophysical Journal Letters</i> , 2019, 881, L16. | 3.0 | 30 |
| 1339 | Did GW170817 Harbor a Pulsar?. <i>Astrophysical Journal Letters</i> , 2019, 883, L6. | 3.0 | 14 |
| 1340 | Equivalence principle on cosmological backgrounds in scalar-tensor theories. <i>Classical and Quantum Gravity</i> , 2019, 36, 225001. | 1.5 | 1 |
| 1341 | Constraining coherent low-frequency radio flares from compact binary mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 3316-3333. | 1.6 | 23 |
| 1342 | The host galaxies of double compact objects across cosmic time. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 4622-4631. | 1.6 | 25 |
| 1343 | Search for neutron star binaries in the Local Group galaxies using LISA. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 4513-4519. | 1.6 | 13 |
| 1344 | The contribution from rotating massive stars to the enrichment in Sr and Ba of the Milky Way. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , . | 1.6 | 15 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1345 | <scp>stroopwafel</scp>: simulating rare outcomes from astrophysical populations, with application to gravitational-wave sources. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5228-5248. | 1.6 | 30 |
| 1346 | The effect of the metallicity-specific star formation history on double compact object mergers. Monthly Notices of the Royal Astronomical Society, 2019, 490, 3740-3759. | 1.6 | 192 |
| 1347 | Light propagation in the field of the N -body system and its application in the TianQin mission. Physical Review D, 2019, 100, . | 1.6 | 5 |
| 1348 | Stability conditions in the generalized Proca theory. Physical Review D, 2019, 100, . | 1.6 | 13 |
| 1349 | Search for Substellar Mass Ultracompact Binaries in Advanced LIGO's Second Observing Run. Physical Review Letters, 2019, 123, 161102. | 2.9 | 119 |
| 1350 | Generalized Galileon scenario inspires chaotic inflation. European Physical Journal C, 2019, 79, 1. | 1.4 | 2 |
| 1351 | High-Energy Multimessenger Transient Astrophysics. Annual Review of Nuclear and Particle Science, 2019, 69, 477-506. | 3.5 | 40 |
| 1352 | Identifying Quark Matter in Hybrid Stars through Relativistic Tidal Deformations. Universe, 2019, 5, 193. | 0.9 | 2 |
| 1353 | Constraining Collapsar r-process Models through Stellar Abundances. Astrophysical Journal Letters, 2019, 877, L24. | 3.0 | 30 |
| 1354 | No surviving non-compact stellar companion to Cassiopeia A. Astronomy and Astrophysics, 2019, 623, A34. | 2.1 | 20 |
| 1355 | Note on neutron star equation of state in the light of GW170817. AIP Conference Proceedings, 2019, , . | 0.3 | 2 |
| 1356 | Cosmological parameter estimation with future gravitational wave standard siren observation from the Einstein Telescope. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 068-068. | 1.9 | 37 |
| 1357 | Unmodelled clustering methods for gravitational wave populations of compact binary mergers. Monthly Notices of the Royal Astronomical Society, 2019, 488, 3810-3817. | 1.6 | 16 |
| 1358 | The mass distribution of Galactic double neutron stars: constraints on the gravitational-wave sources like GW170817. Monthly Notices of the Royal Astronomical Society, 2019, 488, 5020-5028. | 1.6 | 11 |
| 1359 | X-ray light curves from realistic polar cap models: inclined pulsar magnetospheres and multipole fields. Monthly Notices of the Royal Astronomical Society, 2019, 490, 1774-1783. | 1.6 | 25 |
| 1360 | Neutron star binary orbits in their host potential: effect on early r-process enrichment. Monthly Notices of the Royal Astronomical Society, 2019, 490, 296-311. | 1.6 | 25 |
| 1361 | The cosmological distribution of compact object mergers from dynamical interactions with SMBH binaries. Monthly Notices of the Royal Astronomical Society, 2019, 490, 2627-2647. | 1.6 | 4 |
| 1362 | Predicting the LISA white dwarf binary population in the Milky Way with cosmological simulations. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5888-5903. | 1.6 | 95 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1363 | Eccentric binary black holes with spin via the direct integration of the post-Newtonian equations of motion. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 12 |
| 1364 | Characterization of numerical relativity waveforms of eccentric binary black hole mergers. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 17 |
| 1365 | Properties of the stochastic astrophysical gravitational wave background: Astrophysical sources dependencies. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 43 |
| 1366 | Constraining the neutron-matter equation of state with gravitational waves. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 31 |
| 1367 | Effect of hyperon coupling constants on the properties of the massive neutron star PSR J0348+0432. <i>International Journal of Modern Physics D</i> , 2019, 28, 1950144. | 0.9 | 0 |
| 1368 | Constant-roll inflation driven by a scalar field with nonminimal derivative coupling. <i>International Journal of Modern Physics D</i> , 2019, 28, 1950159. | 0.9 | 5 |
| 1369 | Merger of Compact Stars in the Two-families Scenario. <i>Astrophysical Journal</i> , 2019, 881, 122. | 1.6 | 42 |
| 1370 | A Density-dependent van der Waals Model under the GW170817 Constraint. <i>Astrophysical Journal</i> , 2019, 882, 67. | 1.6 | 15 |
| 1371 | Merging Rates of Compact Binaries in Galaxies: Perspectives for Gravitational Wave Detections. <i>Astrophysical Journal</i> , 2019, 881, 157. | 1.6 | 41 |
| 1372 | Numerical Simulations of an Initially Top-hat Jet and the Afterglow of GW170817/GRB170817A. <i>Astrophysical Journal</i> , 2019, 883, 15. | 1.6 | 29 |
| 1373 | Aluminium-26 from Massive Binary Stars. I. Nonrotating Models*. <i>Astrophysical Journal</i> , 2019, 884, 38. | 1.6 | 21 |
| 1374 | A First Search for Prompt Radio Emission from a Gravitational-wave Event. <i>Astrophysical Journal Letters</i> , 2019, 877, L39. | 3.0 | 22 |
| 1375 | Binary Black Hole Population Properties Inferred from the First and Second Observing Runs of Advanced LIGO and Advanced Virgo. <i>Astrophysical Journal Letters</i> , 2019, 882, L24. | 3.0 | 566 |
| 1376 | Electromagnetic Emission Post Spinning Black Hole Magnetized Neutron Star Mergers. <i>Astrophysical Journal Letters</i> , 2019, 883, L19. | 3.0 | 7 |
| 1377 | Orbital and epicyclic frequencies in massive scalar-tensor theory with self-interaction. <i>Astrophysics and Space Science</i> , 2019, 364, 1. | 0.5 | 6 |
| 1378 | Predicting the moment of inertia of pulsar J0737-3039A from Bayesian modeling of the nuclear equation of state. <i>Physical Review C</i> , 2019, 100, . | 1.1 | 28 |
| 1379 | Damping of density oscillations in neutrino-transparent nuclear matter. <i>Physical Review C</i> , 2019, 100, . | 1.1 | 32 |
| 1380 | On echo intervals in gravitational wave echo analysis. <i>European Physical Journal C</i> , 2019, 79, 1. | 1.4 | 13 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1381 | Testing dispersion of gravitational waves from eccentric extreme-mass-ratio inspirals. <i>International Journal of Modern Physics D</i> , 2019, 28, 1950166. | 0.9 | 3 |
| 1382 | Late-time Afterglow from Double-sided Structured Jets: Application to GRB 170817A. <i>Astrophysical Journal</i> , 2019, 880, 39. | 1.6 | 8 |
| 1383 | On-axis view of GRB 170817A. <i>Astronomy and Astrophysics</i> , 2019, 628, A18. | 2.1 | 47 |
| 1384 | Scalar charges and scaling relations in massless scalar-tensor theories. <i>Classical and Quantum Gravity</i> , 2019, 36, 165003. | 1.5 | 11 |
| 1385 | The SXS collaboration catalog of binary black hole simulations. <i>Classical and Quantum Gravity</i> , 2019, 36, 195006. | 1.5 | 217 |
| 1386 | A 3PN Fourier domain waveform for non-spinning binaries with moderate eccentricity. <i>Classical and Quantum Gravity</i> , 2019, 36, 185003. | 1.5 | 52 |
| 1387 | LISA telescope: phase noise due to pointing jitter. <i>Classical and Quantum Gravity</i> , 2019, 36, 205003. | 1.5 | 8 |
| 1388 | Follow-up procedure for gravitational wave searches from isolated neutron stars using the time-domain χ^2 -statistic method. <i>Classical and Quantum Gravity</i> , 2019, 36, 225008. | 1.5 | 5 |
| 1389 | Hamiltonian structure of bi-gravity, problem of ghost and bifurcation. <i>Classical and Quantum Gravity</i> , 2019, 36, 225005. | 1.5 | 6 |
| 1390 | Scalar fields and the FLRW singularity. <i>Classical and Quantum Gravity</i> , 2019, 36, 235004. | 1.5 | 15 |
| 1391 | Observational diversity of magnetized neutron stars. <i>Reports on Progress in Physics</i> , 2019, 82, 106901. | 8.1 | 50 |
| 1392 | Dark sector evolution in Horndeski models. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 018-018. | 1.9 | 12 |
| 1393 | Neutron stars in $f(R)$ gravity and scalar-tensor theories. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 054-054. | 1.9 | 29 |
| 1394 | Quantum gravity and gravitational-wave astronomy. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 012-012. | 1.9 | 44 |
| 1395 | RAPID: Early Classification of Explosive Transients Using Deep Learning. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 118002. | 1.0 | 91 |
| 1396 | Gamma-Ray Polarimetry: A New Window for the Nonthermal Universe. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 111001. | 1.0 | 6 |
| 1397 | Correlations, dynamics, and interferometry of anyons in the lowest Landau level. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019, 2019, 104003. | 0.9 | 6 |
| 1398 | On the linear and non-linear evolution of the relativistic MHD Kelvin-Helmholtz instability in a magnetically polarized fluid. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 4183-4193. | 1.6 | 4 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1399 | A multidimensional implementation of the Advanced Spectral neutrino Leakage scheme. Monthly Notices of the Royal Astronomical Society, 2019, 490, 4211-4229. | 1.6 | 13 |
| 1400 | Do current astronomical observations exclude the existence of nonstrange quark stars?. Physical Review D, 2019, 100, . | 1.6 | 35 |
| 1401 | Tidal effects in eccentric coalescing neutron star binaries. Physical Review D, 2019, 100, . | 1.6 | 22 |
| 1402 | Convolutional neural networks: A magic bullet for gravitational-wave detection?. Physical Review D, 2019, 100, . | 1.6 | 79 |
| 1403 | Improved limits on a stochastic gravitational-wave background and its anisotropies from Advanced LIGO O1 and O2 runs. Physical Review D, 2019, 100, . | 1.6 | 30 |
| 1404 | Perturbations in higher derivative gravity beyond maximally symmetric spacetimes. Physical Review D, 2019, 100, . | 1.6 | 10 |
| 1405 | Reduced-order surrogate models for scalar-tensor gravity in the strong field regime and applications to binary pulsars and GW170817. Physical Review D, 2019, 100, . | 1.6 | 22 |
| 1406 | Gravitational waves from extreme-mass-ratio inspirals using general parametrized metrics. Physical Review D, 2019, 100, . | 1.6 | 11 |
| 1407 | Screening mechanism in degenerate higher-order scalar-tensor theories evading gravitational wave constraints. Physical Review D, 2019, 99, . | 1.6 | 24 |
| 1408 | Optimizing LIGO with LISA forewarnings to improve black-hole spectroscopy. Physical Review D, 2019, 99, . | 1.6 | 24 |
| 1409 | Constraining the Neutron Star Equation of State Using Multiband Independent Measurements of Radii and Tidal Deformabilities. Physical Review Letters, 2019, 123, 141101. | 2.9 | 49 |
| 1410 | Prospects for multi-messenger extended emission from core-collapse supernovae in the Local Universe. European Physical Journal Plus, 2019, 134, 1. | 1.2 | 10 |
| 1411 | Decoding signatures of extra dimensions and estimating spin of quasars from the continuum spectrum. Physical Review D, 2019, 100, . | 1.6 | 24 |
| 1412 | Benchmarking the extraction of statistical neutron capture cross sections on short-lived nuclei for applications using the χ^2 -Oslo method. Physical Review C, 2019, 100, . | 1.1 | 5 |
| 1413 | Multi-Messenger Physics With the Pierre Auger Observatory. Frontiers in Astronomy and Space Sciences, 2019, 6, . | 1.1 | 20 |
| 1414 | Black hole solutions in shift-symmetric degenerate higher-order scalar-tensor theories. Physical Review D, 2019, 100, . | 1.6 | 38 |
| 1415 | Shadows and deflection angle of charged and slowly rotating black holes in Einstein-Æther theory. Physical Review D, 2019, 100, . | 1.6 | 106 |
| 1416 | Obtaining Precision Constraints on Modified Gravity with Helioseismology. Physical Review Letters, 2019, 123, 091103. | 2.9 | 33 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1417 | Observability of sharp phase transitions in neutron stars. AIP Conference Proceedings, 2019, , . | 0.3 | 1 |
| 1418 | Constraining the properties of dense matter and neutron stars by combining nuclear physics and gravitational waves from GW170817. AIP Conference Proceedings, 2019, , . | 0.3 | 5 |
| 1419 | R-mode instability in compact stars. AIP Conference Proceedings, 2019, , . | 0.3 | 2 |
| 1420 | Degeneracy in studying the supranuclear equation of state and modified gravity with neutron stars. AIP Conference Proceedings, 2019, , . | 0.3 | 15 |
| 1421 | Neutron star properties: Constraining the nuclear matter EoS. AIP Conference Proceedings, 2019, , . | 0.3 | 2 |
| 1422 | Studying newborn neutron stars by the transient emission after stellar collapses and compact binary mergers. AIP Conference Proceedings, 2019, , . | 0.3 | 2 |
| 1423 | Neutron star merger remnants: Braking indices, gravitational waves, and the equation of state. AIP Conference Proceedings, 2019, , . | 0.3 | 3 |
| 1424 | Hyperon-nucleon interaction from lattice QCD at $(m\bar{c}, mK) \hat{\%}^{\wedge}$ (146, 525) MeV. AIP Conference Proceedings, 2019, , . | 0.3 | 0 |
| 1425 | Science with the TianQin observatory: Preliminary results on testing the no-hair theorem with ringdown signals. Physical Review D, 2019, 100, . | 1.6 | 51 |
| 1426 | Calibrating gravitational-wave detectors with GW170817. Classical and Quantum Gravity, 2019, 36, 125002. | 1.5 | 9 |
| 1427 | Binary pulsar constraints on massless scalar-tensor theories using Bayesian statistics. Classical and Quantum Gravity, 2019, 36, 225009. | 1.5 | 32 |
| 1428 | nEoS: neutron star equation of state from hadron physics alone. Journal of Physics G: Nuclear and Particle Physics, 2019, 46, 084001. | 1.4 | 18 |
| 1429 | Thermal noise reduction for future gravitational wave detectors. Journal of Physics: Conference Series, 2019, 1226, 012023. | 0.3 | 0 |
| 1430 | National Aures Observatory: A new multimessenger facility. Journal of Physics: Conference Series, 2019, 1269, 012001. | 0.3 | 1 |
| 1431 | MAGIC - how MATter's extreme phases can be revealed in Gravitational wave observations and in relativistic heavy Ion Collision experiments. Journal of Physics: Conference Series, 2019, 1271, 012023. | 0.3 | 5 |
| 1432 | Exploring the sensitivity of gravitational wave detectors to neutron star physics. Physical Review D, 2019, 99, . | 1.6 | 78 |
| 1433 | Adaptive transient Hough method for long-duration gravitational wave transients. Physical Review D, 2019, 99, . | 1.6 | 22 |
| 1434 | Inferring neutron star properties from GW170817 with universal relations. Physical Review D, 2019, 99, . | 1.6 | 56 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1435 | Quantum coherence of relic gravitons and Hanbury Brown-Twiss interferometry. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 4 |
| 1436 | Superradiant stability of mutated Reissner-Nordström black holes. <i>General Relativity and Gravitation</i> , 2019, 51, 1. | 0.7 | 5 |
| 1437 | Blip glitches in Advanced LIGO data. <i>Classical and Quantum Gravity</i> , 2019, 36, 155010. | 1.5 | 84 |
| 1438 | Signatures for quark matter from multi-messenger observations. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2019, 46, 114001. | 1.4 | 44 |
| 1439 | Resonant multiple peaks in the induced gravitational waves. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 013-013. | 1.9 | 73 |
| 1440 | Well-tempered cosmology. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 038-038. | 1.9 | 17 |
| 1441 | Effective field theory for gravitational radiation in scalar-tensor gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 052-052. | 1.9 | 26 |
| 1442 | Forecasts of cosmological constraints from Type Ia supernovae including the weak-lensing convergence. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 033-033. | 1.9 | 7 |
| 1443 | Astrophysical neutrinos: theory. <i>Journal of Physics: Conference Series</i> , 2019, 1263, 012004. | 0.3 | 2 |
| 1444 | Strong equivalence principle and gravitational wave polarizations in Horndeski theory. <i>European Physical Journal C</i> , 2019, 79, 1. | 1.4 | 6 |
| 1445 | Geometrization of gravito-electromagnetic interactions from boundary conditions in the variational principle. <i>European Physical Journal C</i> , 2019, 79, 1. | 1.4 | 2 |
| 1446 | Neutron star masses and radii. <i>AIP Conference Proceedings</i> , 2019, , . | 0.3 | 3 |
| 1447 | Universal relations for neutron stars: Selected recent works. <i>AIP Conference Proceedings</i> , 2019, , . | 0.3 | 0 |
| 1448 | How to test the two-families scenario. <i>AIP Conference Proceedings</i> , 2019, , . | 0.3 | 5 |
| 1449 | Constraining the hadron-quark phase transition chemical potential via astronomical observation. <i>AIP Conference Proceedings</i> , 2019, , . | 0.3 | 3 |
| 1450 | Do hyperons exist in the neutron star interior?. <i>AIP Conference Proceedings</i> , 2019, , . | 0.3 | 1 |
| 1451 | Secular dynamics of binaries in stellar clusters – I. General formulation and dependence on cluster potential. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 5489-5511. | 1.6 | 20 |
| 1452 | Black hole discharge: Very-high-energy gamma rays from black hole-neutron star mergers. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 13 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1453 | Gravitational waves in the presence of viscosity. International Journal of Modern Physics D, 2019, 28, 1950133. | 0.9 | 12 |
| 1454 | Effect of spin on the inspiral of binary neutron stars. Physical Review D, 2019, 100, . | 1.6 | 22 |
| 1455 | Visualizing gravitational Bessel waves. Physical Review D, 2019, 100, . | 1.6 | 2 |
| 1456 | CWTC-1: A Gravitational-Wave Transient Catalog of Compact Binary Mergers Observed by LIGO and Virgo during the First and Second Observing Runs. Physical Review X, 2019, 9, . | 2.8 | 2,022 |
| 1457 | Search for the isotropic stochastic background using data from Advanced LIGO™s second observing run. Physical Review D, 2019, 100, . | 1.6 | 200 |
| 1458 | Multi-messenger EOS constraints using binary NS mergers. Annals of Physics, 2019, 410, 167925. | 1.0 | 2 |
| 1459 | Magnetized hybrid stars: effects of slow and rapid phase transitions at the quark-hadron interface. Monthly Notices of the Royal Astronomical Society, 2019, 489, 4261-4277. | 1.6 | 25 |
| 1460 | Role of the symmetry energy and the neutron-matter stiffness on the tidal deformability of a neutron star with unified equations of state. Physical Review C, 2019, 100, . | 1.1 | 27 |
| 1461 | Computing fast and reliable gravitational waveforms of binary neutron star merger remnants. Physical Review D, 2019, 100, . | 1.6 | 25 |
| 1462 | Applicability Study of the PRIMAD Model to LIGO Gravitational Wave Search Workflows. , 2019, , . | | 1 |
| 1463 | Repeated faint quasinormal bursts in extreme-mass-ratio inspiral waveforms: Evidence from frequency-domain scalar self-force calculations on generic Kerr orbits. Physical Review D, 2019, 100, . | 1.6 | 19 |
| 1464 | Generalized framework for testing gravity with gravitational-wave propagation. III. Future prospect. Physical Review D, 2019, 99, . | 1.6 | 38 |
| 1465 | Evolving stellar models to find the origins of our galaxy. , 2019, , . | | 1 |
| 1466 | Cosmological Constant Effects on the Properties of Mass Twin Compact Stars. EPJ Web of Conferences, 2019, 201, 09007. | 0.1 | 4 |
| 1467 | Cherenkov Telescope Ring - An Idea for World Wide Monitoring of the VHE Sky. EPJ Web of Conferences, 2019, 207, 03002. | 0.1 | 2 |
| 1468 | Information Technologies on High-Energy Astrophysics: Cosmic Ray Anisotropy using HAWC Observatory. EPJ Web of Conferences, 2019, 208, 03005. | 0.1 | 0 |
| 1469 | Baikal-GVD: first results and prospects. EPJ Web of Conferences, 2019, 209, 01015. | 0.1 | 5 |
| 1470 | Multimessenger Probes of High-energy Sources. EPJ Web of Conferences, 2019, 209, 01036. | 0.1 | 1 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1471 | High-energy emissions from neutron star mergers. EPJ Web of Conferences, 2019, 210, 03001. | 0.1 | 3 |
| 1472 | Highly squeezed-out ratio as a probe of | 1.1 | 7 |
| 1473 | Effective field theory of hairy black holes and their flat and de Sitter limits. Physical Review D, 2019, 100, . | 1.6 | 0 |
| 1474 | Experimental test of the collapse time of a delocalized photon state. Scientific Reports, 2019, 9, 11897. | 1.6 | 2 |
| 1475 | Canonical transformation path to gauge theories of gravity-II: Space-time coupling of spin-0 and spin-1 particle fields. International Journal of Modern Physics E, 2019, 28, 1950007. | 0.4 | 9 |
| 1476 | Neutron stars in frames of R2-gravity and gravitational waves. International Journal of Geometric Methods in Modern Physics, 2019, 16, 1950004. | 0.8 | 11 |
| 1477 | Classification of vacuum classes of plane fronted gravitational waves via proper conformal vector fields in f(R) gravity. International Journal of Geometric Methods in Modern Physics, 2019, 16, 1950151. | 0.8 | 20 |
| 1478 | Effect of distant encounters on black hole binaries in globular clusters: Systematic increase of in-cluster mergers in the LISA band. Physical Review D, 2019, 100, . | 1.6 | 19 |
| 1479 | Maximum mass and universal relations of rotating relativistic hybrid hadron-quark stars. European Physical Journal A, 2019, 55, 1. | 1.0 | 30 |
| 1480 | The r -process signature found in the ultra-faint dwarf galaxy Reticulum II. Annals of Physics, 2019, 410, 167909. | 1.0 | 2 |
| 1481 | Gravitational lensing of gravitational waves: Rotation of polarization plane. Physical Review D, 2019, 100, . | 1.6 | 21 |
| 1482 | Modeling Hybrid Stars and Hot Matter. Nuclear Physics A, 2019, 982, 887-890. | 0.6 | 2 |
| 1483 | Collective effects in nuclear collisions: theory overview. Nuclear Physics A, 2019, 982, 78-84. | 0.6 | 4 |
| 1484 | Neutron oscillations for solving neutron lifetime and dark matter puzzles. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134921. | 1.5 | 16 |
| 1485 | Novel color superconducting phases of $N = 4$ super Yang-Mills at strong coupling. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 14 |
| 1486 | Delineating the properties of matter in cold, dense QCD. AIP Conference Proceedings, 2019, , . | 0.3 | 5 |
| 1487 | Probing observational bounds on scalar-tensor theories from standard sirens. Physical Review D, 2019, 100, . | 1.6 | 61 |
| 1488 | Observational prospects for gravitational waves from hidden or dark chiral phase transitions. Physical Review D, 2019, 100, . | 1.6 | 46 |

| # | ARTICLE | IF | CITATIONS |
|------|---|------|-----------|
| 1489 | possis: predicting spectra, light curves, and polarization for multidimensional models of supernovae and kilonovae. Monthly Notices of the Royal Astronomical Society, 2019, 489, 5037-5045. | 1.6 | 113 |
| 1490 | Gravitational-wave detection rates for compact binaries formed in isolation: LIGO/Virgo O3 and beyond. Physical Review D, 2019, 100, . | 1.6 | 70 |
| 1491 | Neutron stars and stellar mergers as a laboratory for dense QCD matter. Nuclear Physics A, 2019, 982, 36-42. | 0.6 | 11 |
| 1492 | Modeling the dynamics of black holes through balanced equations of motion in the null gauge. International Journal of Geometric Methods in Modern Physics, 2019, 16, 1950131. | 0.8 | 1 |
| 1493 | Enabling real-time multi-messenger astrophysics discoveries with deep learning. Nature Reviews Physics, 2019, 1, 600-608. | 11.9 | 53 |
| 1494 | Detection prospects of core-collapse supernovae with supernova-optimized third-generation gravitational-wave detectors. Physical Review D, 2019, 100, . | 1.6 | 28 |
| 1495 | Reverse shocks in the relativistic outflows of gravitational wave-detected neutron star binary mergers. Monthly Notices of the Royal Astronomical Society, 2019, 489, 1820-1827. | 1.6 | 19 |
| 1496 | Using negative-latency gravitational wave alerts to detect prompt radio bursts from binary neutron star mergers with the Murchison Widefield Array. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 489, L75-L79. | 1.2 | 22 |
| 1497 | Sensitivity functions for space-borne gravitational wave detectors. Physical Review D, 2019, 100, . | 1.6 | 20 |
| 1498 | Strong one-neutron emission from two-neutron unbound states in ^{12}C decays of the $^{-1}\text{process}$ nuclei | 1.1 | 13 |
| 1499 | Role of crustal physics in the tidal deformation of a neutron star. Physical Review D, 2019, 100, . | 1.6 | 19 |
| 1500 | Energy response of GECAM gamma-ray detector based on LaBr3:Ce and SiPM array. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 921, 8-13. | 0.7 | 53 |
| 1501 | Ultra-high-energy cosmic rays. Physics Reports, 2019, 801, 1-93. | 10.3 | 107 |
| 1502 | Hadron-quark phase transition: the QCD phase diagram and stellar conversion. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 024-024. | 1.9 | 8 |
| 1503 | General relativistic smoothed particle hydrodynamics. Monthly Notices of the Royal Astronomical Society, 2019, 485, 819-842. | 1.6 | 17 |
| 1504 | Enhancing gravitational waveform models through dynamic calibration. Physical Review D, 2019, 99, . | 1.6 | 6 |
| 1505 | Hubble drift in Palatini $f(R)$ theories. European Physical Journal Plus, 2019, 134, 1. | 1.2 | 5 |
| 1506 | Dense matter equation of state for neutron star mergers. European Physical Journal A, 2019, 55, 1. | 1.0 | 18 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1507 | Probing Palatini-type gravity theories through gravitational wave detections via quasinormal modes. <i>European Physical Journal C</i> , 2019, 79, 1. | 1.4 | 16 |
| 1508 | Astrophysical signatures of black holes in generalized Proca theories. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 17 |
| 1509 | Gravitational-Wave Fringes at LIGO: Detecting Compact Dark Matter by Gravitational Lensing. <i>Physical Review Letters</i> , 2019, 122, 041103. | 2.9 | 92 |
| 1510 | Populating the periodic table: Nucleosynthesis of the elements. <i>Science</i> , 2019, 363, 474-478. | 6.0 | 50 |
| 1511 | Constraints on Ho ^Λ gravity from binary black hole observations. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 37 |
| 1512 | Tidal Love numbers of black holes and neutron stars in the presence of higher dimensions: Implications of GW170817. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 32 |
| 1513 | Astrophysical Sites that Can Produce Enantiomeric Amino Acids. <i>Symmetry</i> , 2019, 11, 23. | 1.1 | 5 |
| 1514 | The influence of the distribution of cosmic star formation at different metallicities on the properties of merging double compact objects. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 5012-5017. | 1.6 | 72 |
| 1515 | Polarization of a stochastic gravitational wave background through diffusion by massive structures. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 35 |
| 1516 | Probing ultralight bosons with binary black holes. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 134 |
| 1517 | Probing microstructure of black hole spacetimes with gravitational wave echoes. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 43 |
| 1518 | Charged anisotropic strange stars in general relativity. <i>European Physical Journal C</i> , 2019, 79, 1. | 1.4 | 44 |
| 1519 | Simulation and Analysis of Perturbation and Observation-Based Self-Adaptable Step Size Maximum Power Point Tracking Strategy with Low Power Loss for Photovoltaics. <i>Energies</i> , 2019, 12, 92. | 1.6 | 18 |
| 1520 | General Relativistic Surface Degrees of Freedom in Perturbed Hybrid Stars. <i>Astrophysical Journal</i> , 2019, 871, 47. | 1.6 | 6 |
| 1521 | Role of Supergiants in the Formation of Globular Clusters. <i>Astrophysical Journal</i> , 2019, 871, 20. | 1.6 | 16 |
| 1522 | 1-OGC: The First Open Gravitational-wave Catalog of Binary Mergers from Analysis of Public Advanced LIGO Data. <i>Astrophysical Journal</i> , 2019, 872, 195. | 1.6 | 144 |
| 1523 | The R-Process Alliance: Discovery of a Low- $\hat{\alpha}$, r-process-enhanced Metal-poor Star in the Galactic Halo. <i>Astrophysical Journal</i> , 2019, 874, 148. | 1.6 | 18 |
| 1524 | A Standard Siren Measurement of the Hubble Constant from GW170817 without the Electromagnetic Counterpart. <i>Astrophysical Journal Letters</i> , 2019, 871, L13. | 3.0 | 145 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1525 | Gravitational Waves from Generalized Newtonian Sources. <i>Fortschritte Der Physik</i> , 2019, 67, 1800083. | 1.5 | 0 |
| 1526 | Mergers of black hole–neutron star binaries and rates of associated electromagnetic counterparts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 5289-5309. | 1.6 | 19 |
| 1527 | Improved leakage-equilibration-absorption scheme ($\langle \text{scpi} \rangle$) for neutrino physics in compact object mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 4754-4789. | 1.6 | 52 |
| 1528 | Magnetic-field creation by solar-mass neutrino jets. <i>Europhysics Letters</i> , 2019, 125, 11002. | 0.7 | 3 |
| 1529 | Approaching the Black Hole by Numerical Simulations. <i>Universe</i> , 2019, 5, 99. | 0.9 | 4 |
| 1530 | Constraining the Braking Index and Energy Partition of Magnetar Spindown with Swift/XRT Data. <i>Astrophysical Journal</i> , 2019, 871, 54. | 1.6 | 17 |
| 1531 | r-process Enrichment of the Ultra-faint Dwarf Galaxies by Fast-merging Double-neutron Stars. <i>Astrophysical Journal</i> , 2019, 872, 105. | 1.6 | 42 |
| 1532 | $\frac{1}{2}$ bhlight: Radiation GRMHD for Neutrino-driven Accretion Flows. <i>Astrophysical Journal, Supplement Series</i> , 2019, 241, 30. | 3.0 | 26 |
| 1533 | A General-relativistic Determination of the Threshold Mass to Prompt Collapse in Binary Neutron Star Mergers. <i>Astrophysical Journal Letters</i> , 2019, 872, L16. | 3.0 | 114 |
| 1534 | On the inverse spectrum problem of neutron stars. <i>Classical and Quantum Gravity</i> , 2019, 36, 115002. | 1.5 | 11 |
| 1535 | The history and future of gravitational waves. <i>Astronomy and Geophysics</i> , 2019, 60, 3.28-3.29. | 0.1 | 0 |
| 1536 | Serendipitous discoveries of kilonovae in the LSST main survey: maximizing detections of sub-threshold gravitational wave events. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 4260-4273. | 1.6 | 26 |
| 1537 | Imprints of r-process heating on fall-back accretion: distinguishing black hole–neutron star from double neutron star mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 4404-4412. | 1.6 | 35 |
| 1538 | A no-hair test for binary black holes. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 17 |
| 1539 | Improved fused silica fibres for the advanced LIGO monolithic suspensions. <i>Classical and Quantum Gravity</i> , 2019, 36, 185018. | 1.5 | 6 |
| 1540 | Constraining the Neutron Star Radius with Joint Gravitational-wave and Short Gamma-Ray Burst Observations of Neutron Star–Black Hole Coalescing Binaries. <i>Astrophysical Journal</i> , 2019, 877, 94. | 1.6 | 17 |
| 1541 | Propagation of a Short GRB Jet in the Ejecta: Jet Launching Delay Time, Jet Structure, and GW170817/GRB 170817A. <i>Astrophysical Journal Letters</i> , 2019, 877, L40. | 3.0 | 39 |
| 1542 | Propagation of polar gravitational waves in $f(R, \hat{\mathcal{T}})$ scenario. <i>General Relativity and Gravitation</i> , 2019, 51, 1. | 0.7 | 36 |

| # | ARTICLE | IF | CITATIONS |
|------|---|------|-----------|
| 1543 | Cosmological determination to the values of the pre-factors in the logarithmic corrected entropy-area relation. <i>Astrophysics and Space Science</i> , 2019, 364, 1. | 0.5 | 8 |
| 1544 | Black holes, gravitational waves and fundamental physics: a roadmap. <i>Classical and Quantum Gravity</i> , 2019, 36, 143001. | 1.5 | 451 |
| 1545 | Optimising growth of structure constraints on modified gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 020-020. | 1.9 | 29 |
| 1546 | A first model-independent radial BAO constraint from the final BOSS sample. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 3419-3426. | 1.6 | 9 |
| 1547 | Spectral classification of gravitational-wave emission and equation of state constraints in binary neutron star mergers. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2019, 46, 113002. | 1.4 | 41 |
| 1548 | Holographic Bjorken flow of a hot and dense fluid in the vicinity of a critical point. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 17 |
| 1549 | Constraining quark-hadron interface tension in the multimessenger era. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 21 |
| 1550 | Improved analytic modeling of neutron star interiors. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 24 |
| 1551 | Nucleosynthesis and Kilonovae from Strange Star Mergers. <i>Universe</i> , 2019, 5, 144. | 0.9 | 4 |
| 1552 | Neutrino spin oscillations in external fields in curved spacetime. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 22 |
| 1553 | A scalable framework for adaptive computational general relativity on heterogeneous clusters. , 2019, , . | | 3 |
| 1554 | Optimal Integration of the Components of the Global Network of Gravitational-Wave Antennas. <i>Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta.)</i> Tj ETQq1 1 0.7843 14rgBT /Oerlock 10 | | |
| 1555 | Targeting ultra-high energy neutrinos with the ARIANNA experiment. <i>Advances in Space Research</i> , 2019, 64, 2595-2609. | 1.2 | 30 |
| 1556 | A living theory catalogue for fast radio bursts. <i>Physics Reports</i> , 2019, 821, 1-27. | 10.3 | 276 |
| 1557 | An interacting dark sector and the implications of the first gravitational-wave standard siren detection on current constraints. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 900-907. | 1.6 | 6 |
| 1558 | Host galaxies of merging compact objects: mass, star formation rate, metallicity, and colours. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 1675-1688. | 1.6 | 67 |
| 1559 | Multimessenger parameter estimation of GW170817. <i>European Physical Journal A</i> , 2019, 55, 1. | 1.0 | 158 |
| 1560 | Constraints on the neutron star equation of state from GW170817. <i>European Physical Journal A</i> , 2019, 55, 1. | 1.0 | 48 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1561 | Electromagnetic emissions from near-horizon region of an extreme Kerr-Taub-NUT black hole. European Physical Journal C, 2019, 79, 1. | 1.4 | 9 |
| 1562 | Possible Explanation of the Geograv Detector Signal during the Explosion of SN 1987A in Modified Gravity Models. Journal of Experimental and Theoretical Physics, 2019, 128, 599-606. | 0.2 | 1 |
| 1563 | Measuring the Delay Time Distribution of Binary Neutron Stars. II. Using the Redshift Distribution from Third-generation Gravitational-wave Detectors Network. Astrophysical Journal Letters, 2019, 878, L13. | 3.0 | 29 |
| 1564 | A Strategy for LSST to Unveil a Population of Kilonovae without Gravitational-wave Triggers. Publications of the Astronomical Society of the Pacific, 2019, 131, 068004. | 1.0 | 19 |
| 1565 | The Origin of the Most Energetic Galactic Cosmic Rays: Supernova Explosions into Massive Star Plasma Winds. Galaxies, 2019, 7, 48. | 1.1 | 4 |
| 1566 | X-Ray Afterglows of Short Gamma-Ray Bursts: Magnetar or Fireball?. Astrophysical Journal, 2019, 872, 114. | 1.6 | 19 |
| 1567 | Estimation of spectrum and parameters of relic gravitational waves using space-borne interferometers. Research in Astronomy and Astrophysics, 2019, 19, 024. | 0.7 | 5 |
| 1568 | The properties of merging black holes and neutron stars across cosmic time. Monthly Notices of the Royal Astronomical Society, 2019, 487, 2-13. | 1.6 | 96 |
| 1569 | Limits on the population of repeating fast radio bursts from the ASKAP/CRAFT lat50 survey. Monthly Notices of the Royal Astronomical Society, 2019, 486, 5934-5950. | 1.6 | 33 |
| 1570 | Gravitational dynamics in a $2+1$ decomposed spacetime along nonorthogonal double foliations: Hamiltonian evolution and gauge fixing. Physical Review D, 2019, 99, . | 1.6 | 2 |
| 1571 | Calibration of Gamma-Ray Burst Luminosity Correlations Using Gravitational Waves as Standard Sirens. Astrophysical Journal, 2019, 873, 39. | 1.6 | 12 |
| 1572 | Accelerating parameter inference with graphics processing units. Physical Review D, 2019, 99, . | 1.6 | 38 |
| 1573 | Magnetic field distribution in magnetars. Physical Review C, 2019, 99, . | 1.1 | 32 |
| 1574 | Self-gravitating magnetized tori around black holes in general relativity. Physical Review D, 2019, 99, . | 1.6 | 10 |
| 1575 | Thin-shells and thin-shell wormholes in new massive gravity. European Physical Journal C, 2019, 79, 1. | 1.4 | 6 |
| 1576 | Neutron-Star-Merger Equation of State. Universe, 2019, 5, 129. | 0.9 | 6 |
| 1577 | Neutron Star Mergers: Probing the EoS of Hot, Dense Matter by Gravitational Waves. Particles, 2019, 2, 44-56. | 0.5 | 44 |
| 1578 | Numerical Relativity and the Discovery of Gravitational Waves. Annalen Der Physik, 2019, 531, 1800348. | 0.9 | 2 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1579 | Scattering Amplitudes and the Conservative Hamiltonian for Binary Systems at Third Post-Minkowskian Order. <i>Physical Review Letters</i> , 2019, 122, 201603. | 2.9 | 314 |
| 1580 | Equation of state sensitivities when inferring neutron star and dense matter properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 5363-5376. | 1.6 | 89 |
| 1581 | Generalized compactness limit from an arbitrary viewing angle. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 1563-1573. | 1.6 | 29 |
| 1582 | A new delay time distribution for merging neutron stars tested against Galactic and cosmic data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 2896-2909. | 1.6 | 49 |
| 1583 | Merger and Mass Ejection of Neutron Star Binaries. <i>Annual Review of Nuclear and Particle Science</i> , 2019, 69, 41-64. | 3.5 | 165 |
| 1584 | Revisiting the Lower Bound on Tidal Deformability Derived by AT 2017gfo. <i>Astrophysical Journal Letters</i> , 2019, 876, L31. | 3.0 | 109 |
| 1585 | Tides in merging neutron stars: Consistency of the GW170817 event with experimental data on finite nuclei. <i>Physical Review C</i> , 2019, 99, . | 1.1 | 32 |
| 1586 | Leading higher-derivative corrections to Kerr geometry. <i>Journal of High Energy Physics</i> , 2019, 2019, 1. | 1.6 | 58 |
| 1587 | Dark matter decaying in the late Universe can relieve the $\langle H \rangle < 0$ tension. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 139 |
| 1588 | Cosmological cancellation of the vacuum energy density. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 6 |
| 1589 | Causality of the Einstein-Israel-Stewart Theory with Bulk Viscosity. <i>Physical Review Letters</i> , 2019, 122, 221602. | 2.9 | 56 |
| 1590 | Ready-to-use Fourier domain templates for compact binaries inspiraling along moderately eccentric orbits. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 27 |
| 1591 | Fundamental relations between measurement, radiation, and decoherence in gravitational wave laser interferometer detectors. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 7 |
| 1592 | Mirror Coating Solution for the Cryogenic Einstein Telescope. <i>Physical Review Letters</i> , 2019, 122, 231102. | 2.9 | 24 |
| 1593 | Constraining Strangeness in Dense Matter with GW170817. <i>Astrophysical Journal</i> , 2019, 877, 139. | 1.6 | 44 |
| 1594 | A Decade of Gamma-Ray Bursts Observed by Fermi-LAT: The Second GRB Catalog. <i>Astrophysical Journal</i> , 2019, 878, 52. | 1.6 | 152 |
| 1595 | Gravitational collapse in Einstein dilaton-Gauss-Bonnet gravity. <i>Classical and Quantum Gravity</i> , 2019, 36, 134001. | 1.5 | 52 |
| 1596 | Cooling of hypernuclear compact stars: Hartree-Fock models and high-density pairing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 2639-2652. | 1.6 | 19 |

| # | ARTICLE | IF | CITATIONS |
|------|---|------|-----------|
| 1597 | Testing gravity with interstellar precursor missions. Monthly Notices of the Royal Astronomical Society, 2019, 487, 2665-2672. | 1.6 | 10 |
| 1598 | Phenomenological inclusion of alternative dispersion relations to the Teukolsky equation and its application to bounding the graviton mass with gravitational-wave measurements. Physical Review D, 2019, 99, . | 1.6 | 7 |
| 1599 | The Effective Field Theory of Dark Energy Diagnostic of Linear Horndeski Theories After GW170817 and GRB170817A. Universe, 2019, 5, 138. | 0.9 | 5 |
| 1600 | Magnetar as Central Engine of Gamma-Ray Bursts: Central Engineâ€“Jet Connection, Windâ€“Jet Energy Partition, and Origin of Some Ultra-long Bursts. Astrophysical Journal, 2019, 877, 153. | 1.6 | 12 |
| 1601 | Gravity in mimetic scalar-tensor theories after GW170817. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 056-056. | 1.9 | 18 |
| 1602 | Merging black holes in young star clusters. Monthly Notices of the Royal Astronomical Society, 2019, 487, 2947-2960. | 1.6 | 187 |
| 1603 | Dark Energy Survey year 1 results: Constraints on extended cosmological models from galaxy clustering and weak lensing. Physical Review D, 2019, 99, . | 1.6 | 130 |
| 1604 | Constraining the relativistic mean-field model equations of state with gravitational wave observations. Physical Review C, 2019, 99, . | 1.1 | 35 |
| 1605 | Probing neutron star structure via f -mode oscillations and damping in dynamical spacetime models. Physical Review D, 2019, 99, . | 1.6 | 12 |
| 1606 | Constraining twin stars with GW170817. Physical Review D, 2019, 99, . | 1.6 | 116 |
| 1607 | Effective field theory with genuine many-body forces and tidal effects on neutron stars. Astronomische Nachrichten, 2019, 340, 209-212. | 0.6 | 0 |
| 1608 | Horndeski theory and beyond: a review. Reports on Progress in Physics, 2019, 82, 086901. | 8.1 | 340 |
| 1609 | Free-fall of photons in a planar optical cavity. Journal of Physics Communications, 2019, 3, 045007. | 0.5 | 2 |
| 1610 | Collapsars as a major source of r-process elements. Nature, 2019, 569, 241-244. | 13.7 | 234 |
| 1611 | Effects of spin on magnetized binary neutron star mergers and jet launching. Physical Review D, 2019, 99, . | 1.6 | 39 |
| 1612 | Cosmological parameter constraints for Horndeski scalar-tensor gravity. Physical Review D, 2019, 99, . | 1.6 | 60 |
| 1613 | Energetics of two-body Hamiltonians in post-Minkowskian gravity. Physical Review D, 2019, 99, . | 1.6 | 107 |
| 1614 | Test of higher-derivative gravitational relativistic models with the gravitational inverse-square law experiments. Physical Review D, 2019, 99, . | 1.6 | 3 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1615 | Null Geodesies in Static Warped Braneworld. <i>Journal of the Korean Physical Society</i> , 2019, 74, 751-755. | 0.3 | 0 |
| 1616 | Urca reactions during neutron star inspiral. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 1424-1436. | 1.6 | 15 |
| 1617 | An independent search of gravitational waves in the first observation run of advanced LIGO using cross-correlation. <i>General Relativity and Gravitation</i> , 2019, 51, 1. | 0.7 | 9 |
| 1618 | Time-evolution of NIR absorption in hydroxide-catalysis bonds. <i>Materialia</i> , 2019, 6, 100331. | 1.3 | 1 |
| 1619 | Frequency response of space-based interferometric gravitational-wave detectors. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 29 |
| 1620 | All-sky search for long-duration gravitational-wave transients in the second Advanced LIGO observing run. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 22 |
| 1621 | Ghost-free Palatini derivative scalar-tensor theory: Desingularization and the speed test. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 790, 453-457. | 1.5 | 18 |
| 1622 | New exact spherically symmetric solutions in (R, \dot{t}, X) gravity by Noether's symmetry approach. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 016-016. | 1.9 | 29 |
| 1623 | $\langle H \rangle_0$ tension as a hint for a transition in gravitational theory. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 60 |
| 1624 | Gravitational Waves Induced by Non-Gaussian Scalar Perturbations. <i>Physical Review Letters</i> , 2019, 122, 201101. | 2.9 | 271 |
| 1625 | Radioactive Heating and Late Time Kilonova Light Curves. <i>Astrophysical Journal</i> , 2019, 876, 128. | 1.6 | 47 |
| 1626 | Implications from GW170817 for $\hat{\nu}$ -isobar Admixed Hypernuclear Compact Stars. <i>Astrophysical Journal Letters</i> , 2019, 874, L22. | 3.0 | 61 |
| 1627 | Analytic approximations in GR and gravitational waves. <i>International Journal of Modern Physics D</i> , 2019, 28, 1930011. | 0.9 | 5 |
| 1628 | Role of $\hat{\nu}$'s in determining the properties of neutron stars in parameterized hydrostatic equilibrium. <i>International Journal of Modern Physics D</i> , 2019, 28, 1950122. | 0.9 | 5 |
| 1629 | Review of cosmic phase transitions: their significance and experimental signatures. <i>Reports on Progress in Physics</i> , 2019, 82, 076901. | 8.1 | 127 |
| 1630 | Neutron star matter with strange interactions within constraints by GW170817 in a relativistic quark model. <i>Physical Review C</i> , 2019, 99, . | 1.1 | 6 |
| 1631 | Gravitational perturbations of nonsingular black holes in conformal gravity. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 23 |
| 1632 | Secular evolution of compact binaries revolving around a spinning massive black hole. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 13 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1633 | Hyperonic Stars and the Nuclear Symmetry Energy. <i>Frontiers in Astronomy and Space Sciences</i> , 2019, 6, . | 1.1 | 36 |
| 1634 | Advanced quantum techniques for future gravitational-wave detectors. <i>Living Reviews in Relativity</i> , 2019, 22, 1. | 8.2 | 39 |
| 1635 | Can magnetic fields (de)stabilize twin stars?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 4873-4877. | 1.6 | 15 |
| 1636 | Update on testing the isotropy of the properties of gamma-ray bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 3027-3040. | 1.6 | 16 |
| 1637 | Tidal deformability with sharp phase transitions in binary neutron stars. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 97 |
| 1638 | Axial quasinormal modes of scalarized neutron stars with massive self-interacting scalar field. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 18 |
| 1639 | The Mass Distribution of Galactic Double Neutron Stars. <i>Astrophysical Journal</i> , 2019, 876, 18. | 1.6 | 115 |
| 1640 | Equation of State of a Magnetized Dense Neutron System. <i>Universe</i> , 2019, 5, 104. | 0.9 | 8 |
| 1641 | Late Afterglow Emission Statistics: A Clear Link between GW170817 and Bright Short Gamma-Ray Bursts. <i>Astrophysical Journal Letters</i> , 2019, 876, L28. | 3.0 | 5 |
| 1642 | Measurement of Tidal Deformability in the Gravitational Wave Parameter Estimation for Nonspinning Binary Neutron Star Mergers. <i>Journal of the Korean Physical Society</i> , 2019, 74, 842-846. | 0.3 | 2 |
| 1643 | Simplified equations for gravitational field in the vector theory of gravity and new insights into dark energy. <i>Physics of the Dark Universe</i> , 2019, 25, 100321. | 1.8 | 5 |
| 1644 | Implication of GW170817 for Cosmological Bounces. <i>Communications in Theoretical Physics</i> , 2019, 71, 427. | 1.1 | 15 |
| 1645 | Spatially covariant gravity: Perturbative analysis and field transformations. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 19 |
| 1646 | Strangeons constitute bulk strong matter: Test using GW 170817. <i>European Physical Journal A</i> , 2019, 55, 1. | 1.0 | 30 |
| 1647 | The equation of state of dense matter: Stiff, soft, or both?. <i>Astronomische Nachrichten</i> , 2019, 340, 189-193. | 0.6 | 10 |
| 1648 | Soft gravitational radiation from ultra-relativistic collisions at sub- and sub-sub-leading order. <i>Journal of High Energy Physics</i> , 2019, 2019, 1. | 1.6 | 24 |
| 1649 | Neutrino Emission and Cooling of Dark-Matter-Admixed Neutron Stars. <i>Chinese Physics Letters</i> , 2019, 36, 049701. | 1.3 | 6 |
| 1650 | Full 3D numerical relativity simulations of neutron star-boson star collisions with BAM. <i>Classical and Quantum Gravity</i> , 2019, 36, 025002. | 1.5 | 19 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1651 | Numerical approach for Corvino-type gluing of Brill–Lindquist initial data. <i>Classical and Quantum Gravity</i> , 2019, 36, 045011. | 1.5 | 1 |
| 1652 | Binary white dwarfs as laboratories for extreme gravity with LISA. <i>Classical and Quantum Gravity</i> , 2019, 36, 095017. | 1.5 | 15 |
| 1653 | The dynamics of neutron star crusts: Lagrangian perturbation theory for a relativistic superfluid-elastic system. <i>Classical and Quantum Gravity</i> , 2019, 36, 105004. | 1.5 | 18 |
| 1654 | What do we learn about vector interactions from GW170817?. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2019, 46, 034002. | 1.4 | 49 |
| 1655 | Suitable resolution of EOS tables for neutron star investigations. <i>Chinese Physics C</i> , 2019, 43, 054108. | 1.5 | 4 |
| 1656 | Variable binaries and variables in binaries in the Binary star DataBase. <i>Research in Astronomy and Astrophysics</i> , 2019, 19, 033. | 0.7 | 1 |
| 1657 | Numerical simulation of time delay interferometry for TAIJI and new LISA. <i>Research in Astronomy and Astrophysics</i> , 2019, 19, 058. | 0.7 | 19 |
| 1658 | Double neutron star formation: merger times, systemic velocities, and travel distances. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 3213-3227. | 1.6 | 24 |
| 1659 | Complementary constraints on dark energy equation of state from strongly lensed gravitational wave. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 1980-1985. | 1.6 | 15 |
| 1660 | Radio forensics could unmask nearby off-axis gamma-ray bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 4150-4159. | 1.6 | 12 |
| 1662 | Initial data for general relativistic simulations of multiple electrically charged black holes with linear and angular momenta. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 12 |
| 1663 | The Lanczos Equation on Light-Like Hypersurfaces in a Cosmologically Viable Class of Kinetic Gravity Braiding Theories. <i>Symmetry</i> , 2019, 11, 616. | 1.1 | 3 |
| 1664 | Future Prospects for Ground-based Gravitational-wave Detectors: The Galactic Double Neutron Star Merger Rate Revisited. <i>Astrophysical Journal</i> , 2019, 870, 71. | 1.6 | 48 |
| 1665 | Polarization with a Three-dimensional Mixed Magnetic Field and Its Application to GRB 170817A. <i>Astrophysical Journal</i> , 2019, 870, 96. | 1.6 | 7 |
| 1666 | The Short GRB 170817A: Modeling the Off-axis Emission and Implications on the Ejecta Magnetization. <i>Astrophysical Journal</i> , 2019, 871, 123. | 1.6 | 21 |
| 1667 | A Comparison between Radio Loud and Quiet Gamma-Ray Bursts, and Evidence for a Potential Correlation between Intrinsic Duration and Redshift in the Radio Loud Population. <i>Astrophysical Journal</i> , 2019, 871, 118. | 1.6 | 12 |
| 1668 | Measurement Accuracy of Inspiring Eccentric Neutron Star and Black Hole Binaries Using Gravitational Waves. <i>Astrophysical Journal</i> , 2019, 871, 178. | 1.6 | 55 |
| 1669 | The Origin of r-process Enhanced Metal-poor Halo Stars In Now-destroyed Ultra-faint Dwarf Galaxies. <i>Astrophysical Journal</i> , 2019, 871, 247. | 1.6 | 32 |

| # | ARTICLE | IF | CITATIONS |
|------|--|------|-----------|
| 1670 | Modified Gravity at Astrophysical Scales. <i>Astrophysical Journal</i> , 2019, 872, 130. | 1.6 | 5 |
| 1671 | On the Neutrino Distributions in Phase Space for the Rotating Core-collapse Supernova Simulated with a Boltzmann-neutrino-radiation-hydrodynamics Code. <i>Astrophysical Journal</i> , 2019, 872, 181. | 1.6 | 34 |
| 1672 | LSST Target-of-opportunity Observations of Gravitational-wave Events: Essential and Efficient. <i>Astrophysical Journal</i> , 2019, 874, 88. | 1.6 | 37 |
| 1673 | How Does the Earth's Rotation Affect Predictions of Gravitational Wave Strong Lensing Rates?. <i>Astrophysical Journal</i> , 2019, 874, 139. | 1.6 | 21 |
| 1674 | 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. | 1.6 | 18 |
| 1675 | The Population of Eccentric Binary Black Holes: Implications for mHz Gravitational-wave Experiments. <i>Astrophysical Journal</i> , 2019, 875, 75. | 1.6 | 15 |
| 1676 | Possibility of a Coordinated Signaling Scheme in the Galaxy and SETI Experiments. <i>Astrophysical Journal Letters</i> , 2019, 875, L10. | 3.0 | 6 |
| 1677 | Detecting Supermassive Black Hole-induced Binary Eccentricity Oscillations with LISA. <i>Astrophysical Journal Letters</i> , 2019, 875, L31. | 3.0 | 52 |
| 1678 | Neutron star collapse and gravitational waves with a non-convex equation of state. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 4980-5008. | 1.6 | 28 |
| 1679 | Gravitational Waves from Mirror World. <i>Physics</i> , 2019, 1, 67-75. | 0.5 | 4 |
| 1680 | Metal-poor Stars Observed with the Automated Planet Finder Telescope. I. Discovery of Five Carbon-enhanced Metal-poor Stars from LAMOST. <i>Astrophysical Journal</i> , 2019, 875, 89. | 1.6 | 28 |
| 1681 | The new frontier of gravitational waves. <i>Nature</i> , 2019, 568, 469-476. | 13.7 | 55 |
| 1682 | Imprints of the nuclear symmetry energy on the tidal deformability of neutron stars. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2019, 46, 074001. | 1.4 | 43 |
| 1683 | Constraints on the emitting region of the gamma-rays observed in GW170817. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 1247-1255. | 1.6 | 37 |
| 1684 | Impact of the neutron star crust on the tidal polarizability. <i>Physical Review C</i> , 2019, 99, . | 1.1 | 48 |
| 1685 | Gravitational waves from inspiralling compact binaries in conformal gravity. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 5 |
| 1686 | Electroweak phase transition, gravitational waves and dark matter in two scalar singlet extension of the standard model. <i>European Physical Journal C</i> , 2019, 79, 1. | 1.4 | 19 |
| 1687 | Background-limited Imaging in the Near Infrared with Warm InGaAs Sensors: Applications for Time-domain Astronomy. <i>Astronomical Journal</i> , 2019, 157, 46. | 1.9 | 13 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1688 | Neutron Star Mergers Might Not Be the Only Source of r-process Elements in the Milky Way. <i>Astrophysical Journal</i> , 2019, 875, 106. | 1.6 | 152 |
| 1689 | Gravitational waves from first-order phase transitions: LIGO as a window to unexplored seesaw scales. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 021-021. | 1.9 | 85 |
| 1690 | Convenient filtering techniques for LIGO strain of the GW150914 event. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 032-032. | 1.9 | 1 |
| 1691 | Cosmological inference from standard sirens without redshift measurements. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 033-033. | 1.9 | 25 |
| 1692 | Asymmetric dark stars and neutron star stability. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 59 |
| 1693 | Stochastic Gravitational-wave Background from Binary Black Holes and Binary Neutron Stars and Implications for LISA. <i>Astrophysical Journal</i> , 2019, 871, 97. | 1.6 | 73 |
| 1694 | Effect of induced seismicity on advanced gravitational wave interferometers. <i>Classical and Quantum Gravity</i> , 2019, 36, 10LT01. | 1.5 | 5 |
| 1695 | Informing direct neutron capture on tin isotopes near the N=82 shell closure. <i>Physical Review C</i> , 2019, 99, . | 1.1 | 10 |
| 1696 | Nonperturbative Extraction of the Effective Mass in Neutron Matter. <i>Physical Review Letters</i> , 2019, 122, 152701. | 2.9 | 17 |
| 1697 | Hubble Space Telescope Nondetection of PSR J2144â€³933: The Coldest Known Neutron Star^{âˆ—}. <i>Astrophysical Journal</i> , 2019, 874, 175. | 1.6 | 32 |
| 1698 | Ground motion prediction at gravitational wave observatories using archival seismic data. <i>Classical and Quantum Gravity</i> , 2019, 36, 085005. | 1.5 | 11 |
| 1699 | Reactions along the astrophysical s-process path and prospects for neutron radiotherapy with the Liquid-Lithium Target (LiLiT) at the Soreq Applied Research Accelerator Facility (SARAF). <i>European Physical Journal A</i> , 2019, 55, 1. | 1.0 | 27 |
| 1700 | 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> , 2019, 870, 134. | 1.6 | 32 |
| 1701 | $\frac{R}{R_{\text{ETQq1}}} \approx 1.0784314 \frac{rg_{\text{BT}}}{\text{Overlock}} \frac{10 T_f}{50.217 T_d} \left(\frac{\text{stretchy}}{\text{stretchy}} \right)^{\text{stretchy}}$ <p>dark matter. <i>Physical Review D</i>, 2019, 99, .</p> | | |
| 1702 | The spectrum of a fast shock breakout from a stellar wind. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 3502-3509. | 1.6 | 12 |
| 1703 | Reconstruction of the neutron star equation of state from w -quasinormal modes spectra with a piecewise polytropic meshing and refinement method. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 10 |
| 1704 | Neutron-proton mass splitting and pygmy dipole resonance in ^{208}Pb . <i>Physical Review C</i> , 2019, 99, . | | 5 |
| 1705 | Tidal deformability of an anisotropic compact star: Implications of GW170817. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 43 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1706 | TDHF Theory and Its Extensions for the Multinucleon Transfer Reaction: A Mini Review. <i>Frontiers in Physics</i> , 2019, 7, . | 1.0 | 74 |
| 1707 | Phase transitions in neutron stars and their links to gravitational waves. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2019, 46, 073002. | 1.4 | 47 |
| 1708 | Non-thermal afterglow of the binary neutron star merger GW170817: a more natural modelling of electron energy distribution leads to a qualitatively different new solution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 2155-2166. | 1.6 | 6 |
| 1709 | Joint gravitational wave “gamma-ray burst detection rates in the aftermath of GW170817. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 1435-1447. | 1.6 | 38 |
| 1710 | The Kitt Peak Electron Multiplying CCD demonstrator. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 1412-1419. | 1.6 | 16 |
| 1711 | Inflation driven by massive vector fields with derivative self-interactions. <i>International Journal of Modern Physics D</i> , 2019, 28, 1950064. | 0.9 | 7 |
| 1712 | Equation-of-state insensitive relations after GW170817. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 47 |
| 1713 | Revisiting the maximum mass of differentially rotating neutron stars in general relativity with realistic equations of state. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 15 |
| 1714 | Nonparametric inference of the neutron star equation of state from gravitational wave observations. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 112 |
| 1715 | Template-based gravitational-wave echoes search using Bayesian model selection. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 47 |
| 1716 | Bilby: A User-friendly Bayesian Inference Library for Gravitational-wave Astronomy. <i>Astrophysical Journal, Supplement Series</i> , 2019, 241, 27. | 3.0 | 526 |
| 1717 | Third family of compact stars within a nonlocal chiral quark model equation of state. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 87 |
| 1718 | Massively Parallel Simulations of Binary Black Hole Intermediate-Mass-Ratio Inspirals. <i>SIAM Journal of Scientific Computing</i> , 2019, 41, C97-C138. | 1.3 | 34 |
| 1719 | A Fermi Gamma-Ray Burst Monitor Search for Electromagnetic Signals Coincident with Gravitational-wave Candidates in Advanced LIGO's First Observing Run. <i>Astrophysical Journal</i> , 2019, 871, 90. | 1.6 | 30 |
| 1720 | Constraining the non-Einsteinian polarizations of gravitational waves by pulsar timing array. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1. | 2.0 | 5 |
| 1721 | Weak and strong deflection gravitational lensings by a charged Horndeski black hole. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 022-022. | 1.9 | 56 |
| 1722 | Constraints on cosmic curvature with lensing time delays and gravitational waves. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 20 |
| 1723 | Constraints on generalized Eddington-inspired Born-Infeld branes. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 1 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1724 | Multiwavelength studies of gravitational wave sources: Physics and phenomenology. <i>Astronomische Nachrichten</i> , 2019, 340, 346-350. | 0.6 | 0 |
| 1725 | Using excitation-energy dependent fission yields to identify key fissioning nuclei in <i>r</i> -process nucleosynthesis. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2019, 46, 065202. | 1.4 | 73 |
| 1726 | Gravitational waves from conformal symmetry breaking. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 009-009. | 1.9 | 53 |
| 1727 | Presto-Color: A Photometric Survey Cadence for Explosive Physics and Fast Transients. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 068002. | 1.0 | 14 |
| 1728 | Searches for Continuous Gravitational Waves from 15 Supernova Remnants and Fomalhaut b with Advanced LIGO. <i>Astrophysical Journal</i> , 2019, 875, 122. | 1.6 | 61 |
| 1729 | Multi-messenger Extended Emission from the Compact Remnant in GW170817. <i>Astrophysical Journal Letters</i> , 2019, 876, L2. | 3.0 | 12 |
| 1730 | GW150914 peak frequency: a novel consistency test of strong-field general relativity. <i>Classical and Quantum Gravity</i> , 2019, 36, 105009. | 1.5 | 13 |
| 1731 | Testing the cosmic distance-duality relation from future gravitational wave standard sirens. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 26 |
| 1732 | Directed searches for gravitational waves from ultralight bosons. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 65 |
| 1733 | The Wave Nature of Continuous Gravitational Waves from Microlensing. <i>Astrophysical Journal</i> , 2019, 875, 139. | 1.6 | 30 |
| 1734 | 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. | 3.0 | 179 |
| 1735 | Potential Gravitational-wave and Gamma-ray Multi-messenger Candidate from 2015 October 30. <i>Astrophysical Journal Letters</i> , 2019, 876, L4. | 3.0 | 21 |
| 1736 | Low-latency Gravitational-wave Alerts for Multimessenger Astronomy during the Second Advanced LIGO and Virgo Observing Run. <i>Astrophysical Journal</i> , 2019, 875, 161. | 1.6 | 71 |
| 1737 | Stellar binaries that survive supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 5394-5410. | 1.6 | 24 |
| 1738 | Dark matter effect attributed to the inherent structure of cosmic space. <i>International Journal of Modern Physics D</i> , 2019, 28, 1950082. | 0.9 | 1 |
| 1739 | Gravitational waves from post-merger radially oscillating millisecond pulsars. <i>Astronomy and Astrophysics</i> , 2019, 622, A194. | 2.1 | 6 |
| 1740 | Black holes and binary mergers in scalar Gauss-Bonnet gravity: Scalar field dynamics. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 131 |
| 1741 | Anisotropies in the Astrophysical Gravitational-Wave Background: The Impact of Black Hole Distributions. <i>Physical Review Letters</i> , 2019, 122, 111101. | 2.9 | 43 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1742 | 4-Index theory of gravity and its relation with the violation of the energy-momentum conservation law. <i>Modern Physics Letters A</i> , 2019, 34, 1950096. | 0.5 | 4 |
| 1743 | Constraining values of bag constant for strange star candidates. <i>International Journal of Modern Physics D</i> , 2019, 28, 1941006. | 0.9 | 45 |
| 1744 | Energetics of high-energy cosmic radiations. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 33 |
| 1745 | The fortuitous chain reaction. <i>American Journal of Physics</i> , 2019, 87, 264-269. | 0.3 | 1 |
| 1746 | Dark energy in Horndeski theories after GW170817: A review. <i>International Journal of Modern Physics D</i> , 2019, 28, 1942005. | 0.9 | 141 |
| 1747 | Extracting nuclear symmetry energies at high densities from observations of neutron stars and gravitational waves. <i>European Physical Journal A</i> , 2019, 55, 1. | 1.0 | 89 |
| 1748 | Applying deep neural networks to the detection and space parameter estimation of compact binary coalescence with a network of gravitational wave detectors. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1. | 2.0 | 43 |
| 1749 | Electromagnetism and hidden vector fields in modified gravity theories: Spontaneous and induced vectorization. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 42 |
| 1750 | r -process nucleosynthesis: connecting rare-isotope beam facilities with the cosmos. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2019, 46, 083001. | 1.4 | 115 |
| 1751 | Isospin properties in quark matter and quark stars within isospin-dependent quark mass models. <i>Physical Review C</i> , 2019, 99, . | 1.1 | 19 |
| 1752 | Hamiltonian analysis of mimetic scalar gravity revisited. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 26 |
| 1753 | Misaligned snowplough effect and the electromagnetic counterpart to black hole binary mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 31-38. | 1.6 | 2 |
| 1754 | Hot and dense homogeneous nucleonic matter constrained by observations, experiment, and theory. <i>Physical Review C</i> , 2019, 99, . | 1.1 | 14 |
| 1755 | Scalar stochastic gravitational-wave background in Brans-Dicke theory of gravity. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 5 |
| 1756 | Gravitational-Wave Background Sky Maps from Advanced LIGO O1 Data. <i>Physical Review Letters</i> , 2019, 122, 081102. | 2.9 | 21 |
| 1757 | Probing the Fermi-LAT GeV Excess with Gravitational Waves. <i>Physical Review Letters</i> , 2019, 122, 081103. | 2.9 | 8 |
| 1758 | Galactic double neutron star total masses and Gaussian mixture model selection. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 1665-1674. | 1.6 | 14 |
| 1759 | Nuclear matter and neutron star properties with the extended Nambu-Jona-Lasinio model. <i>Chinese Physics C</i> , 2019, 43, 035101. | 1.5 | 4 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1760 | Observational constraints on the structure of gamma-ray burst jets. Monthly Notices of the Royal Astronomical Society, 2019, 482, 5430-5440. | 1.6 | 53 |
| 1761 | Constraints on massive vector dark energy models from integrated Sachs-Wolfe-galaxy cross-correlations. Physical Review D, 2019, 99, . | 1.6 | 23 |
| 1762 | Exact black hole solutions in shift-symmetric quadratic degenerate higher-order scalar-tensor theories. Physical Review D, 2019, 99, . | 1.6 | 52 |
| 1763 | Hairy Schwarzschild-(A)dS black hole solutions in degenerate higher order scalar-tensor theories beyond shift symmetry. Physical Review D, 2019, 99, . | 1.6 | 53 |
| 1764 | Relaxations of perturbations of spacetimes in general relativity coupled to nonlinear electrodynamics. Physical Review D, 2019, 99, . | 1.6 | 48 |
| 1765 | Improved Fermi-GBM GRB Localizations Using BALROG. Astrophysical Journal, 2019, 873, 60. | 1.6 | 19 |
| 1766 | The r-process with the Newly Developed High-precision Mass Model WS4. Astrophysical Journal, 2019, 874, 5. | 1.6 | 9 |
| 1767 | Phase structure of neutron P23 superfluids in strong magnetic fields in neutron stars. Physical Review C, 2019, 99, . | 1.1 | 17 |
| 1768 | Prospects of detecting the nonlinear gravitational wave memory. Physical Review D, 2019, 99, . | 1.6 | 24 |
| 1769 | Conformal teleparallel theories and Weyl geometry. Physical Review D, 2019, 99, . | 1.6 | 12 |
| 1770 | Charged Compact Binary Coalescence Signal and Electromagnetic Counterpart of Plunging Black Hole–Neutron Star Mergers. Astrophysical Journal Letters, 2019, 873, L9. | 3.0 | 29 |
| 1771 | Current status of r -process nucleosynthesis. Progress in Particle and Nuclear Physics, 2019, 107, 109-166. | 5.6 | 124 |
| 1772 | A multiwavelength analysis of a collection of short-duration GRBs observed between 2012 and 2015. Monthly Notices of the Royal Astronomical Society, 2019, 485, 5294-5318. | 1.6 | 22 |
| 1773 | Constraints on r -process nucleosynthesis. Physical Review D, 2019, 99, . | 1.6 | 22 |
| 1774 | Influence of nuclear physics inputs and astrophysical conditions on r-process. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1. | 2.0 | 25 |
| 1775 | Constraints on the cosmic distance duality relation with simulated data of gravitational waves from the Einstein Telescope. Astroparticle Physics, 2019, 108, 57-62. | 1.9 | 31 |
| 1776 | Scale-invariant alternatives to general relativity. III. The inflation-dark energy connection. Physical Review D, 2019, 99, . | 1.6 | 14 |
| 1777 | Extension of the nuclear landscape to hyperheavy nuclei. Physical Review C, 2019, 99, . | 1.1 | 18 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1778 | Light Curves of a Shock-breakout Material and a Relativistic Off-axis Jet from a Binary Neutron Star System. <i>Astrophysical Journal</i> , 2019, 871, 200. | 1.6 | 20 |
| 1779 | A Universal Relation between the Gamma-Ray Luminosity and Power of Relativistic Outflows. <i>Astrophysical Journal</i> , 2019, 873, 120. | 1.6 | 6 |
| 1780 | Gravitational waveforms for high spin and high mass-ratio binary black holes: A synergistic use of numerical-relativity codes. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 7 |
| 1781 | Inspiral of a Spinning Black Holeâ€“Magnetized Neutron Star Binary: Increasing Charge and Electromagnetic Emission. <i>Astrophysical Journal Letters</i> , 2019, 873, L13. | 3.0 | 23 |
| 1782 | A quantisation procedure in the presence of an initial Kasner singularity: primordial gravitational waves from triaxially anisotropic pre-inflation. <i>Classical and Quantum Gravity</i> , 2019, 36, 085007. | 1.5 | 1 |
| 1783 | Deep and rapid observations of strong-lensing galaxy clusters within the sky localization of GW170814. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 5180-5191. | 1.6 | 19 |
| 1784 | A luminosity distribution for kilonovae based on short gamma-ray burst afterglows. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 672-690. | 1.6 | 56 |
| 1785 | Effect of the Brane-Dicke coupling parameter on weak gravitational lensing by wormholes and naked singularities. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 97 |
| 1786 | The Palomar Transient Factory Sky2Night programme. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 4507-4528. | 1.6 | 11 |
| 1787 | Matched-filter study and energy budget suggest no detectable gravitational-wave â€“extended emissionâ€™ from GW170817. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 843-850. | 1.6 | 8 |
| 1788 | Reinterpreting the weak mixing angle from atomic parity violation in view of the Cs neutron rms radius measurement from COHERENT. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 37 |
| 1789 | Moment of inertiaâ€“mass universal relations for neutron stars in scalar-tensor theory with self-interacting massive scalar field. <i>European Physical Journal C</i> , 2019, 79, 1. | 1.4 | 15 |
| 1790 | Quasinormal modes of compact objects in alternative theories of gravity. <i>European Physical Journal Plus</i> , 2019, 134, 1. | 1.2 | 31 |
| 1791 | Eccentric Black Hole Mergers in Dense Star Clusters: The Role of Binaryâ€“Binary Encounters. <i>Astrophysical Journal</i> , 2019, 871, 91. | 1.6 | 158 |
| 1792 | Search for Transient Gravitational-wave Signals Associated with Magnetar Bursts during Advanced LIGOâ€™s Second Observing Run. <i>Astrophysical Journal</i> , 2019, 874, 163. | 1.6 | 26 |
| 1793 | Comparing Treatments of Weak Reactions with Nuclei in Simulations of Core-collapse Supernovae. <i>Astrophysical Journal, Supplement Series</i> , 2019, 240, 38. | 3.0 | 43 |
| 1794 | Amplitudes, observables, and classical scattering. <i>Journal of High Energy Physics</i> , 2019, 2019, 1. | 1.6 | 252 |
| 1795 | Pulsars as Weber gravitational wave detectors. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 791, 167-171. | 1.5 | 3 |

| # | ARTICLE | IF | CITATIONS |
|------|--|------|-----------|
| 1796 | Diversity of supernovae and impostors shortly after explosion. <i>Astronomy and Astrophysics</i> , 2019, 621, A109. | 2.1 | 14 |
| 1797 | Gravitational waves and electroweak baryogenesis in a global study of the extended scalar singlet model. <i>Journal of High Energy Physics</i> , 2019, 2019, 1. | 1.6 | 63 |
| 1798 | Science opportunities and challenges associated with SKA big data. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1. | 2.0 | 16 |
| 1799 | A magnetar-powered X-ray transient as the aftermath of a binary neutron-star merger. <i>Nature</i> , 2019, 568, 198-201. | 13.7 | 79 |
| 1800 | Alive and well: mimetic gravity and a higher-order extension in light of GW170817. <i>Classical and Quantum Gravity</i> , 2019, 36, 017001. | 1.5 | 72 |
| 1801 | Bayesian inference analysis of unmodelled gravitational-wave transients. <i>Classical and Quantum Gravity</i> , 2019, 36, 035011. | 1.5 | 4 |
| 1802 | Vibration isolation system with a compact damping system for power recycling mirrors of KAGRA. <i>Classical and Quantum Gravity</i> , 2019, 36, 095015. | 1.5 | 9 |
| 1803 | Neutron star universal relations with microscopic equations of state. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2019, 46, 034001. | 1.4 | 39 |
| 1804 | The Benefit of Simultaneous Seven-filter Imaging: 10 Years of GROND Observations. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 015002. | 1.0 | 5 |
| 1805 | Searches for ultrahigh-energy neutrinos from gravitational wave events with the Pierre Auger Observatory. <i>Journal of Physics: Conference Series</i> , 2019, 1181, 012060. | 0.3 | 1 |
| 1806 | The MEGaN project II. Gravitational waves from intermediate-mass and binary black holes around a supermassive black hole. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 152-171. | 1.6 | 58 |
| 1807 | Neutron star-axion star collisions in the light of multimessenger astronomy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 908-914. | 1.6 | 29 |
| 1808 | Galactic simulations of r-process elemental abundances. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 5123-5134. | 1.6 | 46 |
| 1809 | Could an X-ray flare after GRB 170817A originate from a post-merger slim accretion disc?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 5773-5776. | 1.6 | 3 |
| 1810 | Surface tension of hot and dense quark matter under strong magnetic fields. <i>Physical Review C</i> , 2019, 99, . | 1.1 | 28 |
| 1811 | Consistent relativistic mean-field models constrained by GW170817. <i>Physical Review C</i> , 2019, 99, . | 1.1 | 58 |
| 1812 | Effective-one-body multipolar waveform for tidally interacting binary neutron stars up to merger. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 55 |
| 1813 | Selecting models of first-order phase transitions using the synergy between collider and gravitational-wave experiments. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 40 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1814 | Bounce in general relativity and higher-order derivative operators. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 16 |
| 1815 | Gravitational axial perturbations and quasinormal modes of loop quantum black holes. <i>European Physical Journal C</i> , 2019, 79, 1. | 1.4 | 20 |
| 1816 | Low-redshift constraints on the Hubble constant from the baryon acoustic oscillation Λ CDM standard rulers and the gravitational wave Λ CDM standard sirens. <i>European Physical Journal C</i> , 2019, 79, 1. | 1.4 | 15 |
| 1817 | Dynamical evolution of non-minimally coupled scalar field in spherically symmetric de Sitter spacetimes. <i>European Physical Journal C</i> , 2019, 79, 1. | 1.4 | 9 |
| 1818 | Linear and second-order geometry perturbations on spacetimes with torsion. <i>European Physical Journal C</i> , 2019, 79, 1. | 1.4 | 8 |
| 1819 | Extended Calculations of Energy Levels and Transition Rates of Nd II-IV Ions for Application to Neutron Star Mergers. <i>Astrophysical Journal, Supplement Series</i> , 2019, 240, 29. | 3.0 | 45 |
| 1820 | Discrete and Continuous Ejection Models of the Radio Source Associated with GW170817. <i>Astrophysical Journal Letters</i> , 2019, 871, L34. | 3.0 | 5 |
| 1821 | On gravitational echoes from ultracompact exotic stars. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 011-011. | 1.9 | 47 |
| 1822 | Pulsar timing in extreme mass ratio binaries: a general relativistic approach. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 360-377. | 1.6 | 16 |
| 1823 | Extracting distribution parameters from multiple uncertain observations with selection biases. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 1086-1093. | 1.6 | 217 |
| 1824 | Stepping-stone sampling algorithm for calculating the evidence of gravitational wave models. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 10 |
| 1825 | Primordial gravitational waves in Horndeski gravity. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 31 |
| 1826 | The r-mode instability windows of strange stars. <i>Research in Astronomy and Astrophysics</i> , 2019, 19, 030. | 0.7 | 6 |
| 1827 | High-precision X-Ray Timing of Three Millisecond Pulsars with NICER: Stability Estimates and Comparison with Radio. <i>Astrophysical Journal</i> , 2019, 874, 160. | 1.6 | 20 |
| 1828 | Charged scalar-tensor solitons and black holes with (approximate) Anti-de Sitter asymptotics. <i>Journal of High Energy Physics</i> , 2019, 2019, 1. | 1.6 | 5 |
| 1829 | Holographic QCD in the Veneziano limit and neutron stars. <i>Journal of High Energy Physics</i> , 2019, 2019, 1. | 1.6 | 49 |
| 1830 | Busting up binaries: encounters between compact binaries and a supermassive black hole. <i>General Relativity and Gravitation</i> , 2019, 51, 1. | 0.7 | 6 |
| 1831 | Scalar gravitational radiation from binaries: Vainshtein mechanism in time-dependent systems. <i>Classical and Quantum Gravity</i> , 2019, 36, 025008. | 1.5 | 34 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1832 | Improving the sensitivity of Advanced LIGO using noise subtraction. <i>Classical and Quantum Gravity</i> , 2019, 36, 055011. | 1.5 | 69 |
| 1833 | The role of the tachyonic instability in Horndeski gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 029-029. | 1.9 | 21 |
| 1834 | mcatCS: A Highly Efficient Cross-matching Scheme for Multi-band Astronomical Catalogs. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 054501. | 1.0 | 4 |
| 1835 | The matrix method for black hole quasinormal modes. <i>Chinese Physics C</i> , 2019, 43, 035105. | 1.5 | 18 |
| 1836 | Classification of gravitational-wave glitches via dictionary learning. <i>Classical and Quantum Gravity</i> , 2019, 36, 075005. | 1.5 | 12 |
| 1837 | Unitary time-evolution in stochastic time-dependent Hilbert spaces. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2019, 52, 195301. | 0.7 | 0 |
| 1838 | Cosmology of surviving Horndeski theory: The road ahead. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 37 |
| 1839 | Positrons and 511 keV Radiation as Tracers of Recent Binary Neutron Star Mergers. <i>Physical Review Letters</i> , 2019, 122, 121101. | 2.9 | 13 |
| 1840 | Actinide Production in the Neutron-rich Ejecta of a Neutron Star Merger. <i>Astrophysical Journal</i> , 2019, 870, 23. | 1.6 | 62 |
| 1841 | Constraints of General Screened Modified Gravities from Comprehensive Analysis of Binary Pulsars. <i>Astrophysical Journal</i> , 2019, 874, 121. | 1.6 | 17 |
| 1842 | Constraining power of cosmological observables: Blind redshift spots and optimal ranges. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 20 |
| 1843 | Hunting the gravitational waves: From Einstein to LIGO. <i>International Journal of Modern Physics D</i> , 2019, 28, 1930008. | 0.9 | 0 |
| 1844 | A Search for Optical Emission from Binary Black Hole Merger GW170814 with the Dark Energy Camera. <i>Astrophysical Journal Letters</i> , 2019, 873, L24. | 3.0 | 14 |
| 1845 | Probing the pre-BBN universe with gravitational waves from cosmic strings. <i>Journal of High Energy Physics</i> , 2019, 2019, 1. | 1.6 | 101 |
| 1846 | Gravitational waves and degrees of freedom in higher derivative gravity. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 7 |
| 1847 | Energy Release from Magnetospheres Deformed by Gravitational Waves. <i>Astrophysical Journal</i> , 2019, 872, 9. | 1.6 | 0 |
| 1848 | Constraints on the equation of state from the stability condition of neutron stars. <i>Astrophysics and Space Science</i> , 2019, 364, 1. | 0.5 | 7 |
| 1849 | Estimating magnetar radii with an empirical meta-model. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 035-035. | 1.9 | 11 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1850 | Shadows of Kerr-like black holes in a modified gravity theory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 046-046. | 1.9 | 51 |
| 1851 | Eccentricity distributions of eccentric binary black holes in galactic nuclei. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 570-581. | 1.6 | 14 |
| 1852 | Particle processes in a discrete spacetime and GW170814 event. <i>European Physical Journal C</i> , 2019, 79, 1. | 1.4 | 9 |
| 1853 | Effect of the mesons on the baryons distribution in the massive NS PSR J0348+0432. <i>Astrophysics and Space Science</i> , 2019, 364, 1. | 0.5 | 4 |
| 1854 | The impact of electron-capture supernovae on merging double neutron stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 2234-2243. | 1.6 | 81 |
| 1855 | Infrared features of gravitational scattering and radiation in the eikonal approach. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 58 |
| 1856 | Quantum field theory with classical sources—linearized quantum gravity. <i>Classical and Quantum Gravity</i> , 2019, 36, 015011. | 1.5 | 3 |
| 1857 | Confronting nuclear equation of state in the presence of dark matter using GW170817 observation in relativistic mean field theory approach. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 41 |
| 1858 | Hyperonic neutron star matter in light of GW170817. <i>Astronomische Nachrichten</i> , 2019, 340, 145-150. | 0.6 | 16 |
| 1859 | Graviton-photon mixing. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 12 |
| 1860 | The Induced Surface Tension Contribution for the Equation of State of Neutron Stars. <i>Astrophysical Journal</i> , 2019, 871, 157. | 1.6 | 18 |
| 1861 | Binaries as Sources of Gravitational Waves. , 2019, , 191-207. | | 0 |
| 1862 | A New AGILE MCAL Configuration to Detect Gamma-Ray Bursts and Sub-threshold Events in the Multimessenger Era. <i>Astrophysical Journal</i> , 2019, 871, 27. | 1.6 | 11 |
| 1863 | An in-medium chiral power-counting scheme for nuclear matter and some applications. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2019, 46, 073001. | 1.4 | 6 |
| 1864 | Effectual template banks for upcoming compact binary searches in Advanced-LIGO and Virgo data. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 36 |
| 1865 | Bigravity and Horndeski gravity connected by a disformal coupling. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 7 |
| 1866 | Jordan frame beyond scalar-tensor theories. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 4 |
| 1867 | Constraints on Minute-Scale Transient Astrophysical Neutrino Sources. <i>Physical Review Letters</i> , 2019, 122, 051102. | 2.9 | 23 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1868 | Hamiltonians and canonical coordinates for spinning particles in curved space-time. Classical and Quantum Gravity, 2019, 36, 075003. | 1.5 | 26 |
| 1869 | Supporting High-Performance and High-Throughput Computing for Experimental Science. Computing and Software for Big Science, 2019, 3, 1. | 1.3 | 9 |
| 1870 | Intrinsic curvature and topology of shadows in Kerr spacetime. Physical Review D, 2019, 99, . | 1.6 | 58 |
| 1871 | Gravitational-Wave Astronomy by Precision Laser Interferometry. Springer Series in Chemical Physics, 2019, , 89-105. | 0.2 | 0 |
| 1872 | Simple procedures to reduce eccentricity of binary black hole simulations. Physical Review D, 2019, 99, . | 1.6 | 18 |
| 1873 | Towards Neutron Capture on Exotic Nuclei: Demonstrating $\langle \text{mml:math display="inline" style="font-family: monospace;">\langle \text{mml:mo stretchy="false" } \langle \text{mml:mi} \rangle \text{d} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle, \langle \text{mml:mi} \rangle \text{p} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \hat{\text{I}}^3 \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \text{Tj E}$ | | |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1886 | A multistage vibration isolation system for Advanced Virgo suspended optical benches. <i>Classical and Quantum Gravity</i> , 2019, 36, 075007. | 1.5 | 17 |
| 1887 | Constraining the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle -\text{Mode} \hat{\epsilon} \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle g \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle -\text{Mode Tidal Instability with GW170817}$. <i>Physical Review Letters</i> , 2019, 122, 061104. | 2.9 | 36 |
| 1888 | Demonstration of Displacement Sensing of a mg-Scale Pendulum for mm- and mg-Scale Gravity Measurements. <i>Physical Review Letters</i> , 2019, 122, 071101. | 2.9 | 43 |
| 1889 | Associating host galaxy candidates to massive black hole binaries resolved by pulsar timing arrays. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 248-259. | 1.6 | 9 |
| 1890 | Constraining nuclear matter parameters with GW170817. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 70 |
| 1891 | Correspondence between modified gravity and general relativity with scalar fields. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 45 |
| 1892 | Compact radio emission indicates a structured jet was produced by a binary neutron star merger. <i>Science</i> , 2019, 363, 968-971. | 6.0 | 272 |
| 1893 | Neutron star cooling with microscopic equations of state. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 5162-5169. | 1.6 | 18 |
| 1894 | Pseudoconformal structure in dense baryonic matter. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 13 |
| 1895 | New probe of dark matter-induced fifth force with neutron star inspirals. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 16 |
| 1896 | Efficient effective one body time-domain gravitational waveforms. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 46 |
| 1897 | Molecular adsorbed layer formation on cooled mirrors and its impacts on cryogenic gravitational wave telescopes. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 14 |
| 1898 | Two-layer compact stars with crystalline quark matter: Screening effect on the tidal deformability. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 16 |
| 1899 | Phenomenology of large-scale structure in scalar-tensor theories: Joint prior covariance of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle w \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle DE \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle , \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle \text{mathvariant="normal"} \rangle \hat{\chi} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle ,$ and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle \hat{\gamma} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ | 1.6 | 33 |
| 1900 | Detecting gravitational wave bursts with LISA in the presence of instrumental glitches. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 24 |
| 1901 | Quasinormal mode spectra for odd parity perturbations in spacetimes with smeared matter sources. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 1 |
| 1902 | Systematic effects from black hole-neutron star waveform model uncertainties on the neutron star equation of state. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 8 |
| 1903 | Structures of the strange quark stars within a quasiparticle model. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 17 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1904 | Nonlinear-in-spin effects in effective-one-body waveform models of spin-aligned, inspiralling, neutron star binaries. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 56 |
| 1905 | Gravitational waveforms from spectral Einstein code simulations: Neutron star-neutron star and low-mass black hole-neutron star binaries. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 41 |
| 1906 | Observing the post-merger signal of GW170817-like events with improved gravitational-wave detectors. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 67 |
| 1907 | Signatures of Quark-Hadron Phase Transitions in General-Relativistic Neutron-Star Mergers. <i>Physical Review Letters</i> , 2019, 122, 061101. | 2.9 | 248 |
| 1908 | Dark Energy after GW170817 Revisited. <i>Physical Review Letters</i> , 2019, 122, 061301. | 2.9 | 73 |
| 1909 | Identifying a First-Order Phase Transition in Neutron-Star Mergers through Gravitational Waves. <i>Physical Review Letters</i> , 2019, 122, 061102. | 2.9 | 257 |
| 1910 | Prospects for Resolving the Hubble Constant Tension with Standard Sirens. <i>Physical Review Letters</i> , 2019, 122, 061105. | 2.9 | 143 |
| 1911 | Fingerprints of Heavy-Element Nucleosynthesis in the Late-Time Lightcurves of Kilonovae. <i>Physical Review Letters</i> , 2019, 122, 062701. | 2.9 | 84 |
| 1912 | Demonstration of detecting soft X-rays using the CMOS detector toward future astronomical mission. , 2019, , . | | 0 |
| 1913 | The Golden Era of Neutron Stars: From Hadrons to Quarks. , 2019, , . | | 1 |
| 1914 | Excitations of the Myers-Perry black holes. <i>Journal of High Energy Physics</i> , 2019, 2019, 1. | 1.6 | 9 |
| 1915 | Einsteinâ€™Cartanâ€™Dirac gravity with U(1) symmetry breaking. <i>European Physical Journal C</i> , 2019, 79, 1. | 1.4 | 6 |
| 1916 | Evolutionary Population Synthesis model with binary stars â€™ Yunnan-II model. <i>Proceedings of the International Astronomical Union</i> , 2019, 15, 35-38. | 0.0 | 0 |
| 1917 | Astrophysical signal consistency test adapted for gravitational-wave transient searches. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 6 |
| 1918 | Non-exploding and exploding core-collapse supernova models and the multimessenger predictions. <i>Proceedings of the International Astronomical Union</i> , 2019, 15, 267-273. | 0.0 | 0 |
| 1919 | Motion deviation of test body induced by spin and cosmological constant in extreme mass ratio inspiral binary system. <i>European Physical Journal C</i> , 2019, 79, 1. | 1.4 | 7 |
| 1920 | Enrichment of Strontium in Dwarf Galaxies. <i>Astrophysical Journal</i> , 2019, 885, 33. | 1.6 | 16 |
| 1921 | Testing Cosmic Opacity with the Combination of Strongly Lensed and Unlensed Supernova Ia. <i>Astrophysical Journal</i> , 2019, 887, 163. | 1.6 | 12 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1922 | On Neutron Star Mergers as the Source of r-process-enhanced Metal-poor Stars in the Milky Way. <i>Astrophysical Journal</i> , 2019, 876, 28. | 1.6 | 23 |
| 1923 | Double Neutron Star Mergers from Hierarchical Triple-star Systems. <i>Astrophysical Journal</i> , 2019, 883, 23. | 1.6 | 25 |
| 1924 | Limits on the Electromagnetic Counterpart of Binary Black Hole Coalescence at Visible Wavelengths. <i>Astrophysical Journal</i> , 2019, 886, 73. | 1.6 | 4 |
| 1925 | PEXO: A Global Modeling Framework for Nanosecond Timing, Microarcsecond Astrometry, and $\hat{1}^{\text{m}}\text{s}^{-1}$ Radial Velocities. <i>Astrophysical Journal, Supplement Series</i> , 2019, 244, 39. | 3.0 | 15 |
| 1926 | Spiral-wave Wind for the Blue Kilonova. <i>Astrophysical Journal Letters</i> , 2019, 886, L30. | 3.0 | 62 |
| 1927 | Upscattered Cocoon Emission in Short Gamma-Ray Bursts as High-energy Gamma-Ray Counterparts to Gravitational Waves. <i>Astrophysical Journal Letters</i> , 2019, 887, L16. | 3.0 | 17 |
| 1928 | Scalar quasinormal modes of nonlinear charged black holes in Rastall gravity. <i>Europhysics Letters</i> , 2019, 128, 50006. | 0.7 | 11 |
| 1929 | Upper limits on the amplitude of ultra-high-frequency gravitational waves from graviton to photon conversion. <i>European Physical Journal C</i> , 2019, 79, 1. | 1.4 | 58 |
| 1930 | The Lanthanide Fraction Distribution in Metal-poor Stars: A Test of Neutron Star Mergers as the Dominant r-process Site. <i>Astrophysical Journal</i> , 2019, 882, 40. | 1.6 | 44 |
| 1931 | Plasmas in Gamma-Ray Bursts: Particle Acceleration, Magnetic Fields, Radiative Processes and Environments. <i>Galaxies</i> , 2019, 7, 33. | 1.1 | 1 |
| 1932 | Search for Neutrinos in Super-Kamiokande Associated with Gravitational Wave Events. <i>Universe</i> , 2019, 5, 7. | 0.9 | 2 |
| 1933 | Matter Growth in Imperfect Fluid Cosmology. <i>Universe</i> , 2019, 5, 68. | 0.9 | 4 |
| 1934 | DSP-Inspired Deep Learning: A Case Study Using Ramanujan Subspaces. , 2019, , . | | 0 |
| 1935 | Kinetic modeling of the electromagnetic precursor from an axisymmetric binary pulsar coalescence. <i>Astronomy and Astrophysics</i> , 2019, 622, A161. | 2.1 | 5 |
| 1936 | Long term measurements from the MĀĳtra Gravitational and Geophysical Laboratory. <i>European Physical Journal: Special Topics</i> , 2019, 228, 1693-1743. | 1.2 | 5 |
| 1937 | Radio afterglows of binary neutron star mergers: a population study for current and future gravitational wave observing runs. <i>Astronomy and Astrophysics</i> , 2019, 631, A39. | 2.1 | 18 |
| 1938 | A Deep Targeted Search for Fast Radio Bursts from the Sites of Low-redshift Short Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2019, 887, 252. | 1.6 | 10 |
| 1939 | Chandra's revolution in X-ray astronomy. <i>Astronomy and Geophysics</i> , 2019, 60, 6.19-6.25. | 0.1 | 4 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1940 | Abundances of disk and bulge giants from high-resolution optical spectra. <i>Astronomy and Astrophysics</i> , 2019, 631, A113. | 2.1 | 31 |
| 1941 | Comparison of Electromagnetic Antenna Chu Limit and Q of Gravitational Radiators. , 2019, , . | | 0 |
| 1942 | Treating quarks within neutron stars. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 56 |
| 1943 | Impact of a Spinning Supermassive Black Hole on the Orbit and Gravitational Waves of a Nearby Compact Binary. <i>Astrophysical Journal</i> , 2019, 887, 210. | 1.6 | 22 |
| 1944 | Black hole binary dynamics from the double copy and effective theory. <i>Journal of High Energy Physics</i> , 2019, 2019, 1. | 1.6 | 264 |
| 1945 | Frequency response of time-delay interferometry for space-based gravitational wave antenna. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 18 |
| 1946 | Unbiased Hubble constant estimation from binary neutron star mergers. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 50 |
| 1947 | The Rate of iPTF 14gqr like Ultra-stripped Supernovae and Binary Evolution Leading to Double Neutron Star Formation. <i>Astrophysical Journal</i> , 2019, 882, 93. | 1.6 | 7 |
| 1948 | Interplay between Delta Particles and Hyperons in Neutron Stars. <i>Astrophysical Journal</i> , 2019, 883, 168. | 1.6 | 46 |
| 1949 | Line Expansion Opacity in Relativistically Expanding Media. <i>Astrophysical Journal</i> , 2019, 887, 60. | 1.6 | 10 |
| 1950 | Hadrons and nuclei. <i>European Physical Journal A</i> , 2019, 55, 1. | 1.0 | 58 |
| 1951 | Gravitational Radiation from Close Binaries with Time-varying Masses. <i>Astrophysical Journal</i> , 2019, 882, 39. | 1.6 | 8 |
| 1952 | Bayesian inference for binary neutron star inspirals using a Hamiltonian Monte-Carlo algorithm. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 4 |
| 1953 | Open Questions in Cosmic-Ray Research at Ultrahigh Energies. <i>Frontiers in Astronomy and Space Sciences</i> , 2019, 6, . | 1.1 | 115 |
| 1954 | Possibility of ρ meson condensation in neutron stars: Unified approach of chiral SU(3) model and QCD sum rules. <i>European Physical Journal Plus</i> , 2019, 134, 1. | 1.2 | 2 |
| 1955 | Constraining chameleon field driven warm inflation with Planck 2018 data. <i>European Physical Journal C</i> , 2019, 79, 1. | 1.4 | 32 |
| 1956 | What laboratory experiments can teach us about cosmology: A chameleon example. <i>EPJ Web of Conferences</i> , 2019, 219, 05001. | 0.1 | 1 |
| 1957 | Experimental studies of neutron-rich nuclei around $N = 126$ at KEK isotope separation system. <i>EPJ Web of Conferences</i> , 2019, 223, 01069. | 0.1 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1958 | Neutron-capture elements in dwarf galaxies. <i>Astronomy and Astrophysics</i> , 2019, 631, A171. | 2.1 | 50 |
| 1959 | A Gravitational Wave Background from Primordial Black Hole Lattices in Matter Dominated Era. <i>Communications in Theoretical Physics</i> , 2019, 71, 1196. | 1.1 | 0 |
| 1960 | IMR consistency tests with higher modes on gravitational signals from the second observing run of LIGO and Virgo. <i>Classical and Quantum Gravity</i> , 2019, 36, 245019. | 1.5 | 11 |
| 1961 | Supernovae in massive binaries and compact object mergers near supermassive black holes. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 045-045. | 1.9 | 1 |
| 1962 | Resonant decay of gravitational waves into dark energy. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 072-072. | 1.9 | 38 |
| 1963 | Coupled vector dark energy. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 032-032. | 1.9 | 16 |
| 1964 | Gravitational waves from first order cosmological phase transitions in the Sound Shell Model. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 062-062. | 1.9 | 97 |
| 1965 | On Progress in Gravitational Waves Recording. <i>Journal of Physics: Conference Series</i> , 2019, 1301, 012008. | 0.3 | 1 |
| 1966 | Equation of state and composition of the inner crust of an accreting neutron star: multicomponent model. <i>Journal of Physics: Conference Series</i> , 2019, 1400, 022016. | 0.3 | 3 |
| 1967 | J0453+1559: A Neutron Star "White Dwarf Binary from a Thermonuclear Electron-capture Supernova?. <i>Astrophysical Journal Letters</i> , 2019, 886, L20. | 3.0 | 19 |
| 1968 | Ricci-Based Gravity theories and their impact on Maxwell and nonlinear electromagnetic models. <i>Journal of High Energy Physics</i> , 2019, 2019, 1. | 1.6 | 30 |
| 1969 | The quest for dual and binary supermassive black holes: A multi-messenger view. <i>New Astronomy Reviews</i> , 2019, 86, 101525. | 5.2 | 119 |
| 1970 | Filling the Mass Gap: How Kilonova Observations Can Unveil the Nature of the Compact Object Merging with the Neutron Star. <i>Astrophysical Journal Letters</i> , 2019, 887, L35. | 3.0 | 18 |
| 1971 | A WKB formula for echoes. <i>International Journal of Geometric Methods in Modern Physics</i> , 2019, 16, 1950181. | 0.8 | 5 |
| 1972 | Impact of chiral hyperonic three-body forces on neutron stars. <i>European Physical Journal A</i> , 2019, 55, 1. | 1.0 | 50 |
| 1973 | Custom Execution Environments with Containers in Pegasus-Enabled Scientific Workflows. , 2019, , . | | 5 |
| 1974 | GROWTH on S190425z: Searching Thousands of Square Degrees to Identify an Optical or Infrared Counterpart to a Binary Neutron Star Merger with the Zwicky Transient Facility and Palomar Gattini-IR. <i>Astrophysical Journal Letters</i> , 2019, 885, L19. | 3.0 | 86 |
| 1975 | Quasinormal modes of dilatonic Reissner-Nordström black holes. <i>European Physical Journal C</i> , 2019, 79, 1. | 1.4 | 18 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1976 | Estimation of the detected background by the future gamma ray transient mission CAMELOT. <i>Astronomische Nachrichten</i> , 2019, 340, 666-673. | 0.6 | 5 |
| 1977 | Observational constraints on warm inflation in loop quantum cosmology. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 066-066. | 1.9 | 15 |
| 1978 | Bulk viscosity of baryonic matter with trapped neutrinos. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 31 |
| 1979 | Bayesian modeling of the nuclear equation of state for neutron star tidal deformabilities and GW170817. <i>European Physical Journal A</i> , 2019, 55, 1. | 1.0 | 60 |
| 1980 | Signatures from a Quasi-spherical Outflow and an Off-axis Top-hat Jet Launched in a Merger of Compact Objects: An Analytical Approach. <i>Astrophysical Journal</i> , 2019, 884, 71. | 1.6 | 9 |
| 1981 | The contribution of the first forbidden transitions to the nuclear $I^2\hat{\alpha}^{\sim}$ -decay half-life. <i>Chinese Physics C</i> , 2019, 43, 114104. | 1.5 | 3 |
| 1982 | Searching for eccentricity: signatures of dynamical formation in the first gravitational-wave transient catalogue of LIGO and Virgo. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 5210-5216. | 1.6 | 88 |
| 1983 | SAGE: A proposal for a space atomic gravity explorer. <i>European Physical Journal D</i> , 2019, 73, 1. | 0.6 | 75 |
| 1984 | A Bright Electromagnetic Counterpart to Extreme Mass Ratio Inspirals. <i>Astrophysical Journal Letters</i> , 2019, 886, L22. | 3.0 | 12 |
| 1985 | Equation of state effects in the core collapse of a $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 20 \langle \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle \hat{\alpha}^{\sim} \langle \text{mml:mtext} \rangle \langle \text{mml:msub} \rangle$ star. <i>Physical Review C</i> , 2019, 100, . | 1.6 | 55 |
| 1986 | Quark star matter at finite temperature. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 13 |
| 1987 | Accurate method to determine the systematics due to the peculiar velocities of galaxies in measuring the Hubble constant from gravitational-wave standard sirens. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 11 |
| 1988 | Search strategies for long gravitational-wave transients: Hidden Markov model tracking and seedless clustering. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 12 |
| 1989 | Gravitational wave signatures of dark matter cores in binary neutron star mergers by using numerical simulations. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 34 |
| 1990 | Cosmological data favor Galileon ghost condensate over $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle \langle \text{mathvariant="normal"} \rangle \hat{\lambda} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{CDM} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 39 |
| 1991 | How to search for gravitational waves from $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle r \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -modes of known pulsars. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 25 |
| 1992 | Inspiralling eccentric binary neutron stars: Orbital motion and tidal resonance. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 19 |
| 1993 | First search for long-duration transient gravitational waves after glitches in the Vela and Crab pulsars. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 22 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1994 | Finite-temperature equations of state for neutron star mergers. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 32 |
| 1995 | Cooling binary neutron star remnants via nucleon-nucleon-axion bremsstrahlung. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 15 |
| 1996 | Rotating strings in six-dimensional higher-derivative supergravity. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 4 |
| 1997 | Sound velocity and tidal deformability in compact stars. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 19 |
| 1998 | Radial oscillations of quark stars from perturbative QCD. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 14 |
| 1999 | Analytical analysis on the orbits of Taiji spacecrafts. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 6 |
| 2000 | Universal behavior of a compact star based upon the gravitational binding energy. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 11 |
| 2001 | Gravitational waves from newborn accreting millisecond magnetars. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 6 |
| 2002 | Implications of the fermion vacuum term in the extended SU(3) quark meson model on compact star properties. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 11 |
| 2003 | Effect of orbital eccentricity on the dynamics of precessing compact binaries. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 10 |
| 2004 | Theory-agnostic framework for dynamical scalarization of compact binaries. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 18 |
| 2005 | Constructing binary neutron star initial data with high spins, high compactnesses, and high mass ratios. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 23 |
| 2006 | Post-Newtonian phase accuracy requirements for stellar black hole binaries with LISA. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 20 |
| 2007 | Application of hidden Markov model tracking to the search for long-duration transient gravitational waves from the remnant of the binary neutron star merger GW170817. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 29 |
| 2008 | Viewing Angle of Binary Neutron Star Mergers. <i>Physical Review X</i> , 2019, 9, . | 2.8 | 24 |
| 2009 | Camouflage of the Phase Transition to Quark Matter in Neutron Stars. <i>Astrophysical Journal</i> , 2019, 887, 151. | 1.6 | 17 |
| 2010 | Neutron star matter as a relativistic Fermi liquid. <i>Physical Review C</i> , 2019, 100, . | 1.1 | 15 |
| 2011 | First 100 μ s of a long-lived magnetized neutron star formed in a binary neutron star merger. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 96 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2012 | Waveform systematics for binary neutron star gravitational wave signals: Effects of spin, precession, and the observation of electromagnetic counterparts. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 23 |
| 2013 | Wider look at the gravitational-wave transients from GWTC-1 using an unmodeled reconstruction method. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 23 |
| 2014 | Parallelized inference for gravitational-wave astronomy. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 62 |
| 2015 | Distinguishing the nature of comparable-mass neutron star binary systems with multimessenger observations: GW170817 case study. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 54 |
| 2016 | Physics of eccentric binary black hole mergers: A numerical relativity perspective. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 26 |
| 2017 | Constraining extra gravitational wave polarizations with Advanced LIGO, Advanced Virgo, and KAGRA and upper bounds from GW170817. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 26 |
| 2018 | Gravitational wave observations, distance measurement uncertainties, and cosmology. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 17 |
| 2019 | Gravitational wave opacity from gauge field dark energy. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 10 |
| 2020 | Cosmological constraints on post-Newtonian parameters in effectively massless scalar-tensor theories of gravity. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 51 |
| 2021 | Realistic sensitivity curves for pulsar timing arrays. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 42 |
| 2022 | Kilohertz gravitational waves from binary neutron star remnants: Time-domain model and constraints on extreme matter. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 73 |
| 2023 | Shortcomings of Shapiro delay-based tests of the equivalence principle on cosmological scales. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 17 |
| 2024 | Smooth equations of state for high-accuracy simulations of neutron star binaries. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 10 |
| 2025 | Hydrodynamical instabilities in the superfluid interior of neutron stars with background flows between the components. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 12 |
| 2026 | Nonstrange quark stars from an NJL model with proper-time regularization. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 26 |
| 2027 | Improved constraints on modified gravity with eccentric gravitational waves. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 12 |
| 2028 | Multiwaveform cross-correlation search method for intermediate-duration gravitational waves from gamma-ray bursts. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 2 |
| 2029 | Binary neutron star mergers: Effects of spin and post-merger dynamics. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 27 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2030 | Growth of matter perturbations in the bi-Galileons field model. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 16 |
| 2031 | Waveform of gravitational waves in the ghost-free parity-violating gravities. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 35 |
| 2032 | Constraining degenerate higher-order scalar-tensor theories with linear growth of matter density fluctuations. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 13 |
| 2033 | Template bank for compact binary coalescence searches in gravitational wave data: A general geometric placement algorithm. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 20 |
| 2034 | Modeling the postmerger gravitational wave signal and extracting binary properties from future binary neutron star detections. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 53 |
| 2035 | Probing the cosmic opacity from future gravitational wave standard sirens. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 17 |
| 2036 | Pulsar timing array constraints on the induced gravitational waves. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 059-059. | 1.9 | 72 |
| 2037 | The optical electromagnetic counterpart of the gravitational wave event GW170817. <i>Nuclear and Particle Physics Proceedings</i> , 2019, 306-308, 42-49. | 0.2 | 2 |
| 2038 | Fate of a neutron star with an endoparasitic black hole and implications for dark matter. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 22 |
| 2039 | Tailoring cosmologies in cubic shift-symmetric Horndeski gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 058-058. | 1.9 | 6 |
| 2040 | Jet Propagation in Neutron Star Mergers and GW170817. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , . | 1.6 | 35 |
| 2041 | Spinning test particles in the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle \hat{\Gamma}^3 \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ spacetime. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 39 |
| 2042 | Two Years of Nonthermal Emission from the Binary Neutron Star Merger GW170817: Rapid Fading of the Jet Afterglow and First Constraints on the Kilonova Fastest Ejecta. <i>Astrophysical Journal Letters</i> , 2019, 886, L17. | 3.0 | 117 |
| 2043 | Nonlocal gravity and gravitational-wave observations. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 022-022. | 1.9 | 22 |
| 2044 | Tests of general relativity with the binary black hole signals from the LIGO-Virgo catalog GWTC-1. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 470 |
| 2045 | Ruling Out the Supersoft High-density Symmetry Energy from the Discovery of PSR J0740+6620 with Mass $\mathcal{M}_{2.14_{-0.09}^{+0.10}} \mathcal{M}_{\odot}$. <i>Astrophysical Journal</i> , 2019, 886, 52. | 1.6 | 25 |
| 2046 | Affine connections in quantum gravity and new scalar fields. <i>Physics of the Dark Universe</i> , 2019, 26, 100403. | 1.8 | 1 |
| 2047 | The Cosmic Distance Duality Relation with Strong Lensing and Gravitational Waves: An Opacity-free Test. <i>Astrophysical Journal</i> , 2019, 885, 70. | 1.6 | 24 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2048 | Constraining the Equation of State of Neutron Stars through GRB X-Ray Plateaus. <i>Astrophysical Journal</i> , 2019, 886, 87. | 1.6 | 1 |
| 2049 | The First Day in the Life of a Magnetar: Evolution of the Inclination Angle, Magnetic Dipole Moment, and Braking Index of Millisecond Magnetars during Gamma-Ray Burst Afterglows. <i>Astrophysical Journal</i> , 2019, 886, 5. | 1.6 | 18 |
| 2050 | A Unified Binary Neutron Star Merger Magnetar Model for the Chandra X-Ray Transients CDF-S XT1 and XT2. <i>Astrophysical Journal</i> , 2019, 886, 129. | 1.6 | 24 |
| 2051 | Fast Radio Bursts from Magnetars Born in Binary Neutron Star Mergers and Accretion Induced Collapse. <i>Astrophysical Journal</i> , 2019, 886, 110. | 1.6 | 96 |
| 2052 | Multi-messenger astronomy with the $\hat{\Gamma}^3$ -ray satellite AGILE: gravitational wave events and ultra-high energy astrophysical neutrinos. <i>Nuclear and Particle Physics Proceedings</i> , 2019, 306-308, 53-60. | 0.2 | 1 |
| 2053 | Probing the equation of state of neutron star matter with gravitational waves from binary inspirals in light of GW170817: a brief review. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2019, 46, 123002. | 1.4 | 31 |
| 2054 | Exact cosmological black hole solutions in scalar tensor vector gravity. <i>Classical and Quantum Gravity</i> , 2019, 36, 245022. | 1.5 | 3 |
| 2055 | Screened fifth forces mediated by dark matter-baryon interactions: Theory and astrophysical probes. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 23 |
| 2056 | Equilibrium and stability of thin spherical shells in Newtonian and relativistic gravity. <i>American Journal of Physics</i> , 2019, 87, 961-970. | 0.3 | 12 |
| 2057 | GW170817 --the first observed neutron star merger and its kilonova: Implications for the astrophysical site of the r-process. <i>European Physical Journal A</i> , 2019, 55, 1. | 1.0 | 69 |
| 2058 | Traversable wormhole magnetic monopoles from Dymnikova metric. <i>European Physical Journal Plus</i> , 2019, 134, 1. | 1.2 | 8 |
| 2059 | Can Kilonova Light Curves Be Standardized?. <i>Astrophysical Journal Letters</i> , 2019, 886, L19. | 3.0 | 11 |
| 2060 | Simultaneous fitting of neutron star structure and cooling data. <i>Physical Review C</i> , 2019, 100, . | 1.1 | 16 |
| 2061 | Quantum-Enhanced Advanced LIGO Detectors in the Era of Gravitational-Wave Astronomy. <i>Physical Review Letters</i> , 2019, 123, 231107. | 2.9 | 359 |
| 2062 | A Search for Gamma-Ray Prompt Emission Associated with the Lorimer Burst FRB 010724. <i>Astrophysical Journal</i> , 2019, 882, 100. | 1.6 | 13 |
| 2063 | Constraints on Skyrme equations of state from doubly magic nuclei, ab initio calculations of low-density neutron matter, and neutron stars. <i>Physical Review C</i> , 2019, 100, . | 1.1 | 11 |
| 2064 | Time delay of timelike particles in gravitational lensing of the Schwarzschild spacetime. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 10 |
| 2065 | Neutrino Echoes from Multimessenger Transient Sources. <i>Physical Review Letters</i> , 2019, 123, 241102. | 2.9 | 34 |

| # | ARTICLE | IF | CITATIONS |
|------|--|------|-----------|
| 2066 | The Equation of State and Some Key Parameters of Neutron Stars: Constraints from GW170817, the Nuclear Data, and the Low-mass X-Ray Binary Data. <i>Astrophysical Journal</i> , 2019, 885, 39. | 1.6 | 18 |
| 2067 | Stochastic Chemical Evolution of Radioactive Isotopes with a Monte Carlo Approach. <i>Astrophysical Journal</i> , 2019, 887, 213. | 1.6 | 24 |
| 2068 | A Path to Greater Credibility: Large-Scale Collaborative Education Research. <i>AERA Open</i> , 2019, 5, 233285841989196. | 1.3 | 10 |
| 2069 | Search for Gravitational-wave Signals Associated with Gamma-Ray Bursts during the Second Observing Run of Advanced LIGO and Advanced Virgo. <i>Astrophysical Journal</i> , 2019, 886, 75. | 1.6 | 29 |
| 2070 | Parity-violating gravity and GW170817 in non-Riemannian cosmology. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 016-016. | 1.9 | 35 |
| 2071 | Luminal propagation of gravitational waves in scalar-tensor theories: The case for torsion. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 13 |
| 2072 | Surrogate model of hybridized numerical relativity binary black hole waveforms. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 153 |
| 2073 | The properties of neutron star in the framework of relativistic Hartree-Fock model with unitary correlation operator method. <i>International Journal of Modern Physics E</i> , 2019, 28, 1950094. | 0.4 | 2 |
| 2074 | Nuclear Forces in the Medium: Insight From the Equation of State. <i>Frontiers in Physics</i> , 2019, 7, . | 1.0 | 9 |
| 2075 | Cosmological constraints and phenomenology of a beyond-Horndeski model. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 16 |
| 2076 | Investigation of effects of assisted ion bombardment on mechanical loss of sputtered tantalum thin films for gravitational wave interferometers. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 4 |
| 2077 | The multi-colour dynamic Universe explored. <i>Nature Astronomy</i> , 2019, 3, 1160-1160. | 4.2 | 11 |
| 2078 | Identification of strontium in the merger of two neutron stars. <i>Nature</i> , 2019, 574, 497-500. | 13.7 | 278 |
| 2079 | Hot neutron stars with microscopic equations of state. <i>Physical Review C</i> , 2019, 100, . | 1.1 | 29 |
| 2080 | Finite tidal effects in GW170817: Observational evidence or model assumptions?. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 27 |
| 2081 | Search for gravitational waves from Scorpius X-1 in the second Advanced LIGO observing run with an improved hidden Markov model. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 46 |
| 2082 | Constraints on quasidilaton massive gravity. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 3 |
| 2083 | Future constraints on dynamical dark-energy using gravitational-wave standard sirens. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 35 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2084 | Searching for Hypermassive Neutron Stars with Short Gamma-Ray Bursts. <i>Astrophysical Journal Letters</i> , 2019, 884, L16. | 3.0 | 20 |
| 2085 | A NICER View of PSR J0030+0451: Implications for the Dense Matter Equation of State. <i>Astrophysical Journal Letters</i> , 2019, 887, L22. | 3.0 | 162 |
| 2086 | A NICER View of PSR J0030+0451: Millisecond Pulsar Parameter Estimation. <i>Astrophysical Journal Letters</i> , 2019, 887, L21. | 3.0 | 914 |
| 2087 | PSR J0030+0451 Mass and Radius from NICER Data and Implications for the Properties of Neutron Star Matter. <i>Astrophysical Journal Letters</i> , 2019, 887, L24. | 3.0 | 978 |
| 2088 | NICER X-Ray Observations of Seven Nearby Rotation-powered Millisecond Pulsars. <i>Astrophysical Journal Letters</i> , 2019, 887, L27. | 3.0 | 45 |
| 2089 | Quantum expander for gravitational-wave observatories. <i>Light: Science and Applications</i> , 2019, 8, 118. | 7.7 | 21 |
| 2090 | Using deep learning to localize gravitational wave sources. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 20 |
| 2091 | Perturbations of stealth black holes in degenerate higher-order scalar-tensor theories. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 46 |
| 2092 | Rotating neutron stars with nonbarotropic thermal profile. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 22 |
| 2093 | Accelerated detection of the binary neutron star gravitational-wave background. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 7 |
| 2094 | The Simulation of Orbit Decay of Double Neutron Star System PSR J1906+0746 by the Gravitational Wave Radiation. <i>Astronomy Reports</i> , 2019, 63, 1090-1094. | 0.2 | 1 |
| 2095 | Ultra-compact objects in semiclassical gravity. <i>Astronomische Nachrichten</i> , 2019, 340, 914-919. | 0.6 | 1 |
| 2096 | Long-term postmerger simulations of relativistic star coalescence: Formation of toroidal remnants and gravitational wave afterglow. <i>International Journal of Modern Physics D</i> , 2019, 28, 1950026. | 0.9 | 3 |
| 2097 | Science prospects for SPHiNX – A small satellite GRB polarimetry mission. <i>Astroparticle Physics</i> , 2019, 104, 54-63. | 1.9 | 11 |
| 2098 | Observatory science with eXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1. | 2.0 | 50 |
| 2099 | Ho ^Λ ava – Lifshitz cosmology in light of new data. <i>Physics of the Dark Universe</i> , 2019, 23, 100253. | 1.8 | 19 |
| 2100 | LIGO analogy lab – A set of undergraduate lab experiments to demonstrate some principles of gravitational wave detection. <i>American Journal of Physics</i> , 2019, 87, 44-56. | 0.3 | 3 |
| 2101 | Delineating effects of nuclear symmetry energy on the radii and tidal polarizabilities of neutron stars. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2019, 46, 014002. | 1.4 | 47 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2102 | Low-mass X-ray binaries: the effects of the magnetic braking prescription. Monthly Notices of the Royal Astronomical Society, 2019, 483, 5595-5613. | 1.6 | 32 |
| 2103 | Accretion in strong field gravity with eXTP. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1. | 2.0 | 27 |
| 2104 | Testing general relativity in cosmology. Living Reviews in Relativity, 2019, 22, 1. | 8.2 | 265 |
| 2105 | Nature abhors a circle. Classical and Quantum Gravity, 2019, 36, 01LT01. | 1.5 | 3 |
| 2106 | A lesson from GW170817: most neutron star mergers result in tightly collimated successful GRB jets. Monthly Notices of the Royal Astronomical Society, 2019, 483, 840-851. | 1.6 | 71 |
| 2107 | Properties of the Binary Neutron Star Merger GW170817. Physical Review X, 2019, 9, . | 2.8 | 728 |
| 2108 | Selected topics in scalar-tensor theories and beyond. International Journal of Modern Physics D, 2019, 28, 1930012. | 0.9 | 71 |
| 2109 | The eccentric behavior of inspiralling compact binaries. Classical and Quantum Gravity, 2019, 36, 025004. | 1.5 | 21 |
| 2110 | Stellar black hole binary mergers in open clusters. Monthly Notices of the Royal Astronomical Society, 2019, 483, 1233-1246. | 1.6 | 47 |
| 2111 | Propagation of gravitational waves in symmetric teleparallel gravity theories. Physical Review D, 2019, 99, . | 1.6 | 52 |
| 2112 | Public and teacher response to Einsteinian physics in schools. Physics Education, 2019, 54, 015001. | 0.3 | 14 |
| 2113 | Binary neutron star merger remnants as sources of cosmic rays below the "Ankle". Astroparticle Physics, 2019, 106, 10-17. | 1.9 | 5 |
| 2114 | Neutron star equation of state and GW170817. Journal of Physics G: Nuclear and Particle Physics, 2019, 46, 014003. | 1.4 | 11 |
| 2115 | Testing Horndeski gravity as dark matter with hi_class. Physics of the Dark Universe, 2019, 23, 100243. | 1.8 | 6 |
| 2116 | Cooling off with a kilonova " lower limit on the expansion velocity of GW170817. Monthly Notices of the Royal Astronomical Society, 2019, 483, 624-627. | 1.6 | 5 |
| 2117 | The search for high-energy neutrinos coincident with fast radio bursts with the ANTARES neutrino telescope. Monthly Notices of the Royal Astronomical Society, 2019, 482, 184-193. | 1.6 | 8 |
| 2118 | Long-term GRMHD simulations of neutron star merger accretion discs: implications for electromagnetic counterparts. Monthly Notices of the Royal Astronomical Society, 2019, 482, 3373-3393. | 1.6 | 207 |
| 2119 | Dense matter with eXTP. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1. | 2.0 | 81 |

| # | ARTICLE | IF | CITATIONS |
|------|--|------|-----------|
| 2120 | Horndeski gravity without screening in binary pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 947-963. | 1.6 | 15 |
| 2121 | Lyman $\hat{\pm}$ forest and non-linear structure characterization in Fuzzy Dark Matter cosmologies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 3227-3243. | 1.6 | 100 |
| 2122 | Effects of hadron $\hat{\pm}$ quark phase transition on properties of neutron stars. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2019, 46, 015202. | 1.4 | 15 |
| 2123 | The minimum and maximum gravitational-wave background from supermassive binary black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 2588-2596. | 1.6 | 18 |
| 2124 | The origin of polarization in kilonovae and the case of the gravitational-wave counterpart AT 2017gfo. <i>Nature Astronomy</i> , 2019, 3, 99-106. | 4.2 | 29 |
| 2125 | Electrodynamics of binary neutron star mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 2766-2777. | 1.6 | 20 |
| 2126 | Head-on collisions and orbital mergers of Proca stars. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 51 |
| 2127 | Gravitational waves in modified gravity. <i>International Journal of Modern Physics D</i> , 2019, 28, 1942002. | 0.9 | 31 |
| 2128 | Cold atom quantum simulator for dilute neutron matter. <i>International Journal of Modern Physics E</i> , 2019, 28, 1930001. | 0.4 | 18 |
| 2129 | Modeling the dynamics of black holes through balanced equations of motion. <i>International Journal of Geometric Methods in Modern Physics</i> , 2019, 16, 1950034. | 0.8 | 2 |
| 2130 | Unveiling the enigma of ATLAS17aeu. <i>Astronomy and Astrophysics</i> , 2019, 621, A81. | 2.1 | 1 |
| 2131 | $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle \hat{I}^2 \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -decay half-lives of neutron-rich nuclides in the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle A \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle = \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 600 \langle \text{mml:mo} \rangle$ region. <i>Physical Review C</i> , 2019, 99, . | | |
| 2132 | The gravitational rainbow beyond Einstein gravity. <i>International Journal of Modern Physics D</i> , 2019, 28, 1942003. | 0.9 | 6 |
| 2133 | A systematic approach to generalisations of General Relativity and their cosmological implications. <i>Physics Reports</i> , 2019, 796, 1-113. | 10.3 | 231 |
| 2134 | Multimode black hole spectroscopy. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 38 |
| 2135 | Semi-analytic modelling of the europium production by neutron star mergers in the halo of the Milky Way. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 4397-4410. | 1.6 | 3 |
| 2136 | A Comprehensive Bayesian Discrimination of the Simple Stellar Population Model, Star Formation History, and Dust Attenuation Law in the Spectral Energy Distribution Modeling of Galaxies. <i>Astrophysical Journal, Supplement Series</i> , 2019, 240, 3. | 3.0 | 24 |
| 2137 | KAGRA: 2.5 generation interferometric gravitational wave detector. <i>Nature Astronomy</i> , 2019, 3, 35-40. | 4.2 | 331 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2138 | Enhanced black hole mergers in binary–binary interactions. Monthly Notices of the Royal Astronomical Society, 2019, 483, 4060-4069. | 1.6 | 80 |
| 2139 | The radius of the canonical-mass neutron star and chiral effective field theory. Journal of Physics G: Nuclear and Particle Physics, 2019, 46, 024001. | 1.4 | 7 |
| 2140 | Matter imprints in waveform models for neutron star binaries: Tidal and self-spin effects. Physical Review D, 2019, 99, . | 1.6 | 144 |
| 2141 | Quasinormal modes of static and spherically symmetric black holes with the derivative coupling. General Relativity and Gravitation, 2019, 51, 1. | 0.7 | 5 |
| 2142 | Modified gravity as a diagravitational medium. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 336-340. | 1.5 | 5 |
| 2143 | Toward unveiling the relativistic fireball. Nature Astronomy, 2019, 3, 200-201. | 4.2 | 1 |
| 2144 | Phenomenology in type-I minimally modified gravity. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 017-017. | 1.9 | 32 |
| 2145 | Angular momentum loss for eccentric compact binary in screened modified gravity. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 019-019. | 1.9 | 15 |
| 2146 | Magnetically Inspired Explosive Outflows from Neutron-star Mergers. Astrophysical Journal Letters, 2019, 870, L20. | 3.0 | 15 |
| 2147 | Measurement of marked correlation functions in SDSS-III Baryon Oscillation Spectroscopic Survey using LOWZ galaxies in Data Release 12. Monthly Notices of the Royal Astronomical Society, 2019, 484, 2148-2165. | 1.6 | 13 |
| 2148 | Effects of the equation of state on the core-crust interface of slowly rotating neutron stars. Physical Review C, 2019, 99, . | 1.1 | 11 |
| 2149 | Strangeness and $\langle \mathbb{P} \rangle$ resonance in compact stars with relativistic-mean-field models. Physical Review D, 2019, 99, . | 1.6 | 25 |
| 2150 | Signals in the tidal deformability for phase transitions in compact stars with constraints from GW170817. Physical Review D, 2019, 99, . | 1.6 | 74 |
| 2151 | Gravitational waveforms, polarizations, response functions, and energy losses of triple systems in Einstein-aether theory. Physical Review D, 2019, 99, . | 1.6 | 21 |
| 2152 | Heavy quark production and properties of Quark–Gluon Plasma. Progress in Particle and Nuclear Physics, 2019, 104, 97-141. | 5.6 | 64 |
| 2153 | Deconfinement of nonstrange hadronic matter with nucleons and Λ baryons to quark matter in neutron stars. International Journal of Modern Physics D, 2019, 28, 1950040. | 0.9 | 9 |
| 2154 | Results of a systematic search for outburst events in 1.4 million galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 482, 98-117. | 1.6 | 8 |
| 2155 | Coupled axisymmetric pulsar magnetospheres. Monthly Notices of the Royal Astronomical Society, 2019, 482, 1942-1954. | 1.6 | 6 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2156 | Performance study of a large CsI(Tl) scintillator with an MPPC readout for nanosatellites used to localize gamma-ray bursts. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 924, 316-320. | 0.7 | 8 |
| 2157 | A consistent estimate for gravitational wave and electromagnetic transient rates. Monthly Notices of the Royal Astronomical Society, 2019, 482, 870-880. | 1.6 | 86 |
| 2158 | How to detect the shortest period binary pulsars in the era of LISA. Monthly Notices of the Royal Astronomical Society, 2019, 483, 2615-2620. | 1.6 | 16 |
| 2159 | Light propagation in 2PN approximation in the field of one moving monopole II. Boundary value problem. Classical and Quantum Gravity, 2019, 36, 015007. | 1.5 | 5 |
| 2160 | A new data analysis framework for the search of continuous gravitational wave signals. Classical and Quantum Gravity, 2019, 36, 015008. | 1.5 | 31 |
| 2161 | Stochastic gravitational wave backgrounds. Reports on Progress in Physics, 2019, 82, 016903. | 8.1 | 176 |
| 2162 | Observational evidence for extended emission to GW170817. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 482, L46-L49. | 1.2 | 23 |
| 2163 | Long-lived radio-isotopes: Unique signatures of close-by supernovae in the past. Nuclear Instruments & Methods in Physics Research B, 2019, 438, 148-155. | 0.6 | 6 |
| 2164 | Squeezed vacuum states of light for gravitational wave detectors. Reports on Progress in Physics, 2019, 82, 016905. | 8.1 | 74 |
| 2165 | Probing primordial gravitational waves: Ali CMB Polarization Telescope. National Science Review, 2019, 6, 145-154. | 4.6 | 59 |
| 2166 | Bayesian nonparametric spectral density estimation using B-spline priors. Statistics and Computing, 2019, 29, 67-78. | 0.8 | 29 |
| 2167 | Determining the Intelligibility of Einsteinian Concepts with Middle School Students. Research in Science Education, 2020, 50, 2505-2532. | 1.4 | 18 |
| 2168 | Torsion-Bar Antenna: A ground-based mid-frequency and low-frequency gravitational wave detector. International Journal of Modern Physics D, 2020, 29, 1940003. | 0.9 | 14 |
| 2169 | Effective field theories of post-Newtonian gravity: a comprehensive review. Reports on Progress in Physics, 2020, 83, 075901. | 8.1 | 121 |
| 2170 | The Giant Radio Array for Neutrino Detection (GRAND): Science and design. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1. | 2.0 | 130 |
| 2171 | A kilonova associated with GRB 070809. Nature Astronomy, 2020, 4, 77-82. | 4.2 | 55 |
| 2172 | Sampling from manifold-restricted distributions using tangent bundle projections. Statistics and Computing, 2020, 30, 587-602. | 0.8 | 1 |
| 2173 | ZAIGA: Zhaoshan long-baseline atom interferometer gravitation antenna. International Journal of Modern Physics D, 2020, 29, 1940005. | 0.9 | 87 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2174 | Extraction of gravitational wave signals with optimized convolutional neural network. <i>Frontiers of Physics</i> , 2020, 15, 1. | 2.4 | 4 |
| 2175 | Neutron-star mergers and new opportunities in rare isotope experimental research. <i>Annals of Physics</i> , 2020, 412, 168017. | 1.0 | 1 |
| 2176 | Measurement of mechanical losses in the carbon nanotube black coating of silicon wafers. <i>Classical and Quantum Gravity</i> , 2020, 37, 015004. | 1.5 | 2 |
| 2177 | Simulation and prototype testing of multi-wire drift chamber arrays for the CEE. <i>Nuclear Science and Techniques/Hewuli</i> , 2020, 31, 1. | 1.3 | 13 |
| 2178 | Waveform of gravitational waves in the general parity-violating gravities. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 61 |
| 2179 | Linking gravitational waves and X-ray phenomena with joint LISA and Athena observations. <i>Nature Astronomy</i> , 2020, 4, 26-31. | 4.2 | 31 |
| 2180 | Astronomy and the new SI. <i>Publications of the Astronomical Society of the Pacific</i> , 2020, 132, 021001. | 1.0 | 1 |
| 2181 | The Legacy of Einstein's Eclipse, Gravitational Lensing. <i>Universe</i> , 2020, 6, 9. | 0.9 | 12 |
| 2182 | Identification of Absorption Lines of Heavy Metals in the Wavelength Range 0.97–1.32 μm . <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 10. | 3.0 | 10 |
| 2183 | Black hole formation in relativistic Oscillaton collisions. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 027-027. | 1.9 | 14 |
| 2184 | On the Rate of Neutron Star Binary Mergers from Globular Clusters. <i>Astrophysical Journal Letters</i> , 2020, 888, L10. | 3.0 | 115 |
| 2185 | Kilonovae. <i>Living Reviews in Relativity</i> , 2020, 23, 1. | 8.2 | 268 |
| 2186 | Neutron star masses in $\langle m \rangle = 1.35 M_{\odot}$. <i>Physics of the Dark Universe</i> , 2020, 27, 100411. | 1.8 | 12 |
| 2187 | Binary neutron stars gravitational wave detection based on wavelet packet analysis and convolutional neural networks. <i>Frontiers of Physics</i> , 2020, 15, 1. | 2.4 | 16 |
| 2188 | The first six months of the Advanced LIGO's and Advanced Virgo's third observing run with GRANDMA. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 3904-3927. | 1.6 | 53 |
| 2189 | Orbit design for space atom-interferometer AIGSO. <i>International Journal of Modern Physics D</i> , 2020, 29, 1940004. | 0.9 | 7 |
| 2190 | Gravitational wave denoising of binary black hole mergers with deep learning. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 800, 135081. | 1.5 | 61 |
| 2191 | Constraints and correlations of nuclear matter parameters from a density-dependent van der Waals model. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2020, 47, 035101. | 1.4 | 8 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2192 | Relation between gravitational mass and baryonic mass for non-rotating and rapidly rotating neutron stars. <i>Frontiers of Physics</i> , 2020, 15, 1. | 2.4 | 23 |
| 2193 | Hybrid star within the framework of a lowest-order constraint variational method. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 8 |
| 2194 | The hyperon coupling constants and the surface gravitational redshift of massive neutron stars. <i>Chinese Journal of Physics</i> , 2020, 63, 240-247. | 2.0 | 5 |
| 2195 | Modified gravity in the framework of holographic dark energy. <i>Modern Physics Letters A</i> , 2020, 35, 2050025. | 0.5 | 1 |
| 2196 | Three-dimensional models of core-collapse supernovae from low-mass progenitors with implications for Crab. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 2039-2084. | 1.6 | 78 |
| 2197 | Detectability of radio afterglows from binary neutron star mergers and implications for fast radio bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 2384-2390. | 1.6 | 4 |
| 2198 | Localizing merging black holes with sub-arcsecond precision using gravitational-wave lensing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 3395-3402. | 1.6 | 52 |
| 2199 | Fluid pulsation modes from strange stars in a higher-dimensional spacetime. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 3 |
| 2200 | Defeating stochasticity: coalescence time-scales of massive black holes in galaxy mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 739-746. | 1.6 | 17 |
| 2201 | A new approach to modelling gamma-ray burst afterglows: using Gaussian processes to account for the systematics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 4672-4683. | 1.6 | 7 |
| 2202 | Nonlinear phase estimation enhanced by an actively correlated Mach-Zehnder interferometer. <i>Physical Review A</i> , 2020, 102, . | 1.0 | 14 |
| 2203 | Half-solution to the two-body problem in general relativity. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 5 |
| 2204 | Phase diagram and compact stars in a holographic QCD model. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 23 |
| 2205 | Quantum Backaction Cancellation in the Audio Band. <i>Physical Review X</i> , 2020, 10, . | 2.8 | 7 |
| 2206 | The interplay between the nuclear level density and the separation energy of rotating superheavy nucleus $Z=119$ at low temperature regime. <i>Nuclear Physics A</i> , 2020, 1003, 122013. | 0.6 | 0 |
| 2207 | Proto-neutron stars with heavy baryons and universal relations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 914-931. | 1.6 | 40 |
| 2208 | Existence of conserved quantities and their algebra in curved spacetime. <i>International Journal of Modern Physics A</i> , 2020, 35, 2050162. | 0.5 | 0 |
| 2209 | New models with independent dynamical torsion and nonmetricity fields. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 057-057. | 1.9 | 23 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2210 | The gravitational waves from the collapsing domain walls in the complex singlet model. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 7 |
| 2211 | Quantum-corrected scattering and absorption of a Schwarzschild black hole with GUP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 810, 135830. | 1.5 | 15 |
| 2212 | Fission and the r -process nucleosynthesis of translead nuclei in neutron star mergers. Physical Review C, 2020, 102, . | 1.6 | 32 |
| 2213 | Equivalence between Horndeski and beyond Horndeski theories and imperfect fluids. Physical Review D, 2020, 102, . | 1.6 | 11 |
| 2214 | Cosmological bounces, cyclic universes, and effective cosmological constant in Einstein-Cartan-Dirac-Maxwell theory. Physical Review D, 2020, 102, . | 1.6 | 7 |
| 2215 | Nuclear Collective Dynamics in Transport Model With the Lattice Hamiltonian Method. Frontiers in Physics, 2020, 8, . | 1.0 | 5 |
| 2216 | Post-merger chirps from binary black holes as probes of the final black-hole horizon. Communications Physics, 2020, 3, . | 2.0 | 7 |
| 2217 | Aligned-spin neutron-star “black-hole waveform model based on the effective-one-body approach and numerical-relativity simulations. Physical Review D, 2020, 102, . | 1.6 | 51 |
| 2218 | Analytic properties of the electromagnetic field of binary compact stars and electromagnetic precursors to gravitational waves. Progress of Theoretical and Experimental Physics, 2020, 2020, . | 1.8 | 8 |
| 2219 | Searching for electromagnetic counterparts to gravitational-wave merger events with the prototype Gravitational-Wave Optical Transient Observer (GOTO-4). Monthly Notices of the Royal Astronomical Society, 2020, 497, 726-738. | 1.6 | 68 |
| 2220 | GRANDMA observations of advanced LIGO’s and advanced Virgo’s third observational campaign. Monthly Notices of the Royal Astronomical Society, 2020, 497, 5518-5539. | 1.6 | 63 |
| 2221 | Hunting for the host galaxy groups of binary black holes and the application in constraining Hubble constant. Monthly Notices of the Royal Astronomical Society, 2020, 498, 1786-1800. | 1.6 | 25 |
| 2222 | Machine learning for transient recognition in difference imaging with minimum sampling effort. Monthly Notices of the Royal Astronomical Society, 2020, 499, 6009-6017. | 1.6 | 9 |
| 2223 | Bayesian metric reconstruction with gravitational wave observations. Physical Review D, 2020, 102, . | 1.6 | 28 |
| 2224 | The loss in reflecting coating induced by polarization. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126878. | 0.9 | 1 |
| 2225 | A thousand days after the merger: Continued X-ray emission from GW170817. Monthly Notices of the Royal Astronomical Society, 2020, 498, 5643-5651. | 1.6 | 79 |
| 2226 | Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2020, 23, 3. | 8.2 | 447 |
| 2227 | Gravity in the infrared and effective nonlocal models. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 010-010. | 1.9 | 29 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2228 | Simulating kilonovae in the Λ CDM universe. Monthly Notices of the Royal Astronomical Society, 2020, 498, 926-939. | 1.6 | 4 |
| 2229 | Measuring the eccentricity of GW170817 and GW190425. Monthly Notices of the Royal Astronomical Society, 2020, 497, 1966-1971. | 1.6 | 32 |
| 2230 | Cosmological inference using gravitational wave standard sirens: A mock data analysis. Physical Review D, 2020, 101, . | 1.6 | 95 |
| 2231 | Subtracting compact binary foreground sources to reveal primordial gravitational-wave backgrounds. Physical Review D, 2020, 102, . | 1.6 | 48 |
| 2232 | A Comparative Study of Long and Short GRBs. II. A Multiwavelength Method to Distinguish Type II (Massive Star) and Type I (Compact Star) GRBs. Astrophysical Journal, 2020, 897, 154. | 1.6 | 14 |
| 2233 | Multimessenger and multiphysics Bayesian inference for the GW170817 binary neutron star merger. Physical Review C, 2020, 102, . | 1.1 | 39 |
| 2234 | Energy conditions in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mo stretchy="false"} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle Q \langle \text{mml:mi} \rangle \langle \text{mml:mo stretchy="false"} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:math} \rangle$ gravity. Physical Review D, 2020, 102, . | 1.6 | 105 |
| 2235 | Multiband gravitational-wave parameter estimation: A study of future detectors. Physical Review D, 2020, 102, . | 1.6 | 20 |
| 2236 | Neutron stars with a generalized Proca hair and spontaneous vectorization. Physical Review D, 2020, 102, . | 1.6 | 29 |
| 2237 | Axions in neutron star mergers. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 023-023. | 1.9 | 19 |
| 2238 | Using machine learning for transient classification in searches for gravitational-wave counterparts. Monthly Notices of the Royal Astronomical Society, 2020, 497, 1320-1331. | 1.6 | 10 |
| 2239 | Positivity in the Sky: Constraining dark energy and modified gravity from the UV. Physical Review D, 2020, 101, . | 1.6 | 51 |
| 2240 | Nonparametric inference of neutron star composition, equation of state, and maximum mass with GW170817. Physical Review D, 2020, 101, . | 1.6 | 108 |
| 2241 | Astrophysical implications of neutron star inspiral and coalescence. International Journal of Modern Physics D, 2020, 29, 2041015. | 0.9 | 17 |
| 2242 | Two-Dimensional Correlation Function of Binary Black Hole Coalescences. Universe, 2020, 6, 93. | 0.9 | 10 |
| 2243 | A Joint Fermi-GBM and LIGO/Virgo Analysis of Compact Binary Mergers from the First and Second Gravitational-wave Observing Runs. Astrophysical Journal, 2020, 893, 100. | 1.6 | 12 |
| 2244 | Gamma-Ray Burst Afterglows in the Multimessenger Era: Numerical Models and Closure Relations. Astrophysical Journal, 2020, 896, 166. | 1.6 | 114 |
| 2246 | A Search for Gravitational Waves from Binary Mergers with a Single Observatory. Astrophysical Journal, 2020, 897, 169. | 1.6 | 29 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2247 | Quantum black hole seismology. II. Applications to astrophysical black holes. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 5 |
| 2248 | Onset of spontaneous scalarization in generalized scalar-tensor theories. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 27 |
| 2249 | The Early Universe as a Source of Gravitational Waves. , 0, , . | | 0 |
| 2250 | Atomic Physics Studies at the Gamma Factory at CERN. <i>Annalen Der Physik</i> , 2020, 532, 2000204. | 0.9 | 33 |
| 2251 | Self-consistent mean field approximation and application in three-flavor NJL model. <i>Chinese Physics C</i> , 2020, 44, 074104. | 1.5 | 7 |
| 2252 | Particle creation by wormholes: A 1 + 1 model. <i>International Journal of Modern Physics D</i> , 2020, 29, 2041009. | 0.9 | 3 |
| 2253 | Relativistic Envelopes and Gamma-Rays from Neutron Star Mergers. <i>Astrophysical Journal</i> , 2020, 897, 141. | 1.6 | 13 |
| 2254 | Late-time cosmological evolution in degenerate higher-order scalar-tensor models. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 6 |
| 2255 | Review of uncertainties in the cosmic supernova relic neutrino background. <i>Modern Physics Letters A</i> , 2020, 35, 2030011. | 0.5 | 7 |
| 2256 | Constraining bag constant for hybrid neutron stars. <i>International Journal of Modern Physics E</i> , 2020, 29, 2050044. | 0.4 | 5 |
| 2257 | Universality in the Classical Limit of Massless Gravitational Scattering. <i>Physical Review Letters</i> , 2020, 125, 031601. | 2.9 | 77 |
| 2258 | Tidal Deformations of Hybrid Stars with Sharp Phase Transitions and Elastic Crusts. <i>Astrophysical Journal</i> , 2020, 895, 28. | 1.6 | 25 |
| 2259 | Lessons from counterpart searches in LIGO and Virgo's third observing campaign. <i>Nature Astronomy</i> , 2020, 4, 550-552. | 4.2 | 14 |
| 2260 | The evolution of gamma-ray burst jet opening angle through cosmic time. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 4371-4381. | 1.6 | 12 |
| 2261 | The Dynamics of Binary Neutron Star Mergers and GW170817. <i>Annual Review of Nuclear and Particle Science</i> , 2020, 70, 95-119. | 3.5 | 118 |
| 2262 | One-loop effective scalar-tensor gravity. <i>European Physical Journal C</i> , 2020, 80, 1. | 1.4 | 6 |
| 2263 | Analytic insights on the information content of new observables. <i>Physical Review C</i> , 2020, 102, . | 1.1 | 2 |
| 2264 | Probing the post-Minkowskian approximation using recursive addition of self-interactions. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 1 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2265 | r-Process and Kilonovae. , 2020, , . | | 0 |
| 2266 | Mimetic Einstein-Cartan-Sciama-Kibble (ECSK) gravity. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 8 |
| 2267 | Exploring the potentiality of standard sirens to probe cosmic opacity at high redshifts. European Physical Journal C, 2020, 80, 1. | 1.4 | 7 |
| 2268 | Probing Crust Meltdown in Inspiring Binary Neutron Stars. Physical Review Letters, 2020, 125, 201102. | 2.9 | 16 |
| 2269 | Systematic Uncertainty of Standard Sirens from the Viewing Angle of Binary Neutron Star Inspirals. Physical Review Letters, 2020, 125, 201301. | 2.9 | 28 |
| 2270 | Slowly rotating topological neutron stars: universal relations and epicyclic frequencies. European Physical Journal C, 2020, 80, 1. | 1.4 | 4 |
| 2271 | Dark Energy: is it $\hat{=}$ just $\hat{=}$ Einstein's Cosmological Constant $\hat{=}$?. Contemporary Physics, 2020, 61, 132-145. | 0.8 | 3 |
| 2272 | Fast extragalactic x-ray transients from binary neutron star mergers. Physical Review D, 2020, 101, . | 1.6 | 2 |
| 2273 | Single-single gravitational-wave captures in globular clusters: Eccentric deci-Hertz sources observable by DECIGO and Tian-Qin. Physical Review D, 2020, 101, . | 1.6 | 35 |
| 2274 | High-energy neutrino emission subsequent to gravitational wave radiation from supermassive black hole mergers. Physical Review D, 2020, 102, . | 1.6 | 10 |
| 2275 | Stability of relativistic stars with scalar hairs. Physical Review D, 2020, 102, . | 1.6 | 13 |
| 2276 | Extremal black hole scattering at $\mathcal{O}(G^3)$: graviton dominance, eikonal exponentiation, and differential equations. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 92 |
| 2277 | Comparing the luminosity distance for gravitational waves and electromagnetic signals in a simple model of quadratic gravity. General Relativity and Gravitation, 2020, 52, 1. | 0.7 | 7 |
| 2278 | Fuzzballs and observations. General Relativity and Gravitation, 2020, 52, 1. | 0.7 | 36 |
| 2279 | r-mode instability of neutron stars in Low-mass X-ray binaries: effects of Fermi surface depletion and superfluidity of dense matter. Monthly Notices of the Royal Astronomical Society, 2020, , . | 1.6 | 0 |
| 2280 | Revisiting a family of wormholes: geometry, matter, scalar quasinormal modes and echoes. European Physical Journal C, 2020, 80, 1. | 1.4 | 35 |
| 2281 | Neutron star mergers and how to study them. Living Reviews in Relativity, 2020, 23, 1. | 8.2 | 31 |
| 2282 | Phenomenology of the generalized cubic covariant Galileon model and cosmological bounds. Physical Review D, 2020, 101, . | 1.6 | 50 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2283 | Apparent superluminality of lensed gravitational waves. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 19 |
| 2284 | Testing gravity theories with cosmic microwave background in the degenerate higher-order scalar-tensor theory. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 9 |
| 2285 | General relativistic MHD large eddy simulations with gradient subgrid-scale model. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 24 |
| 2286 | Comparison between the Thomas-Fermi and Hartree-Fock-Bogoliubov Methods in the Inner Crust of a Neutron Star: The Role of Pairing Correlations. <i>Universe</i> , 2020, 6, 206. | 0.9 | 11 |
| 2287 | Extremal Cosmological Black Holes in Horndeski Gravity and the Anti-Evaporation Regime. <i>Universe</i> , 2020, 6, 210. | 0.9 | 0 |
| 2288 | Neutron Star Cooling Within the Equation of State With Induced Surface Tension. <i>Particles</i> , 2020, 3, 693-704. | 0.5 | 3 |
| 2289 | Measuring angular N -point correlations of binary black hole merger gravitational-wave events with hierarchical Bayesian inference. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 15 |
| 2290 | Gravitational wave asteroseismology for low-mass neutron stars. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 14 |
| 2291 | Fundamental Thermal Noise Limits for Optical Microcavities. <i>Physical Review X</i> , 2020, 10, . | 2.8 | 19 |
| 2292 | Constraints on Hořava-Lifshitz gravity from GRB 170817A. <i>European Physical Journal C</i> , 2020, 80, 1. | 1.4 | 2 |
| 2294 | Spin-polarized \hat{I}^2 -stable neutron star matter: The nuclear symmetry energy and GW170817 constraint. <i>Physical Review C</i> , 2020, 102, . | 1.1 | 4 |
| 2295 | Estimating the maximum gravitational mass of nonrotating neutron stars from the GW170817/GRB 170817A/AT2017gfo observation. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 30 |
| 2296 | Search for nonlinear memory from subsolar mass compact binary mergers. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 23 |
| 2297 | Dimension dependence of numerical simulations on gravitational waves from protoneutron stars. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 24 |
| 2298 | Study of cubic Galileon gravity using N -body simulations. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 10 |
| 2299 | Quasicircular inspirals and plunges from nonspinning effective-one-body Hamiltonians with gravitational self-force information. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 34 |
| 2300 | Classical gravitational scattering at $\mathcal{O}(G^3)$ from Feynman diagrams. <i>Journal of High Energy Physics</i> , 2020, 2020, 1. | 1.6 | 87 |
| 2301 | Neutron star mergers and rare core-collapse supernovae as sources of r -process enrichment in simulated galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 4867-4883. | 1.6 | 51 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2302 | Magnetohydrodynamic waves excited by a coupling between gravitational waves and a strongly magnetized plasma in binaries of neutron stars. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 0 |
| 2303 | A compact object in the mass gap. <i>Nature Astronomy</i> , 2020, 4, 735-736. | 4.2 | 1 |
| 2304 | Probing modified gravity theories and cosmology using gravitational-waves and associated electromagnetic counterparts. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 41 |
| 2305 | Quarkyonic matter equation of state in beta-equilibrium. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 57 |
| 2306 | Cosmic-Ray Database Update: Ultra-High Energy, Ultra-Heavy, and Antinuclei Cosmic-Ray Data (CRDB) Tj ETQq0 0 0 rgBT /Overlock 10 T | 0.9 | 24 |
| 2307 | Quantifying the impacts of future gravitational-wave data on constraining interacting dark energy. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 038-038. | 1.9 | 20 |
| 2308 | New phenomena with the $f(R)$ -theory of gravitation in a central gravitational field. <i>Journal of Physics: Conference Series</i> , 2020, 1506, 012001. | 0.3 | 0 |
| 2309 | Cooling of hybrid neutron stars with microscopic equations of state. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 344-354. | 1.6 | 9 |
| 2310 | The Physics of Kilonovae. <i>Frontiers in Physics</i> , 2020, 8, . | 1.0 | 5 |
| 2311 | Gravitational Waves in Axion Dark Matter. <i>Universe</i> , 2020, 6, 89. | 0.9 | 10 |
| 2312 | Systematic study on the quark-hadron mixed phase in compact stars. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 18 |
| 2313 | A consistent model of non-singular Schwarzschild black hole in loop quantum gravity and its quasinormal modes. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 066-066. | 1.9 | 50 |
| 2314 | Modelling double neutron stars: radio and gravitational waves. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 1587-1610. | 1.6 | 36 |
| 2315 | Spectral Cauchy-characteristic extraction of the gravitational wave news function. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 13 |
| 2316 | Detweiler's redshift invariant for extended bodies orbiting a Schwarzschild black hole. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 8 |
| 2317 | Noether symmetry analysis for novel gravitational wave-like spacetimes and their conservation laws. <i>Modern Physics Letters A</i> , 2020, 35, 2050234. | 0.5 | 3 |
| 2318 | The r -process Nucleosynthesis and Related Challenges. , 2020, , . | | 0 |
| 2319 | An astrophysically motivated ranking criterion for low-latency electromagnetic follow-up of gravitational wave events. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 1841-1852. | 1.6 | 20 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2320 | Accretion-induced prompt black hole formation in asymmetric neutron star mergers, dynamical ejecta, and kilonova signals. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 1488-1507. | 1.6 | 79 |
| 2321 | Nuclear pasta in hot and dense matter and its influence on the equation of state for astrophysical simulations. <i>Physical Review C</i> , 2020, 102, . | 1.1 | 6 |
| 2322 | Distinguishing double neutron star from neutron star-black hole binary populations with gravitational wave observations. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 16 |
| 2323 | New quasi-universal relations for static and rapid rotating neutron stars. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 11 |
| 2324 | Numerical simulation of sky localization for LISA-TAIJI joint observation. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 31 |
| 2325 | Astrophysics and cosmology with a decihertz gravitational-wave detector: TianGO. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 42 |
| 2326 | Gravitational waves in braneworlds after multi-messenger events. <i>European Physical Journal C</i> , 2020, 80, 1. | 1.4 | 6 |
| 2327 | Constraining properties of neutron star merger outflows with radio observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 2449-2464. | 1.6 | 10 |
| 2328 | Search for multimessenger signals in NOvA coincident with LIGO/Virgo detections. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 7 |
| 2329 | Phase-sensitive optomechanical amplifier for quantum noise reduction in laser interferometers. <i>Physical Review A</i> , 2020, 102, . | 1.0 | 4 |
| 2330 | Search for gravitational waves from five low mass x-ray binaries in the second Advanced LIGO observing run with an improved hidden Markov model. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 18 |
| 2331 | The mass, spin, and rotational energy of the remnant black holes from compact binary mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 643-647. | 1.6 | 4 |
| 2332 | Towards a real-time fully-coherent all-sky search for gravitational waves from compact binary coalescences using particle swarm optimization. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 2 |
| 2333 | Orbit design and thruster requirement for various constant arm space mission concepts for gravitational-wave observation. <i>International Journal of Modern Physics D</i> , 2020, 29, 1940006. | 0.9 | 7 |
| 2334 | Model-independent energy budget of cosmological first-order phase transitionsâ€”A sound argument to go beyond the bag model. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 057-057. | 1.9 | 68 |
| 2335 | AT2018kzr: the merger of an oxygenâ€”neon white dwarf and a neutron star or black hole. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 246-262. | 1.6 | 18 |
| 2336 | Multipolar effective one body waveform model for spin-aligned black hole binaries. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 67 |
| 2337 | Constraining the dense matter equation-of-state with radio pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 3118-3130. | 1.6 | 35 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2338 | Quantum squeezing schemes for heterodyne readout. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 1 |
| 2339 | Detection and parameter estimation of binary neutron star merger remnants. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 23 |
| 2340 | Orbital mechanics and quasiperiodic oscillation resonances of black holes in Einstein-Ätther theory. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 25 |
| 2341 | Equilibrium, radial stability and non-adiabatic gravitational collapse of anisotropic neutron stars. <i>European Physical Journal C</i> , 2020, 80, 1. | 1.4 | 28 |
| 2342 | A Comparison of Short and Long Einsteinian Physics Intervention Programmes in Middle School. <i>Research in Science Education</i> , 2022, 52, 305-324. | 1.4 | 5 |
| 2343 | Second post-Newtonian order radiative dynamics of inspiralling compact binaries in the effective field theory approach. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 24 |
| 2344 | Dark matter relic density from conformally or disformally coupled light scalars. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 11 |
| 2345 | The sensitivity to electron antineutrinos from the binary neutron star systems at medium-baseline reactor neutrino oscillation experiment(s). <i>Journal of High Energy Astrophysics</i> , 2020, 28, 1-9. | 2.4 | 0 |
| 2346 | The impact of fallback on the compact remnants and chemical yields of core-collapse supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 3751-3762. | 1.6 | 45 |
| 2347 | Magnetosphere of an orbiting neutron star. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 20 |
| 2348 | Sub-radian-accuracy gravitational waves from coalescing binary neutron stars in numerical relativity. II. Systematic study on the equation of state, binary mass, and mass ratio. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 31 |
| 2349 | Fourth post-Newtonian effective-one-body Hamiltonians with generic spins. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 16 |
| 2350 | Probing muonic forces with neutron star binaries. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 22 |
| 2351 | Application of dictionary learning to denoise LIGOâ€™s blip noise transients. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 26 |
| 2352 | Lorentz invariance violations in the interplay of quantum gravity with matter. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 27 |
| 2353 | When the entropy has no maximum: A new perspective on the instability of the first-order theories of dissipation. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 37 |
| 2354 | Tidal effects in the gravitational-wave phase evolution of compact binary systems to next-to-next-to-leading post-Newtonian order. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 37 |
| 2355 | Imprints of the redshift evolution of double neutron star merger rate on the signal-to-noise ratio distribution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 523-531. | 1.6 | 2 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2356 | <i>K2</i> : Background Survey – the search for undiscovered transients in <i>Kepler/K2</i> data. Monthly Notices of the Royal Astronomical Society, 2020, 498, 33-43. | 1.6 | 3 |
| 2357 | The KBC void and Hubble tension contradict Λ CDM on a ~ 100 Gpc scale – Milgromian dynamics as a possible solution. Monthly Notices of the Royal Astronomical Society, 2020, 499, 2845-2883. | 1.6 | 62 |
| 2358 | Structured, relativistic jets driven by radiation. Monthly Notices of the Royal Astronomical Society, 2020, 499, 3158-3177. | 1.6 | 13 |
| 2359 | A lower bound on the maximum mass if the secondary in GW190814 was once a rapidly spinning neutron star. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 499, L82-L86. | 1.2 | 110 |
| 2360 | Chirp mass based glitch identification in long-duration gravitational-wave detection. Physical Review D, 2020, 102, . | 1.6 | 2 |
| 2361 | Constraints on scalar–tensor theory of gravity by solar system tests. European Physical Journal C, 2020, 80, 1. | 1.4 | 7 |
| 2362 | Constraining the lensing of binary neutron stars from their stochastic background. Physical Review D, 2020, 102, . | 1.6 | 6 |
| 2363 | On extended thermodynamics: From classical to the relativistic regime. International Journal of Modern Physics D, 2020, 29, 2030010. | 0.9 | 8 |
| 2364 | Merger-inspired rotation laws and the low- T/W instability in neutron stars. Monthly Notices of the Royal Astronomical Society, 2020, 498, 5904-5915. | 1.6 | 11 |
| 2365 | What does strong gravitational lensing? The mass and redshift distribution of high-magnification lenses. Monthly Notices of the Royal Astronomical Society, 2020, 495, 3727-3739. | 1.6 | 42 |
| 2366 | Implications of the search for optical counterparts during the second part of the Advanced LIGO™s and Advanced Virgo™s third observing run: lessons learned for future follow-up observations. Monthly Notices of the Royal Astronomical Society, 2020, 497, 1181-1196. | 1.6 | 39 |
| 2367 | Avoided crossing in gravitational wave spectra from protoneutron star. Monthly Notices of the Royal Astronomical Society, 2020, 498, 3503-3512. | 1.6 | 17 |
| 2368 | Impact of the neutron-star deformability on equation of state parameters. Physical Review C, 2020, 102, . | 1.1 | 18 |
| 2369 | Parametrized equation of state for neutron star matter with continuous sound speed. Physical Review D, 2020, 102, . | 1.6 | 35 |
| 2370 | Weak field limit and gravitational waves in $f(T, \hat{A}B)$ teleparallel gravity. European Physical Journal C, 2020, 80, 1. | 1.4 | 67 |
| 2371 | Prospects of probing dark energy with eLISA: Standard versus null diagnostics. Monthly Notices of the Royal Astronomical Society, 2020, 500, 2896-2907. | 1.6 | 4 |
| 2372 | Reexamining the relation between the binding energy of finite nuclei and the equation of state of infinite nuclear matter. Physical Review C, 2020, 102, . | 1.1 | 16 |
| 2373 | Gradient subgrid-scale model for relativistic MHD large-eddy simulations. Physical Review D, 2020, 101, . | 1.6 | 24 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2374 | Quasinormal modes of the generalized Ay ³ n-Beato-García black hole in scalar-tensor-vector gravity. Physical Review D, 2020, 102, . | 1.6 | 7 |
| 2375 | Gravitational radiation by magnetic field: application to millisecond magnetars. Monthly Notices of the Royal Astronomical Society, 2020, 498, 110-127. | 1.6 | 1 |
| 2376 | Equation of State Constraints from the Threshold Binary Mass for Prompt Collapse of Neutron Star Mergers. Physical Review Letters, 2020, 125, 141103. | 2.9 | 80 |
| 2377 | Higher order spectra of weak lensing convergence maps in parametrized theories of modified gravity. Monthly Notices of the Royal Astronomical Society, 2020, 498, 5299-5316. | 1.6 | 4 |
| 2378 | Self-gravitating perfect-fluid tori around black holes: Bifurcations, ergoregions, and geometrical properties. Physical Review D, 2020, 101, . | 1.6 | 5 |
| 2379 | A three-dimensional laser interferometer gravitational-wave detector. Scientific Reports, 2020, 10, 16285. | 1.6 | 3 |
| 2380 | Multiple configurations of neutron stars containing quark matter *. Chinese Physics C, 2020, 44, 094104. | 1.5 | 0 |
| 2381 | Tidal Love numbers of braneworld black holes and wormholes. Physical Review D, 2020, 102, . | 1.6 | 7 |
| 2382 | Positivity bounds on reconstructed Horndeski models. Physical Review D, 2020, 102, . | 1.6 | 7 |
| 2383 | Modified BTZ black hole and some thermodynamical properties in dilaton/scalar gravity model. European Physical Journal Plus, 2020, 135, 1. | 1.2 | 8 |
| 2384 | GW190521: A Binary Black Hole Merger with a Total Mass of $150 M_{\odot}$. Physical Review Letters, 2020, 125, 101102. | 2.9 | 15 |
| 2385 | Accessing the Single-Particle Structure of the Pygmy Dipole Resonance in Pb208. Physical Review Letters, 2020, 125, 102503. | 2.9 | 15 |
| 2386 | Cross-correlation of the astrophysical gravitational-wave background with galaxy clustering. Physical Review D, 2020, 102, . | 1.6 | 30 |
| 2387 | A Bayesian Analysis on Neutron Stars within Relativistic Mean Field Models. Particles, 2020, 3, 621-629. | 0.5 | 4 |
| 2388 | Nuclear Pairing Gaps and Neutron Star Cooling. Universe, 2020, 6, 115. | 0.9 | 5 |
| 2389 | Long-Range Quantum Gravity. Symmetry, 2020, 12, 1396. | 1.1 | 14 |
| 2390 | Quark Stars in Massive Brans-Dicke Gravity with Tolman-Kuchowicz Spacetime. Universe, 2020, 6, 124. | 0.9 | 27 |
| 2391 | Optical follow-up of gravitational wave triggers with DECam during the first two LIGO/VIRGO observing runs. Astronomy and Computing, 2020, 33, 100425. | 0.8 | 9 |

| # | ARTICLE | IF | CITATIONS |
|------|---|------|-----------|
| 2392 | Radioactive-Ion Beams for the Fission Study of Heavy Neutron-Rich Nuclei. Physics of Atomic Nuclei, 2020, 83, 497-502. | 0.1 | 0 |
| 2393 | The future is now. Nature Reviews Physics, 2020, 2, 452-454. | 11.9 | 0 |
| 2394 | Simultaneous Determination of Neutron-Induced Fission and Radiative Capture Cross Sections from Decay Probabilities Obtained with a Surrogate Reaction. Physical Review Letters, 2020, 125, 122502. | 2.9 | 16 |
| 2395 | Computational techniques for parameter estimation of gravitational wave signals. Wiley Interdisciplinary Reviews: Computational Statistics, 2020, , e1532. | 2.1 | 3 |
| 2396 | Mechanical conversion of the gravitational Einsteinâ€™s constant κ . Pramana - Journal of Physics, 2020, 94, 1. | 0.9 | 1 |
| 2397 | What can neutron stars reveal about the equation of state of dense matter?. EPJ Web of Conferences, 2020, 235, 07002. | 0.1 | 0 |
| 2398 | Black hole spectroscopy for KAGRA future prospect in O5. Physical Review D, 2020, 102, . | 1.6 | 7 |
| 2399 | Warm dense matter and cooling of supernovae remnants. European Physical Journal C, 2020, 80, 1. | 1.4 | 12 |
| 2400 | Tidal Love numbers of Proca stars. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 029-029. | 1.9 | 13 |
| 2401 | An accurate perturbative approach to redshift space clustering of biased tracers in modified gravity. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 055-055. | 1.9 | 20 |
| 2402 | Reducing the H_0 tension with generalized Proca theory. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 038-038. | 1.9 | 26 |
| 2403 | Distinguishing primordial black holes from astrophysical black holes by Einstein Telescope and Cosmic Explorer. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 039-039. | 1.9 | 71 |
| 2404 | GW190412: Observation of a binary-black-hole coalescence with asymmetric masses. Physical Review D, 2020, 102, . | 1.6 | 394 |
| 2405 | Binary Neutron Star Merger Simulations with a Calibrated Turbulence Model. Symmetry, 2020, 12, 1249. | 1.1 | 39 |
| 2406 | Spinning Test Particle in Four-Dimensional Einsteinâ€™Gaussâ€™Bonnet Black Holes. Universe, 2020, 6, 103. | 0.9 | 54 |
| 2407 | Dark Matters on the Scale of Galaxies. Universe, 2020, 6, 107. | 0.9 | 62 |
| 2408 | The QCD axion at finite density. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 18 |
| 2409 | Constraining the ellipticity of millisecond pulsars with observed spin-down rates. Physical Review D, 2020, 102, . | 1.6 | 7 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2410 | Axisymmetric deformations of neutron stars and gravitational-wave astronomy. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 9 |
| 2411 | Minimally modified gravity fitting Planck data better than Λ CDM. <i>European Physical Journal C</i> , 2020, 80, 1. | 1.4 | 24 |
| 2412 | LOFAR 144-MHz follow-up observations of GW170817. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 5110-5117. | 1.6 | 6 |
| 2413 | Horndeski gravity and standard sirens. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 26 |
| 2414 | Neutron star equations of state and their applications. <i>International Journal of Modern Physics E</i> , 2020, 29, 2030007. | 0.4 | 2 |
| 2415 | Gravitational waves and mass ejecta from binary neutron star mergers: Effect of the spin orientation. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 12 |
| 2416 | Detection and classification of supernova gravitational wave signals: A deep learning approach. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 35 |
| 2417 | Motion of spinning particles in non asymptotically flat spacetimes. <i>European Physical Journal C</i> , 2020, 80, 1. | 1.4 | 11 |
| 2418 | <i>Planck</i> 2018 results. <i>Astronomy and Astrophysics</i> , 2020, 641, A6. | 2.1 | 6,722 |
| 2419 | Spherically symmetric static black holes in Einstein-aether theory. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 14 |
| 2420 | The Equation of State of Nuclear Matter: From Finite Nuclei to Neutron Stars. <i>Universe</i> , 2020, 6, 119. | 0.9 | 22 |
| 2421 | Neutron star as a mirror for gravitational waves. <i>Astrophysics and Space Science</i> , 2020, 365, 1. | 0.5 | 1 |
| 2422 | Inverse reconstruction of jet structure from off-axis gamma-ray burst afterglows. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 1217-1235. | 1.6 | 27 |
| 2423 | Gravitational waves from SGRs and AXPs as fast-spinning white dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 4426-4432. | 1.6 | 8 |
| 2424 | Maximum mass cutoff in the neutron star mass distribution and the prospect of forming supramassive objects in the double neutron star mergers. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 25 |
| 2425 | The fates of massive stars: exploring uncertainties in stellar evolution with metisse. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 4549-4564. | 1.6 | 26 |
| 2426 | The origin of the elements: a century of progress. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20190301. | 1.6 | 5 |
| 2427 | Parameter estimation for tests of general relativity with the astrophysical stochastic gravitational wave background. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 8 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2428 | Gravitational waveforms of binary neutron star inspirals using post-Newtonian tidal splicing. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 7 |
| 2429 | Beyond the Standard Models with cosmic strings. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 032-032. | 1.9 | 80 |
| 2430 | Electrically charged strange stars with an interacting quark matter equation of state. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 16 |
| 2431 | Multipolar effective-one-body waveforms for precessing binary black holes: Construction and validation. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 182 |
| 2432 | Delta baryons and diquark formation in the cores of neutron stars. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 31 |
| 2433 | Prospects for fundamental physics with LISA. <i>General Relativity and Gravitation</i> , 2020, 52, 1. | 0.7 | 198 |
| 2434 | Triaxially deformed freely precessing neutron stars: continuous electromagnetic and gravitational radiation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 1826-1838. | 1.6 | 16 |
| 2435 | Protomagnetar research through an analysis of the X-ray plateau in the multi-messenger era. <i>Astronomy and Astrophysics</i> , 2020, 641, A56. | 2.1 | 7 |
| 2436 | Confronting GW190814 with hyperonization in dense matter and hypernuclear compact stars. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 56 |
| 2437 | Numerical relativity injection analysis of signals from generically spinning intermediate mass black hole binaries in Advanced LIGO data. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 15 |
| 2438 | Viewing Short Gamma-Ray Bursts From a Different Angle. <i>Frontiers in Astronomy and Space Sciences</i> , 2020, 7, . | 1.1 | 3 |
| 2439 | Compact Stars with Strange Interactions in a Modified Quark Meson Coupling Model (MQMC). , 2020, , . | | 0 |
| 2440 | Excluded-volume model for quarkyonic matter: Three-flavor baryon-quark mixture. <i>Physical Review C</i> , 2020, 102, . | 1.1 | 26 |
| 2441 | Observing cosmological binary mergers with next generation neutrino and gravitational wave detectors. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 9 |
| 2442 | Measuring the Hubble constant with a sample of kilonovae. <i>Nature Communications</i> , 2020, 11, 4129. | 5.8 | 35 |
| 2443 | Deep-learning continuous gravitational waves: Multiple detectors and realistic noise. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 30 |
| 2444 | Multimessenger constraints on the neutron-star equation of state and the Hubble constant. <i>Science</i> , 2020, 370, 1450-1453. | 6.0 | 239 |
| 2445 | Solar System tests in Brans-Dicke and Palatini R^2 -theories. <i>European Physical Journal Plus</i> , 2020, 135, 1. | 1.2 | 5 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2446 | Constraint on Hybrid Stars with Gravitational Wave Events. <i>Universe</i> , 2020, 6, 231. | 0.9 | 9 |
| 2447 | Covariant density functional theory input for r -process simulations in actinides and superheavy nuclei: The ground state and fission properties. <i>Physical Review C</i> , 2020, 102, . | 1.1 | 21 |
| 2448 | Strong-coupling effects of pairing fluctuations, and Anderson-Bogoliubov mode in neutron S01 superfluids in neutron stars. <i>Physical Review C</i> , 2020, 102, . | 1.1 | 3 |
| 2449 | Relativistic radiation hydrodynamics in a reference-metric formulation. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 2 |
| 2450 | Magnetic ergostars, jet formation, and gamma-ray bursts: Ergoregions versus horizons. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 3 |
| 2451 | Reissner-Nordström perturbation framework with gravitational wave applications. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 4 |
| 2452 | Excluded-volume model for quarkyonic matter. II. Three-flavor shell-like distribution of baryons in phase space. <i>Physical Review C</i> , 2020, 102, . | 1.1 | 22 |
| 2453 | Inferring the maximum and minimum mass of merging neutron stars with gravitational waves. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 21 |
| 2454 | Turbulent magnetic-field amplification in the first 10 milliseconds after a binary neutron star merger: Comparing high-resolution and large-eddy simulations. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 28 |
| 2455 | Increasing the accuracy of binary neutron star simulations with an improved vacuum treatment. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 9 |
| 2456 | Rapid parameter estimation of gravitational waves from binary neutron star coalescence using focused reduced order quadrature. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 34 |
| 2457 | A Brief Review of Chiral Chemical Potential and Its Physical Effects. <i>Symmetry</i> , 2020, 12, 2095. | 1.1 | 6 |
| 2458 | A preliminary forecast for cosmological parameter estimation with gravitational-wave standard sirens from TianQin. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 012-012. | 1.9 | 24 |
| 2459 | Effect of the crust on neutron star empirical relations. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 8 |
| 2460 | Radiative stability and observational constraints on dark energy and modified gravity. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 8 |
| 2461 | Dynamical bar-mode instability in spinning bosonic stars. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 35 |
| 2462 | Temperature Control for an Intra-Mirror Etalon in Interferometric Gravitational Wave Detector Fabry-Pérot Cavities. <i>Galaxies</i> , 2020, 8, 80. | 1.1 | 3 |
| 2463 | Development of a Frequency Tunable Green Laser Source for Advanced Virgo+ Gravitational Waves Detector. <i>Galaxies</i> , 2020, 8, 87. | 1.1 | 3 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2464 | A Conceptual Model for the Origin of the Cutoff Parameter in Exotic Compact Objects. <i>Symmetry</i> , 2020, 12, 2072. | 1.1 | 1 |
| 2465 | Fundamental Symmetries and Spacetime Geometries in Gauge Theories of Gravity—Prospects for Unified Field Theories. <i>Universe</i> , 2020, 6, 238. | 0.9 | 23 |
| 2466 | The gravitational wave damping timescales of f-modes in neutron stars. <i>Journal of Physics: Conference Series</i> , 2020, 1667, 012026. | 0.3 | 2 |
| 2467 | Exploring the astrophysical conditions for the creation of the first r-process peak. <i>Journal of Physics: Conference Series</i> , 2020, 1667, 012030. | 0.3 | 0 |
| 2468 | Characterizing r-Process Sites through Actinide Production. <i>Journal of Physics: Conference Series</i> , 2020, 1668, 012020. | 0.3 | 2 |
| 2469 | Spallation of r-Process Nuclei Ejected from a Neutron Star Merger. <i>Journal of Physics: Conference Series</i> , 2020, 1668, 012049. | 0.3 | 0 |
| 2470 | Strong-field effects in massive scalar-tensor gravity for slowly spinning neutron stars and application to x-ray pulsar pulse profiles. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 20 |
| 2471 | Analytic post-Newtonian expansion of the energy and angular momentum radiated to infinity by eccentric-orbit nonspinning extreme-mass-ratio inspirals to the 19th order. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 15 |
| 2472 | Effect of torsion on the radiation fields in curved spacetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 810, 135778. | 1.5 | 0 |
| 2473 | Testing the equivalence principle and discreteness of spacetime through the t3 gravitational phase with quantum information technology. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 810, 135792. | 1.5 | 2 |
| 2474 | Boson and neutron stars with increased density. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 811, 135906. | 1.5 | 4 |
| 2475 | Omicron: A tool to characterize transient noise in gravitational-wave detectors. <i>SoftwareX</i> , 2020, 12, 100620. | 1.2 | 46 |
| 2476 | Generalized 2-Microlocal Frontier Prescription. <i>Journal of Fourier Analysis and Applications</i> , 2020, 26, 1. | 0.5 | 0 |
| 2477 | GRB luminosity function synthesized from Swift/BAT, Fermi/GBM and Konus-Wind data. <i>Astrophysics and Space Science</i> , 2020, 365, 1. | 0.5 | 1 |
| 2478 | Neutron star merger remnants. <i>General Relativity and Gravitation</i> , 2020, 52, 1. | 0.7 | 80 |
| 2479 | Recent development of hydrodynamic modeling in heavy-ion collisions. <i>Nuclear Science and Techniques/Hewuli</i> , 2020, 31, 1. | 1.3 | 85 |
| 2480 | SWIGLAL: Python and Octave interfaces to the LALSuite gravitational-wave data analysis libraries. <i>SoftwareX</i> , 2020, 12, 100634. | 1.2 | 21 |
| 2481 | Unveiling the correlations of tidal deformability with the nuclear symmetry energy parameters. <i>Physical Review C</i> , 2020, 102, . | 1.1 | 17 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2482 | Speed of sound constraints from tidal deformability of neutron stars. <i>Physical Review C</i> , 2020, 102, . | 1.1 | 38 |
| 2483 | Direct astrophysical tests of chiral effective field theory at supranuclear densities. <i>Physical Review C</i> , 2020, 102, . | 1.1 | 73 |
| 2484 | Eclipses of continuous gravitational waves as a probe of stellar structure. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 7 |
| 2485 | Gravitomagnetic resonance in the field of a gravitational wave. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 18 |
| 2486 | Total energy in supernova neutrinos and the tidal deformability and binding energy of neutron stars. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 9 |
| 2487 | Identification of gamma-ray burst precursors in Fermi-GBM bursts. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 20 |
| 2488 | Fast neutrino flavor conversion, ejecta properties, and nucleosynthesis in newly-formed hypermassive remnants of neutron-star mergers. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 57 |
| 2489 | Source properties of the lowest signal-to-noise-ratio binary black hole detections. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 18 |
| 2490 | Gravitational waves from primordial magnetic fields via photon-graviton conversion. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 21 |
| 2491 | Enhancing the sensitivity of transient gravitational wave searches with Gaussian mixture models. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 6 |
| 2492 | Constraints on the deformation scale of a geometry in the cotangent bundle. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 13 |
| 2493 | Generalized SU(2) Proca theory reconstructed and beyond. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 16 |
| 2494 | Constraining black hole mimickers with gravitational wave observations. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 27 |
| 2495 | POEMMA's target-of-opportunity sensitivity to cosmic neutrino transient sources. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 24 |
| 2496 | Reconstructing k -essence: Unifying the attractor and the swampland criteria. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 8 |
| 2497 | Exploring nonsingular black holes in gravitational perturbations. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 14 |
| 2498 | Next-to-leading order spin-orbit effects in the equations of motion, energy loss, and phase evolution of binaries of compact bodies in the effective field theory approach. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 11 |
| 2499 | Conservative tidal effects in compact binary systems to next-to-leading post-Minkowskian order. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 76 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2500 | Tidal Effects in the Post-Minkowskian Expansion. <i>Physical Review Letters</i> , 2020, 125, 191601. | 2.9 | 79 |
| 2501 | Measuring the Primordial Gravitational-Wave Background in the Presence of Astrophysical Foregrounds. <i>Physical Review Letters</i> , 2020, 125, 241101. | 2.9 | 38 |
| 2502 | Transport in Strongly Coupled Quark Matter. <i>Physical Review Letters</i> , 2020, 125, 241601. | 2.9 | 18 |
| 2503 | Re-visiting gravitational wave events via pulsars. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 811, 135887. | 1.5 | 0 |
| 2504 | Trajectory in 2D plot of isoscalar and isovector densities of ^{48}Ca and ^{208}Pb , and symmetry energy. <i>Physical Review C</i> , 2020, 102, . | 1.1 | 2 |
| 2505 | Fredholm approach to characterize gravitational wave echoes. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 2 |
| 2506 | Analysis and visualization of the output mode-matching requirements for squeezing in Advanced LIGO and future gravitational wave detectors. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 8 |
| 2507 | Consistency relations for large-scale structure in modified gravity and the matter bispectrum. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 15 |
| 2508 | Prospects for improving the sensitivity of the cryogenic gravitational wave detector KAGRA. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 12 |
| 2509 | Cosmological evolution of viable models in the generalized scalar-tensor theory. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 9 |
| 2510 | Searching for modified gravity in the astrophysical gravitational wave background: Application to ground-based interferometers. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 11 |
| 2511 | Average nonlinear dynamics of particles in gravitational pulses: Effective Hamiltonian, secular acceleration, and gravitational susceptibility. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 5 |
| 2512 | Gravitational-wave inference in the catalog era: Evolving priors and marginal events. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 21 |
| 2513 | Gauge transformation of scalar induced gravitational waves. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 19 |
| 2514 | Probing noncommutative gravity with gravitational wave and binary pulsar observations. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 8 |
| 2515 | Cosmic acceleration and growth of structure in massive gravity. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 12 |
| 2516 | Anisotropic neutron stars with hyperons: implication of the recent nuclear matter data and observations of neutron stars. <i>European Physical Journal C</i> , 2020, 80, 1. | 1.4 | 39 |
| 2517 | Short Duration Gamma-Ray Bursts and Their Outflows in Light of GW170817. <i>Frontiers in Astronomy and Space Sciences</i> , 2020, 7, . | 1.1 | 6 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2518 | Black holes in the low-mass gap: Implications for gravitational-wave observations. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 34 |
| 2519 | A nonparametric method to evaluate significance of events in search for gravitational waves with false discovery rate. <i>Journal of Physics: Conference Series</i> , 2020, 1468, 012222. | 0.3 | 0 |
| 2520 | The exact solutions in verified cosmological models based on generalized scalar-tensor gravity. <i>Journal of Physics: Conference Series</i> , 2020, 1557, 012020. | 0.3 | 6 |
| 2521 | Status of the MPD Experiment at JINR. <i>Journal of Physics: Conference Series</i> , 2020, 1602, 012021. | 0.3 | 14 |
| 2522 | Indirect, experimental constraints of $(n, \hat{1}^3)$ reaction rates for the i- and r-process. <i>Journal of Physics: Conference Series</i> , 2020, 1668, 012024. | 0.3 | 0 |
| 2523 | How accurately can the Extended Thomas-Fermi method describe the inner crust of a neutron star?. <i>Journal of Physics: Conference Series</i> , 2020, 1668, 012037. | 0.3 | 4 |
| 2524 | r-Process Sites, their Ejecta Composition, and their Imprint in Galactic Chemical Evolution. <i>Journal of Physics: Conference Series</i> , 2020, 1668, 012044. | 0.3 | 12 |
| 2525 | Non-equilibrium neutron stars. <i>International Journal of Modern Physics A</i> , 2020, 35, 2040049. | 0.5 | 0 |
| 2526 | Locating ergostar models in parameter space. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 4 |
| 2527 | Hybrid equation of state approach in binary neutron-star merger simulations. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 29 |
| 2529 | Detecting dark matter around black holes with gravitational waves: Effects of dark-matter dynamics on the gravitational waveform. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 63 |
| 2530 | Rank-3 moment closures in general relativistic neutrino transport. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 14 |
| 2531 | Quark matter in light neutron stars. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 18 |
| 2532 | Constraining the spacetime spin using time delay in stationary axisymmetric spacetimes. <i>European Physical Journal C</i> , 2020, 80, 1. | 1.4 | 9 |
| 2533 | Note on scalar“graviton and scalar“photon“graviton amplitudes. <i>European Physical Journal C</i> , 2020, 80, 1. | 1.4 | 3 |
| 2534 | Symmetric Nuclear Matter from the Strong Interaction. <i>Physical Review Letters</i> , 2020, 125, 142502. | 2.9 | 56 |
| 2535 | Improved neutrino-nucleon interactions in dense and hot matter for numerical simulations. <i>Physical Review C</i> , 2020, 102, . | 1.1 | 11 |
| 2536 | Suppressed cosmic growth in coupled vector-tensor theories. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 14 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2555 | Sensitivity and performance of the Advanced LIGO detectors in the third observing run. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 196 |
| 2556 | Chiral theory of nucleons and pions in the presence of an external gravitational field. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 20 |
| 2557 | Quantum nucleation of up-down quark matter and astrophysical implications. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 14 |
| 2558 | Robust machine learning algorithm to search for continuous gravitational waves. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 17 |
| 2559 | Universal infrared scaling of gravitational wave background spectra. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 79 |
| 2560 | Tidal deformability and gravitational-wave phase evolution of magnetized compact-star binaries. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 9 |
| 2561 | Gravitational-Wave Astronomy Still in Its Infancy. <i>Physics Magazine</i> , 2020, 13, . | 0.1 | 0 |
| 2562 | Strong lensing time delay constraints on dark energy: a forecast. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 057-057. | 1.9 | 7 |
| 2563 | Continuous gravitational waves and magnetic monopole signatures from single neutron stars. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 6 |
| 2564 | Surrogate model for gravitational wave signals from comparable and large-mass-ratio black hole binaries. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 57 |
| 2565 | Estimates for disk and ejecta masses produced in compact binary mergers. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 88 |
| 2566 | Parameter estimation with a spinning multimode waveform model. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 33 |
| 2567 | Role of vector channel in different classes of (non) magnetized neutron stars. <i>European Physical Journal A</i> , 2020, 56, 1. | 1.0 | 17 |
| 2568 | Luminosityâ€‘duration relations and luminosity functions of repeating and non-repeating fast radio bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 2886-2904. | 1.6 | 26 |
| 2569 | Ranking candidate signals with machine learning in low-latency searches for gravitational waves from compact binary mergers. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 11 |
| 2570 | Gravitational Waves from Coalescing Binaries. <i>Synthesis Lectures on Wave Phenomena in the Physical Sciences</i> , 2020, 2, 1-115. | 0.0 | 0 |
| 2571 | Numerical relativity in spherical coordinates: A new dynamical spacetime and general relativistic MHD evolution framework for the Einstein Toolkit. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 19 |
| 2572 | Probing cosmological fields with gravitational wave oscillations. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 027-027. | 1.9 | 17 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2573 | Magnetar as Central Engine of Gamma-Ray Bursts: Quasi-universal Jet, Event Rate, and X-Ray Luminosity Function of Dipole Radiations. <i>Astrophysical Journal</i> , 2020, 894, 52. | 1.6 | 2 |
| 2574 | The impact of peculiar velocities on the estimation of the Hubble constant from gravitational wave standard sirens. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 90-97. | 1.6 | 40 |
| 2575 | Cosmological constraints on dark energy in light of gravitational wave bounds. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 35 |
| 2576 | Common-envelope Dynamics of a Stellar-mass Black Hole: General Relativistic Simulations. <i>Astrophysical Journal</i> , 2020, 894, 147. | 1.6 | 21 |
| 2577 | GW170817A as a Hierarchical Black Hole Merger. <i>Astrophysical Journal Letters</i> , 2020, 890, L20. | 3.0 | 36 |
| 2578 | Collimated outflows from long-lived binary neutron star merger remnants. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 495, L66-L70. | 1.2 | 55 |
| 2579 | Massive neutron stars with a color superconducting quark matter core. <i>Physical Review C</i> , 2020, 101, . | 1.1 | 9 |
| 2580 | Gaussian processes reconstruction of modified gravitational wave propagation. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 37 |
| 2581 | Distinguishing high-mass binary neutron stars from binary black holes with second- and third-generation gravitational wave observatories. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 27 |
| 2582 | Tidal deformations of neutron stars with elastic crusts. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 27 |
| 2583 | General relativistic Poynting-Robertson effect to diagnose wormholes existence: Static and spherically symmetric case. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 45 |
| 2584 | Distinguishing Binary Neutron Star from Neutron Star+Black Hole Mergers with Gravitational Waves. <i>Astrophysical Journal Letters</i> , 2020, 893, L41. | 3.0 | 15 |
| 2585 | Unveiling the Galileon in a three-body system: scalar and gravitational wave production. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 012-012. | 1.9 | 7 |
| 2586 | Sandblasting the r-process: Spallation of Ejecta from Neutron Star Mergers. <i>Astrophysical Journal</i> , 2020, 893, 92. | 1.6 | 8 |
| 2587 | Twin Stars and the Stiffness of the Nuclear Equation of State: Ruling Out Strong Phase Transitions below $1.7 n_{0}$ with the New NICER Radius Measurements. <i>Astrophysical Journal Letters</i> , 2020, 894, L8. | 3.0 | 46 |
| 2588 | Full analytical approximation to the stochastic gravitational wave background generated by cosmic string networks. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 27 |
| 2589 | On Using Inspiring Supermassive Binary Black Holes in the PTA Frequency Band as Standard Sirens to Constrain Dark Energy. <i>Astrophysical Journal</i> , 2020, 889, 79. | 1.6 | 10 |
| 2590 | Gravitational waves with orbital angular momentum. <i>European Physical Journal C</i> , 2020, 80, 1. | 1.4 | 6 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2627 | Evolution of close binary stars: theory and observations. <i>Physics-Uspexhi</i> , 2020, 63, 209-244. | 0.8 | 14 |
| 2628 | On the Energetics of a Possible Relativistic Jet Associated with the Binary Neutron Star Merger Candidate S190425z. <i>Astrophysical Journal</i> , 2020, 891, 130. | 1.6 | 4 |
| 2629 | Optimal gravitational-wave follow-up tiling strategies using a genetic algorithm. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 1 |
| 2630 | Constructing Love-Q relations with gravitational wave detections. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 6 |
| 2631 | Scalarization of asymptotically anti-de Sitter black holes with applications to holographic phase transitions. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 22 |
| 2632 | Effects of dark matter on the nuclear and neutron star matter. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 4893-4903. | 1.6 | 57 |
| 2633 | Stability and gravitational collapse of neutron stars with realistic equations of state. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 5027-5039. | 1.6 | 17 |
| 2634 | Full analytical formulas for frequency response of space-based gravitational wave detectors. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 14 |
| 2635 | Explosions Driven by the Coalescence of a Compact Object with the Core of a Massive-star Companion inside a Common Envelope: Circumstellar Properties, Light Curves, and Population Statistics. <i>Astrophysical Journal</i> , 2020, 892, 13. | 1.6 | 57 |
| 2636 | High accuracy on $\langle H \rangle$ constraints from gravitational wave lensing events. <i>Physics of the Dark Universe</i> , 2020, 28, 100517. | 1.8 | 6 |
| 2637 | Dipolar tidal effects in scalar-tensor theories. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 26 |
| 2638 | Search for Eccentric Binary Neutron Star Mergers in the First and Second Observing Runs of Advanced LIGO. <i>Astrophysical Journal</i> , 2020, 890, 1. | 1.6 | 43 |
| 2639 | Pulsar Timing Array Constraints on Primordial Black Holes with NANOGrav 11-Year Dataset. <i>Physical Review Letters</i> , 2020, 124, 251101. | 2.9 | 97 |
| 2640 | Scale-invariant dynamics in the Solar system. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 497, L62-L66. | 1.2 | 2 |
| 2641 | Anisotropy screening in Horndeski cosmologies. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 24 |
| 2642 | A Search for Neutron Star-Black Hole Binary Mergers in the Short Gamma-Ray Burst Population. <i>Astrophysical Journal</i> , 2020, 895, 58. | 1.6 | 48 |
| 2643 | GW190814: Gravitational Waves from the Coalescence of a 23 Solar Mass Black Hole with a 2.6 Solar Mass Compact Object. <i>Astrophysical Journal Letters</i> , 2020, 896, L44. | 3.0 | 1,090 |
| 2644 | Taiji program: Gravitational-wave sources. <i>International Journal of Modern Physics A</i> , 2020, 35, 2050075. | 0.5 | 281 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2645 | Stochastic gravitational wave background from global cosmic strings. <i>Physics of the Dark Universe</i> , 2020, 29, 100604. | 1.8 | 43 |
| 2646 | Charged neutron stars and observational tests of a dark force weaker than gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 007-007. | 1.9 | 9 |
| 2647 | Kilonova rates from spherical and axisymmetrical models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 4343-4348. | 1.6 | 2 |
| 2648 | Nonparametric constraints on neutron star matter with existing and upcoming gravitational wave and pulsar observations. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 188 |
| 2649 | Neutron star equation of state and tidal deformability with nuclear energy density functionals. <i>European Physical Journal A</i> , 2020, 56, 1. | 1.0 | 3 |
| 2650 | The Low Effective Spin of Binary Black Holes and Implications for Individual Gravitational-wave Events. <i>Astrophysical Journal</i> , 2020, 895, 128. | 1.6 | 68 |
| 2651 | Quasinormal modes of black holes in Weyl gravity: electromagnetic and gravitational perturbations. <i>European Physical Journal C</i> , 2020, 80, 1. | 1.4 | 13 |
| 2652 | Lifetime of short-period binaries measured from their Galactic kinematics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 2271-2286. | 1.6 | 20 |
| 2653 | On the FRB luminosity function $\hat{\epsilon}^{\alpha}$ $\hat{\epsilon}^{\alpha}$ II. Event rate density. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 665-679. | 1.6 | 81 |
| 2654 | Spritz: a new fully general-relativistic magnetohydrodynamic code. <i>Classical and Quantum Gravity</i> , 2020, 37, 135010. | 1.5 | 14 |
| 2655 | Cooling of dark-matter admixed neutron stars with density-dependent equation of state. <i>European Physical Journal C</i> , 2020, 80, 1. | 1.4 | 26 |
| 2656 | Does gravitational radiation impact the stellar habitable zone?. <i>International Journal of Modern Physics D</i> , 2020, 29, 2041017. | 0.9 | 0 |
| 2657 | Accelerating strangelets via Penrose process in non-BPS fuzz-balls. <i>Nuclear Physics B</i> , 2020, 954, 115010. | 0.9 | 10 |
| 2658 | snapshot: connections between internal and surface properties of massive stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 4659-4680. | 1.6 | 13 |
| 2659 | Effects of short-range nuclear correlations on the deformability of neutron stars. <i>Physical Review C</i> , 2020, 101, . | 1.1 | 23 |
| 2660 | Empirical relations for gravitational-wave asteroseismology of binary neutron star mergers. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 41 |
| 2661 | Science with the TianQin observatory: Preliminary results on stellar-mass binary black holes. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 46 |
| 2662 | Excitation of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -modes during mergers of spinning binary neutron star. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 21 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2663 | Signatures of Strangeness in Neutron Star Merger Remnants. <i>Astrophysical Journal</i> , 2020, 896, 109. | 1.6 | 5 |
| 2664 | The key role of magnetic fields in binary neutron star mergers. <i>General Relativity and Gravitation</i> , 2020, 52, 1. | 0.7 | 48 |
| 2665 | Lensed or not lensed: determining lensing magnifications for binary neutron star mergers from a single detection. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 3740-3750. | 1.6 | 26 |
| 2666 | A comparison between short GRB afterglows and kilonova AT2017gfo: shedding light on kilonovae properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 3379-3397. | 1.6 | 52 |
| 2667 | Dynamic scheduling: target of opportunity observations of gravitational wave events. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 4366-4371. | 1.6 | 11 |
| 2668 | Effect of superfluid matter of a neutron star on the tidal deformability. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 8 |
| 2669 | How would a nearby kilonova look on camera?. <i>American Journal of Physics</i> , 2020, 88, 568-572. | 0.3 | 0 |
| 2670 | On the opening angle of magnetized jets from neutron-star mergers: the case of GRB170817A. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 3780-3787. | 1.6 | 29 |
| 2671 | Propagation of gravitational waves in a cosmological background. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 37 |
| 2672 | Systematic opacity calculations for kilonovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 1369-1392. | 1.6 | 144 |
| 2673 | Collaboration in Giftedness and Talent Development Research. <i>Journal for the Education of the Gifted</i> , 2020, 43, 91-107. | 0.5 | 3 |
| 2674 | An improved test of the strong equivalence principle with the pulsar in a triple star system. <i>Astronomy and Astrophysics</i> , 2020, 638, A24. | 2.1 | 44 |
| 2675 | Gravitational waves from holographic neutron star mergers. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 31 |
| 2676 | Some optimizations on detecting gravitational wave using convolutional neural network. <i>Frontiers of Physics</i> , 2020, 15, 1. | 2.4 | 21 |
| 2677 | One star, two stars, or both? Investigating metallicity-dependent models for gamma-ray burst progenitors with the IllustrisTNG simulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 266-277. | 1.6 | 8 |
| 2678 | Compact Intermediate-mass Black Hole X-Ray Binaries: Potential LISA Sources?. <i>Astrophysical Journal</i> , 2020, 896, 129. | 1.6 | 11 |
| 2679 | Variability in Short Gamma-Ray Bursts: Gravitationally Unstable Tidal Tails. <i>Astrophysical Journal Letters</i> , 2020, 896, L38. | 3.0 | 10 |
| 2680 | A Markov chain Monte Carlo approach for measurement of jet precession in radio-loud active galactic nuclei. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 3911-3919. | 1.6 | 5 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2681 | Gravitational wave interference via gravitational lensing: Measurements of luminosity distance, lens mass, and cosmological parameters. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 31 |
| 2682 | Note on the mass–radius relations for spherical compact objects in general relativity with semi-classical corrections. <i>European Physical Journal C</i> , 2020, 80, 1. | 1.4 | 0 |
| 2683 | GW190425: Observation of a Compact Binary Coalescence with Total Mass $\sim 3.4 M_{\odot}$. <i>Astrophysical Journal Letters</i> , 2020, 892, L3. | 3.0 | 1,049 |
| 2684 | Torque and Angular-Momentum Transfer in Merging Rotating Bose-Einstein Condensates. <i>Physical Review Letters</i> , 2020, 124, 105302. | 2.9 | 4 |
| 2685 | Stringent constraints on neutron-star radii from multimessenger observations and nuclear theory. <i>Nature Astronomy</i> , 2020, 4, 625-632. | 4.2 | 269 |
| 2686 | A quark nova in the wake of a core-collapse supernova: a unifying model for long duration gamma-ray bursts and fast radio bursts. <i>Research in Astronomy and Astrophysics</i> , 2020, 20, 027. | 0.7 | 7 |
| 2687 | Relativistic stars in a cubic Galileon universe. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 12 |
| 2688 | Afterglow light curves from misaligned structured jets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 3521-3534. | 1.6 | 63 |
| 2689 | Constraining the magnetic field structure in collisionless relativistic shocks with a radio afterglow polarization upper limit in GW170817. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 5815-5825. | 1.6 | 40 |
| 2690 | Relativistic hypernuclear compact stars with calibrated equations of state. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 43 |
| 2691 | Empirical constraints on the high-density equation of state from multimessenger observables. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 18 |
| 2692 | Resonant interaction between dispersive gravitational waves and scalar massive particles. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 5 |
| 2693 | Forecasts on the speed of gravitational waves at high z . <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 015-015. | 1.9 | 26 |
| 2694 | Static fluid spheres admitting Karmarkar condition. <i>Chinese Physics C</i> , 2020, 44, 035101. | 1.5 | 27 |
| 2695 | Detecting gravitational self-lensing from stellar-mass binaries composed of black holes or neutron stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 1506-1517. | 1.6 | 9 |
| 2696 | Topological defects at the boundary of neutron superfluids in neutron stars. <i>Physical Review C</i> , 2020, 101, . | 1.1 | 7 |
| 2697 | First-order phase transition from hypernuclear matter to deconfined quark matter obeying new constraints from compact star observations. <i>Physical Review C</i> , 2020, 101, . | 1.1 | 30 |
| 2698 | Constraints on the symmetry energy and its associated parameters from nuclei to neutron stars. <i>Physical Review C</i> , 2020, 101, . | 1.1 | 41 |

| # | ARTICLE | IF | CITATIONS |
|------|---|------|-----------|
| 2699 | Thermal history of the early Universe and primordial gravitational waves from induced scalar perturbations. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 47 |
| 2700 | Triangular Norms for Gravitational Wave Data Fusion. <i>IEEE Transactions on Fuzzy Systems</i> , 2020, 28, 534-543. | 6.5 | 4 |
| 2701 | Investigation of Infrasound Background Noise at MĀĳtra Gravitational and Geophysical Laboratory (MGGL). <i>Universe</i> , 2020, 6, 10. | 0.9 | 2 |
| 2702 | Fast Radio Bursts from Interacting Binary Neutron Star Systems. <i>Astrophysical Journal Letters</i> , 2020, 890, L24. | 3.0 | 48 |
| 2703 | Neutron and quark stars: constraining the parameters for simple EoS using the GW170817. <i>Astrophysics and Space Science</i> , 2020, 365, 1. | 0.5 | 4 |
| 2704 | Limits on the electromagnetic counterpart to S190814bv. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 5916-5921. | 1.6 | 31 |
| 2705 | Symmetry energy at supra-saturation densities via the gravitational waves from GW170817. <i>Physical Review C</i> , 2020, 101, . | 1.1 | 35 |
| 2706 | Searching for primordial black holes with stochastic gravitational-wave background in the space-based detector frequency band. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 13 |
| 2707 | Strange quark stars within proper time regularized ($\langle \text{mml:math} \rangle$ Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 432 Td (xmlns:mml="http://www | 1.6 | 19 |
| 2708 | Comparing Short Gamma-Ray Burst Jet Structure Models. <i>Astrophysical Journal</i> , 2020, 891, 124. | 1.6 | 13 |
| 2709 | Is GW190425 Consistent with Being a Neutron Starâ€“Black Hole Merger?. <i>Astrophysical Journal Letters</i> , 2020, 891, L5. | 3.0 | 43 |
| 2710 | Tidal effects in the equations of motion of compact binary systems to next-to-next-to-leading post-Newtonian order. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 23 |
| 2711 | Prospect for constraining holographic dark energy with gravitational wave standard sirens from the Einstein Telescope. <i>European Physical Journal C</i> , 2020, 80, 1. | 1.4 | 25 |
| 2712 | Fast Radio Bursts from Activity of Neutron Stars Newborn in BNS Mergers: Offset, Birth Rate, and Observational Properties. <i>Astrophysical Journal</i> , 2020, 891, 72. | 1.6 | 47 |
| 2713 | Gamma-Rays from Kilonovae and the Cosmic Gamma-Ray Background. <i>Astrophysical Journal</i> , 2020, 892, 45. | 1.6 | 6 |
| 2714 | Possible Formation Scenarios of ZTF J153932.16+502738.8â€“A Gravitational Source Close to the Peak of LISAâ€™s Sensitivity. <i>Astrophysical Journal</i> , 2020, 890, 69. | 1.6 | 10 |
| 2715 | Improved squeezing of noise. <i>Nature Photonics</i> , 2020, 14, 202-204. | 15.6 | 0 |
| 2716 | Speed of gravity. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 61 |

| # | ARTICLE | IF | CITATIONS |
|------|---|------|-----------|
| 2717 | Gravitational waves or deconfined quarks: What causes the premature collapse of neutron stars born in short gamma-ray bursts?. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 32 |
| 2718 | Analytical analysis on the orbits of Taiji spacecrafts to infinite order of the orbital eccentricity. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 1 |
| 2719 | Gravitomagnetic tidal effects in gravitational waves from neutron star binaries. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 20 |
| 2720 | Inferring prompt black-hole formation in neutron star mergers from gravitational-wave data. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 43 |
| 2721 | Scalar-field dark energy nonminimally and kinetically coupled to dark matter. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 35 |
| 2722 | Testing the Hypothesis of a Compact-binary-coalescence Origin of Fast Radio Bursts Using a Multimessenger Approach. <i>Astrophysical Journal Letters</i> , 2020, 891, L39. | 3.0 | 7 |
| 2723 | Spherically symmetric black holes with electric and magnetic charge in extended gravity: physical properties, causal structure, and stability analysis in Einsteinâ€™s and Jordanâ€™s frames. <i>European Physical Journal C</i> , 2020, 80, 1. | 1.4 | 51 |
| 2724 | Diversity of Kilonova Light Curves. <i>Astrophysical Journal</i> , 2020, 889, 171. | 1.6 | 91 |
| 2725 | Constraining the Long-lived Magnetar Remnants in Short Gamma-Ray Bursts from Late-time Radio Observations. <i>Astrophysical Journal</i> , 2020, 890, 102. | 1.6 | 21 |
| 2726 | Fingerprints of Binary Black Hole Formation Channels Encoded in the Mass and Spin of Merger Remnants. <i>Astrophysical Journal</i> , 2020, 894, 133. | 1.6 | 70 |
| 2727 | Mergers of equal-mass binaries with compact object companions from mass transfer in triple star systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 1819-1833. | 1.6 | 16 |
| 2728 | The periodic table and the physics that drives it. <i>Nature Reviews Chemistry</i> , 2020, 4, 359-380. | 13.8 | 57 |
| 2729 | Spherically symmetric solutions in higher-derivative theories of gravity. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 4 |
| 2730 | Effective field theory of degenerate higher-order inflation. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 11 |
| 2731 | Binary Neutron Star Mergers After GW170817. <i>Frontiers in Astronomy and Space Sciences</i> , 2020, 7, . | 1.1 | 19 |
| 2732 | From boundary data to bound states. <i>Journal of High Energy Physics</i> , 2020, 2020, 1. | 1.6 | 159 |
| 2733 | Strings, extended objects, and the classical double copy. <i>Journal of High Energy Physics</i> , 2020, 2020, 1. | 1.6 | 41 |
| 2734 | Quark and Polyakov-loop correlations in effective models at zero and nonvanishing density. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 11 |

| # | ARTICLE | IF | CITATIONS |
|------|---|------|-----------|
| 2735 | Neutron stars with large quark cores. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 31 |
| 2736 | Nonsingular black holes in nonlinear gravity coupled to Euler-Heisenberg electrodynamics. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 14 |
| 2737 | Conformally invariant proper time with general non-metricity. <i>European Physical Journal C</i> , 2020, 80, 1. | 1.4 | 10 |
| 2738 | Bulk Viscous Damping of Density Oscillations in Neutron Star Mergers. <i>Particles</i> , 2020, 3, 500-517. | 0.5 | 26 |
| 2739 | Was GW170817 a Canonical Neutron Star Merger? Bayesian Analysis with a Third Family of Compact Stars. <i>Universe</i> , 2020, 6, 81. | 0.9 | 60 |
| 2740 | General Relativistic Mean-Field Dynamo Model for Proto-Neutron Stars. <i>Universe</i> , 2020, 6, 83. | 0.9 | 10 |
| 2741 | Gravito-electromagnetic approach for the space-time of a plane gravitational wave. <i>Journal of Physics Communications</i> , 2020, 4, 055013. | 0.5 | 12 |
| 2742 | Two-moment scheme for general-relativistic radiation hydrodynamics: a systematic description and new applications. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 2285-2304. | 1.6 | 20 |
| 2743 | Demonstration of the Multimaterial Coating Concept to Reduce Thermal Noise in Gravitational-Wave Detectors. <i>Physical Review Letters</i> , 2020, 125, 011102. | 2.9 | 15 |
| 2744 | Key factor for determining relation between radius and tidal deformability of neutron stars: Slope of symmetry energy *. <i>Chinese Physics C</i> , 2020, 44, 064103. | 1.5 | 5 |
| 2745 | Detecting the anisotropic astrophysical gravitational wave background in the presence of shot noise through cross-correlations. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 31 |
| 2746 | Newtonian-noise reassessment for the Virgo gravitational-wave observatory including local recess structures. <i>Classical and Quantum Gravity</i> , 2020, 37, 105007. | 1.5 | 11 |
| 2747 | Effective scalar-tensor description of regularized Lovelock gravity in four dimensions. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 013-013. | 1.9 | 89 |
| 2748 | The possible electromagnetic counterparts of the first high-probability NSBH merger LIGO/Virgo S190814bv. <i>Communications in Theoretical Physics</i> , 2020, 72, 065401. | 1.1 | 4 |
| 2749 | Measuring the speed of gravitational waves from the first and second observing run of Advanced LIGO and Advanced Virgo. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 18 |
| 2750 | A Brief Overview of Black Hole-Neutron Star Mergers. <i>Frontiers in Astronomy and Space Sciences</i> , 2020, 7, . | 1.1 | 35 |
| 2751 | Solution to the hyperon puzzle using dark matter. <i>Physics of the Dark Universe</i> , 2020, 30, 100622. | 1.8 | 16 |
| 2752 | Asymmetric mass ratios for bright double neutron-star mergers. <i>Nature</i> , 2020, 583, 211-214. | 13.7 | 38 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2753 | Anisotropic strange stars through embedding technique in massive Brans-Dicke gravity. <i>European Physical Journal Plus</i> , 2020, 135, 1. | 1.2 | 21 |
| 2754 | Silicon emissivity as a function of temperature. <i>International Journal of Heat and Mass Transfer</i> , 2020, 157, 119863. | 2.5 | 4 |
| 2755 | Hybrid and quark star matter based on a nonperturbative equation of state. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 39 |
| 2756 | DDF operators, open string coherent states and their scattering amplitudes. <i>Nuclear Physics B</i> , 2020, 952, 114943. | 0.9 | 19 |
| 2757 | GW170817 constraints on the properties of a neutron star in the presence of WIMP dark matter. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2020, 47, 095202. | 1.4 | 32 |
| 2758 | Black hole shadow in the view of freely falling observers. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 055-055. | 1.9 | 15 |
| 2759 | Impact of subdominant modes on the interpretation of gravitational-wave signals from heavy binary black hole systems. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 28 |
| 2760 | Could acceleration of a pulsar affect braking index?. <i>European Physical Journal C</i> , 2020, 80, 1. | 1.4 | 2 |
| 2761 | Perturbative deflection angles of timelike rays. <i>Classical and Quantum Gravity</i> , 2020, 37, 145004. | 1.5 | 6 |
| 2762 | Ultra-long-lived quasi-normal modes of neutron stars in massive scalar-tensor gravity. <i>Europhysics Letters</i> , 2020, 130, 50002. | 0.7 | 30 |
| 2763 | Lensing of fast radio bursts: Future constraints on primordial black hole density with an extended mass function and a new probe of exotic compact fermion and boson stars. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 26 |
| 2764 | INO: Interplanetary network of optical lattice clocks. <i>International Journal of Modern Physics D</i> , 2020, 29, 1940002. | 0.9 | 9 |
| 2765 | Quasi-normal modes of hairy scalar tensor black holes: odd parity. <i>Classical and Quantum Gravity</i> , 2020, 37, 115007. | 1.5 | 13 |
| 2766 | Discontinuity gravity modes in hybrid stars: Assessing the role of rapid and slow phase conversions. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 31 |
| 2767 | The expansion of stripped-envelope stars: Consequences for supernovae and gravitational-wave progenitors. <i>Astronomy and Astrophysics</i> , 2020, 637, A6. | 2.1 | 76 |
| 2768 | Ultrarelativistic astrophysics using multimessenger observations of double neutron stars with LISA and the SKA. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 5408-5412. | 1.6 | 12 |
| 2769 | Probing the theory of gravity with gravitational lensing of gravitational waves and galaxy surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 1956-1970. | 1.6 | 85 |
| 2770 | Thermodynamics and reentrant phase transition for logarithmic nonlinear charged black holes in massive gravity. <i>International Journal of Modern Physics D</i> , 2020, 29, 2050081. | 0.9 | 6 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2771 | Consistent Skyrme parametrizations constrained by GW170817. <i>European Physical Journal A</i> , 2020, 56, 1. | 1.0 | 24 |
| 2772 | On the Possibility of GW190425 Being a Black Hole–Neutron Star Binary Merger. <i>Astrophysical Journal Letters</i> , 2020, 890, L4. | 3.0 | 53 |
| 2773 | $f(\mathcal{G})$ gravity after GW170817. <i>Astrophysics and Space Science</i> , 2020, 365, 1. | 0.5 | 3 |
| 2774 | Escape, bound and capture geodesics in local static coordinates in Schwarzschild spacetime. <i>General Relativity and Gravitation</i> , 2020, 52, 1. | 0.7 | 4 |
| 2775 | Weak deflection angle of extended uncertainty principle black holes *. <i>Chinese Physics C</i> , 2020, 44, 025101. | 1.5 | 48 |
| 2776 | The properties of prompt emission in short gamma-ray bursts with extended emission observed by Fermi/GBM. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 3622-3630. | 1.6 | 7 |
| 2777 | The impact of isomers on a kilonova associated with neutron star mergers. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 493, L103-L107. | 1.2 | 14 |
| 2778 | 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. | 1.5 | 109 |
| 2779 | Studying strong phase transitions in neutron stars with gravitational waves. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 60 |
| 2780 | The impact of the crust equation of state on the analysis of GW170817. <i>Classical and Quantum Gravity</i> , 2020, 37, 025008. | 1.5 | 26 |
| 2781 | Multi-band gravitational wave tests of general relativity. <i>Classical and Quantum Gravity</i> , 2020, 37, 02LT01. | 1.5 | 38 |
| 2782 | Hairy rotating black holes in cubic Galileon theory. <i>Classical and Quantum Gravity</i> , 2020, 37, 035007. | 1.5 | 25 |
| 2783 | A guide to LIGO–Virgo detector noise and extraction of transient gravitational-wave signals. <i>Classical and Quantum Gravity</i> , 2020, 37, 055002. | 1.5 | 188 |
| 2784 | Future prospects for probing scalar–tensor theories with gravitational waves from mixed binaries. <i>Classical and Quantum Gravity</i> , 2020, 37, 065008. | 1.5 | 24 |
| 2785 | Quantum enhanced kHz gravitational wave detector with internal squeezing. <i>Classical and Quantum Gravity</i> , 2020, 37, 07LT02. | 1.5 | 13 |
| 2786 | Amorphous optical coatings of present gravitational-wave interferometers*. <i>Classical and Quantum Gravity</i> , 2020, 37, 095004. | 1.5 | 62 |
| 2787 | Neutron radii and neutron skin of neutron-rich nuclei deduced from proton-nucleus total reaction cross sections. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2020, 47, 055103. | 1.4 | 1 |
| 2788 | Varying the Horndeski Lagrangian within the Palatini approach. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 044-044. | 1.9 | 15 |

| # | ARTICLE | IF | CITATIONS |
|------|---|------|-----------|
| 2789 | Thermodynamic potential for quark-gluon plasma with finite quark mass and chemical potential. Journal of Physics Communications, 2020, 4, 025004. | 0.5 | 2 |
| 2790 | On short GRBs similar to GRB 170817A detected by Fermi-GBM. Monthly Notices of the Royal Astronomical Society, 2020, 492, 4283-4290. | 1.6 | 11 |
| 2791 | Optimizing gravitational waves follow-up using galaxies stellar mass. Monthly Notices of the Royal Astronomical Society, 2020, 492, 4768-4779. | 1.6 | 28 |
| 2792 | Mass and star formation rate of the host galaxies of compact binary mergers across cosmic time. Monthly Notices of the Royal Astronomical Society, 2020, 491, 3419-3434. | 1.6 | 35 |
| 2793 | Domain walls in neutron P23 superfluids in neutron stars. Physical Review C, 2020, 101, . | 1.1 | 12 |
| 2794 | Role of the crust in the tidal deformability of a neutron star within a unified treatment of dense matter. Physical Review C, 2020, 101, . | 1.1 | 15 |
| 2795 | Simulation of chirp mass distribution of neutron star and black hole merger events for gravitational-wave radiation. Physical Review D, 2020, 101, . | 1.6 | 1 |
| 2796 | Speed of sound constraints on maximally rotating neutron stars. Physical Review D, 2020, 101, . | 1.6 | 17 |
| 2797 | Unequal mass binary neutron star simulations with neutrino transport: Ejecta and neutrino emission. Physical Review D, 2020, 101, . | 1.6 | 38 |
| 2798 | Searching for Fossil Fields in the Gravity Sector. Physical Review Letters, 2020, 124, 061302. | 2.9 | 26 |
| 2799 | First Exploration of Neutron Shell Structure below Lead and beyond $\langle N \rangle = \langle 126 \rangle$. Physical Review Letters, 2020, 124, 062502. | 2.9 | 18 |
| 2800 | Effective field theory of dark energy: A review. Physics Reports, 2020, 857, 1-63. | 10.3 | 113 |
| 2801 | Optical alignment and wavefront error demonstration of a prototype LISA telescope. Classical and Quantum Gravity, 2020, 37, 065005. | 1.5 | 10 |
| 2802 | Are nuclear matter properties correlated to neutron star observables?. European Physical Journal A, 2020, 56, 1. | 1.0 | 29 |
| 2803 | A self-consistent method to estimate the rate of compact binary coalescences with a Poisson mixture model. Classical and Quantum Gravity, 2020, 37, 045007. | 1.5 | 35 |
| 2804 | Measuring Gravity at Cosmological Scales. Universe, 2020, 6, 20. | 0.9 | 25 |
| 2805 | The mini-GWAC optical follow-up of gravitational wave alerts " results from the O2 campaign and prospects for the upcoming O3 run. Research in Astronomy and Astrophysics, 2020, 20, 013. | 0.7 | 11 |
| 2806 | The NANOGrav 11 yr Data Set: Evolution of Gravitational-wave Background Statistics. Astrophysical Journal, 2020, 890, 108. | 1.6 | 28 |

| # | ARTICLE | IF | CITATIONS |
|------|--|------|-----------|
| 2807 | Constraining the Nuclear Equation of State via Gravitational-wave Radiation of Short Gamma-Ray Burst Remnants. <i>Astrophysical Journal</i> , 2020, 890, 99. | 1.6 | 6 |
| 2808 | A view of compact configurations from the $R + \hat{\Gamma}e \hat{\Gamma}T$ scenario. <i>Communications in Theoretical Physics</i> , 2020, 72, 035402. | 1.1 | 0 |
| 2809 | Constraining the gravitational-wave afterglow from a binary neutron star coalescence. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 4945-4951. | 1.6 | 15 |
| 2810 | Einstein-Gauss-Bonnet Gravity in Four-Dimensional Spacetime. <i>Physical Review Letters</i> , 2020, 124, 081301. | 2.9 | 387 |
| 2811 | Quasi-normal modes of static spherically symmetric black holes in $f(R)$ theory. <i>European Physical Journal C</i> , 2020, 80, 1. | 1.4 | 11 |
| 2812 | Singularities of plane gravitational waves in Einstein's general relativity. <i>General Relativity and Gravitation</i> , 2020, 52, 1. | 0.7 | 3 |
| 2813 | Testing claims of the GW170817 binary neutron star inspiral affecting $\hat{\Gamma}^2$ -decay rates. <i>Astroparticle Physics</i> , 2020, 119, 102431. | 1.9 | 4 |
| 2814 | Demonstration of interferometer enhancement through Einstein-Podolsky-Rosen entanglement. <i>Nature Photonics</i> , 2020, 14, 240-244. | 15.6 | 30 |
| 2815 | Prospects of joint detections of neutron star mergers and short GRBs with Gaussian structured jets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 1633-1639. | 1.6 | 11 |
| 2816 | SOGRO - Terrestrial full-tensor detector for mid-frequency gravitational waves. <i>International Journal of Modern Physics D</i> , 2020, 29, 1940001. | 0.9 | 10 |
| 2817 | Generation and control of frequency-dependent squeezing via Einstein-Podolsky-Rosen entanglement. <i>Nature Photonics</i> , 2020, 14, 223-226. | 15.6 | 22 |
| 2818 | J-PAS: forecasts on dark energy and modified gravity theories. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 3616-3631. | 1.6 | 14 |
| 2819 | Mass measurements of neutron-rich gallium isotopes refine production of nuclei of the first r -process abundance peak in neutron-star merger calculations. <i>Physical Review C</i> , 2020, 101, . | 1.1 | 15 |
| 2820 | Silhouette of M87*: A new window to peek into the world of hidden dimensions. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 127 |
| 2821 | Compact star of holographic nuclear matter and GW170817. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 801, 135176. | 1.5 | 10 |
| 2822 | Neutron star structure in the minimal gravitational Standard-Model Extension and the implication to continuous gravitational waves. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 803, 135283. | 1.5 | 11 |
| 2823 | LIGO/Virgo Sources from Merging Black Holes in Ultradwarf Galaxies. <i>Astrophysical Journal</i> , 2020, 890, 8. | 1.6 | 7 |
| 2824 | An arm length stabilization system for KAGRA and future gravitational-wave detectors. <i>Classical and Quantum Gravity</i> , 2020, 37, 035004. | 1.5 | 10 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2825 | Implications of the search for optical counterparts during the first six months of the Advanced LIGO's and Advanced Virgo's third observing run: possible limits on the ejecta mass and binary properties. Monthly Notices of the Royal Astronomical Society, 2020, 492, 863-876. | 1.6 | 71 |
| 2826 | Echoes from quantum black holes. Physical Review D, 2020, 101, . | 1.6 | 54 |
| 2827 | Gravitational wave detector OGRAN as multi-messenger project of RAS-MSU. International Journal of Modern Physics A, 2020, 35, 2040007. | 0.5 | 4 |
| 2828 | Should highly cited items be excluded in impact factor calculation? The effect of review articles on journal impact factor. Scientometrics, 2020, 122, 1697-1706. | 1.6 | 28 |
| 2829 | Standard siren speeds: improving velocities in gravitational-wave measurements of H0. Monthly Notices of the Royal Astronomical Society, 2020, 492, 3803-3815. | 1.6 | 42 |
| 2830 | Electromagnetic counterparts of black hole-neutron star mergers: dependence on the neutron star properties. European Physical Journal A, 2020, 56, 1. | 1.0 | 34 |
| 2831 | Evidence for modified Newtonian dynamics from Cavendish-type gravitational constant experiments. Classical and Quantum Gravity, 2020, 37, 065002. | 1.5 | 7 |
| 2832 | Gravitational waves from fast-spinning white dwarfs. Monthly Notices of the Royal Astronomical Society, 2020, 492, 5949-5955. | 1.6 | 12 |
| 2833 | Black Hole Hyperaccretion in Collapsars. II. Gravitational Waves. Astrophysical Journal, 2020, 889, 73. | 1.6 | 12 |
| 2834 | Two-colour QCD phases and the topology at low temperature and high density. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 27 |
| 2835 | Reconstruction of $f(R)$ Lagrangian from a massive scalar field. General Relativity and Gravitation, 2020, 52, 1. | 0.7 | 6 |
| 2836 | Comparison of post-Newtonian mode amplitudes with numerical relativity simulations of binary black holes. Classical and Quantum Gravity, 2020, 37, 065006. | 1.5 | 18 |
| 2837 | Using tours to visually investigate properties of new projection pursuit indexes with application to problems in physics. Computational Statistics, 2020, 35, 1171-1205. | 0.8 | 5 |
| 2838 | SciPy 1.0: fundamental algorithms for scientific computing in Python. Nature Methods, 2020, 17, 261-272. | 9.0 | 17,539 |
| 2839 | Constraining the Equation of State of High-density Cold Matter Using Nuclear and Astronomical Measurements. Astrophysical Journal, 2020, 888, 12. | 1.6 | 74 |
| 2840 | Reviving Horndeski theory using teleparallel gravity after GW170817. Physical Review D, 2020, 101, . | 1.6 | 44 |
| 2841 | Frequency-Dependent Squeezed Vacuum Source for Broadband Quantum Noise Reduction in Advanced Gravitational-Wave Detectors. Physical Review Letters, 2020, 124, 171101. | 2.9 | 63 |
| 2842 | A Galactic centre gravitational-wave Messenger. Scientific Reports, 2020, 10, 7054. | 1.6 | 3 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2843 | Mapping neutron star data to the equation of state using the deep neural network. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 60 |
| 2844 | Core-Collapse supernova gravitational-wave search and deep learning classification. <i>Machine Learning: Science and Technology</i> , 2020, 1, 025014. | 2.4 | 24 |
| 2845 | Tidal deformation of neutron stars from microscopic models of nuclear dynamics. <i>Physical Review C</i> , 2020, 101, . | 1.1 | 15 |
| 2846 | A morphology-independent search for gravitational wave echoes in data from the first and second observing runs of Advanced LIGO and Advanced Virgo. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 41 |
| 2847 | Gravitational collider physics. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 66 |
| 2848 | Postmerger Gravitational-Wave Signatures of Phase Transitions in Binary Mergers. <i>Physical Review Letters</i> , 2020, 124, 171103. | 2.9 | 110 |
| 2849 | Deconfinement and Freezeout Boundaries in Equilibrium Thermal Models. <i>Advances in High Energy Physics</i> , 2020, 2020, 1-8. | 0.5 | 3 |
| 2850 | Large sound speed in dense matter and the deformability of neutron stars. <i>Physical Review C</i> , 2020, 101, . | 1.1 | 42 |
| 2851 | Gravitational-wave signal recognition of LIGO data by deep learning. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 37 |
| 2852 | Binary white dwarfs and decihertz gravitational wave observations: From the Hubble constant to supernova astrophysics. <i>Astronomy and Astrophysics</i> , 2020, 635, A120. | 2.1 | 13 |
| 2853 | A high-precision abundance analysis of the nuclear benchmark star HD 20. <i>Astronomy and Astrophysics</i> , 2020, 635, A104. | 2.1 | 14 |
| 2854 | Equation of state for hot QCD and compact stars from a mean-field approach. <i>Physical Review C</i> , 2020, 101, . | 1.1 | 48 |
| 2855 | Dispersive optical model analysis of Pb generating a neutron-skin prediction beyond the mean field. <i>Physical Review C</i> , 2020, 101, . | 1.1 | 28 |
| 2856 | Benchmark calculations of pure neutron matter with realistic nucleon-nucleon interactions. <i>Physical Review C</i> , 2020, 101, . | 1.1 | 45 |
| 2857 | Fast evaluation of multidetector consistency for real-time gravitational wave searches. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 51 |
| 2858 | Probing up-down quark matter via gravitational waves. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 25 |
| 2859 | First survey of spinning eccentric black hole mergers: Numerical relativity simulations, hybrid waveforms, and parameter estimation. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 35 |
| 2860 | Evidence for ~ 34 Gyr timescales of neutron star mergers from Galactic archaeology. <i>Astronomy and Astrophysics</i> , 2020, 634, L2. | 2.1 | 29 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2861 | R-process enrichment in ultrafaint dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 494, 120-128. | 1.6 | 24 |
| 2862 | Stochastic gravitational wave background anisotropies in the mHz band: astrophysical dependencies. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 493, L1-L5. | 1.2 | 29 |
| 2863 | Dependence of gravitational wave transient rates on cosmic star formation and metallicity evolution history. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 493, L6-L10. | 1.2 | 48 |
| 2864 | Exploring the mass surface near the rare-earth abundance peak via precision mass measurements at JYFLTRAP. Physical Review C, 2020, 101, . | 1.1 | 22 |
| 2865 | Impact of statistical uncertainties on the composition of the outer crust of a neutron star. Physical Review C, 2020, 101, . | 1.1 | 17 |
| 2866 | Relativistic hybrid stars with sequential first-order phase transitions and heavy-baryon envelopes. Physical Review D, 2020, 101, . | 1.6 | 51 |
| 2867 | Thermodynamics conditions of matter in the neutrino decoupling region during neutron star mergers. European Physical Journal A, 2020, 56, 1. | 1.0 | 44 |
| 2868 | On the deconfinement phase transition in neutron-star mergers. European Physical Journal A, 2020, 56, 1. | 1.0 | 65 |
| 2869 | The finite-distance gravitational deflection of massive particles in stationary spacetime: a Jacobi metric approach. European Physical Journal C, 2020, 80, 1. | 1.4 | 34 |
| 2870 | The perturbative approach for the weak deflection angle. European Physical Journal C, 2020, 80, 1. | 1.4 | 15 |
| 2871 | Hyperon-Nuclear Interactions From SU(3) Chiral Effective Field Theory. Frontiers in Physics, 2020, 8, . | 1.0 | 25 |
| 2872 | Astrophysics in the Laboratory – The CBM Experiment at FAIR. Particles, 2020, 3, 320-335. | 0.5 | 4 |
| 2873 | A Comprehensive Statistical Study of Gamma-Ray Bursts. Astrophysical Journal, 2020, 893, 77. | 1.6 | 28 |
| 2874 | Black Hole Mass Function of Coalescing Neutron Star Black Hole Binary Systems: The Prospect of Reconstruction with the Gravitational Wave Observations. Astrophysical Journal, 2020, 892, 56. | 1.6 | 7 |
| 2875 | The unusual properties of plasmas. Rivista Del Nuovo Cimento, 2020, 43, 229-279. | 2.0 | 4 |
| 2876 | Linking extended and plateau emissions of short gamma-ray bursts. Monthly Notices of the Royal Astronomical Society, 2020, 493, 783-791. | 1.6 | 8 |
| 2877 | β -decay half-lives of 55 neutron-rich isotopes beyond the N=82 shell gap. Physical Review C, 2020, 101, . | 1.1 | 23 |
| 2878 | Anomalous decay rate of quasinormal modes. Physical Review D, 2020, 101, . | 1.6 | 19 |

| # | ARTICLE | IF | CITATIONS |
|------|--|------|-----------|
| 2879 | What Constraints on the Neutron Star Maximum Mass Can One Pose from GW170817 Observations?. <i>Astrophysical Journal</i> , 2020, 893, 146. | 1.6 | 41 |
| 2880 | Gravitational Waves from the Phase Transition of NS to QS. <i>Astrophysical Journal</i> , 2020, 893, 151. | 1.6 | 10 |
| 2881 | Spicing up the recipe for echoes from exotic compact objects: Orbital differences and corrections in rotating backgrounds. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 12 |
| 2882 | Updated parameter estimates for GW190425 using astrophysical arguments and implications for the electromagnetic counterpart. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 190-198. | 1.6 | 37 |
| 2883 | Hereditary terms at next-to-leading order in two-body gravitational dynamics. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 41 |
| 2884 | Dark matter signals on a laser interferometer. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 9 |
| 2885 | Peculiar acceleration of stellar-origin black hole binaries: Measurement and biases with LISA. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 39 |
| 2886 | New binary black hole mergers in the second observing run of Advanced LIGO and Advanced Virgo. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 225 |
| 2887 | Electrodynamics effects on colliding gravitational waves background. <i>Modern Physics Letters A</i> , 2020, 35, 2050150. | 0.5 | 0 |
| 2888 | Properties of Binary Components and Remnant in GW170817 Using Equations of State in Finite Temperature Field Theory Models. <i>Astrophysical Journal</i> , 2020, 890, 139. | 1.6 | 14 |
| 2889 | Lowly Polarized Light from a Highly Magnetized Jet of GRB 190114C. <i>Astrophysical Journal</i> , 2020, 892, 97. | 1.6 | 31 |
| 2890 | Numerical-relativity simulations of long-lived remnants of binary neutron star mergers. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 27 |
| 2891 | Decomposition of nuclear symmetry energy based on Lorentz-covariant nucleon self-energies in relativistic Hartree-Fock approximation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 803, 135282. | 1.5 | 5 |
| 2892 | Physics of radiation mediated shocks and its applications to GRBs, supernovae, and neutron star mergers. <i>Physics Reports</i> , 2020, 866, 1-46. | 10.3 | 38 |
| 2893 | Nuclear density functional theory. <i>Advances in Physics: X</i> , 2020, 5, 1740061. | 1.5 | 22 |
| 2894 | Detecting double neutron stars with LISA. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 3061-3072. | 1.6 | 49 |
| 2895 | Electromagnetic signals from the decay of free neutrons in the first hours of neutron star mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 1753-1760. | 1.6 | 14 |
| 2896 | Search for the optical counterpart of the GW170814 gravitational wave event with the VLT Survey Telescope. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 1731-1754. | 1.6 | 3 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2897 | Exploring the effective tidal deformability of neutron stars. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 22 |
| 2898 | Constraining the Dense Matter Equation of State with Joint Analysis of NICER and LIGO/Virgo Measurements. <i>Astrophysical Journal Letters</i> , 2020, 893, L21. | 3.0 | 143 |
| 2899 | A neutron star with a strange quark star-like mass-radius relation. <i>Physics of the Dark Universe</i> , 2020, 28, 100488. | 1.8 | 1 |
| 2900 | Do Delta baryons play a role in neutron stars?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 802, 135266. | 1.5 | 16 |
| 2901 | Strangeness in nuclei and neutron stars. <i>Progress in Particle and Nuclear Physics</i> , 2020, 112, 103770. | 5.6 | 118 |
| 2902 | Short introduction to the physics of neutron stars. <i>EPJ Web of Conferences</i> , 2020, 227, 01018. | 0.1 | 4 |
| 2903 | Constraining extra-spatial dimensions with observations of GW170817. <i>Classical and Quantum Gravity</i> , 2020, 37, 105004. | 1.5 | 36 |
| 2904 | Modelling the chemical evolution of Zr, La, Ce, and Eu in the Galactic discs and bulge. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 2828-2834. | 1.6 | 18 |
| 2905 | Mass from a third star: transformations of close compact-object binaries within hierarchical triples. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 1855-1873. | 1.6 | 5 |
| 2906 | A line-binned treatment of opacities for the spectra and light curves from neutron star mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 4143-4171. | 1.6 | 82 |
| 2907 | Nuclear statistical equilibrium equation of state with a parametrized Dirac-Brückner Hartree-Fock calculation. <i>Progress of Theoretical and Experimental Physics</i> , 2020, 2020, . | 1.8 | 7 |
| 2908 | A hybrid model of Skyrme- and Brueckner-type interactions for neutron star matter. <i>Progress of Theoretical and Experimental Physics</i> , 2020, 2020, . | 1.8 | 1 |
| 2909 | Stealth black holes in shift symmetric kinetic gravity braiding. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 12 |
| 2910 | Numerical black hole solutions in modified gravity theories: Spherical symmetry case. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 17 |
| 2911 | Black holes with a nonconstant kinetic term in degenerate higher-order scalar tensor theories. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 19 |
| 2912 | Mass-radius relation for neutron stars in $f(R)$ gravity: A comparison between purely metric and torsion formulations. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 14 |
| 2913 | Relativistic stars in mass-varying massive gravity. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 5 |
| 2914 | Light curves from highly compact neutron stars with spot size effect. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 15 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2933 | The MPD Experiment and JINR: construction status and physics performance. Nuclear Physics A, 2021, 1005, 122006. | 0.6 | 3 |
| 2934 | Performance verification of next-generation Si CMOS soft X-ray detector for space applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 987, 164843. | 0.7 | 10 |
| 2935 | Overview of KAGRA: KAGRA science. Progress of Theoretical and Experimental Physics, 2021, 2021, . | 1.8 | 31 |
| 2936 | Asymmetric nuclear matter and realistic potentials. Indian Journal of Physics, 2021, 95, 1499-1508. | 0.9 | 1 |
| 2937 | Echoes from phantom wormholes. Physical Review D, 2021, 103, . | 1.6 | 27 |
| 2938 | Bulk viscosity for interacting strange quark matter and r-mode instability windows for strange stars. Chinese Physics C, 2021, 45, 015103. | 1.5 | 5 |
| 2939 | Investigating the I-Love-Q and w -mode universal relations using piecewise polytropes. Physical Review D, 2021, 103, . | 1.6 | 11 |
| 2940 | TATTER: A hypothesis testing tool for multi-dimensional data. Astronomy and Computing, 2021, 34, 100445. | 0.8 | 1 |
| 2941 | Modeling a 2.5M \check{S} ™ compact star with quark matter. International Journal of Modern Physics D, 2021, 30, 2150016. | 0.9 | 17 |
| 2942 | Hamiltonian analysis of Mimetic gravity with higher derivatives. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 7 |
| 2943 | Improved early warning of compact binary mergers using higher modes of gravitational radiation: a population study. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1612-1622. | 1.6 | 7 |
| 2944 | Insights into the pion production mechanism and the symmetry energy at high density. Physical Review C, 2021, 103, . | 1.1 | 19 |
| 2945 | Investigating the effect of in-plane spin directions for precessing binary black hole systems. Physical Review D, 2021, 103, . | 1.6 | 7 |
| 2946 | Magnetic deformation of neutron stars in scalar-tensor theories. Astronomy and Astrophysics, 2021, 645, A39. | 2.1 | 8 |
| 2947 | Constraints on stellar rotation from the evolution of Sr and Ba in the Galactic halo. Monthly Notices of the Royal Astronomical Society, 2021, 502, 2495-2507. | 1.6 | 9 |
| 2948 | Nucleosynthesis in magneto-rotational supernovae. Monthly Notices of the Royal Astronomical Society, 0, , . | 1.6 | 39 |
| 2949 | Modeling Kilonova Light Curves: Dependence on Nuclear Inputs. Astrophysical Journal, 2021, 906, 94. | 1.6 | 63 |
| 2951 | Constraints on the speed of sound of dense nuclear matter through the tidal deformability of neutron stars. EPJ Web of Conferences, 2021, 252, 05005. | 0.1 | 1 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2952 | Thermal properties of hot and dense matter: Influence of rapid rotation on protoneutron stars, hot neutron stars, and neutron star merger remnants. EPJ Web of Conferences, 2021, 252, 05004. | 0.1 | 0 |
| 2953 | advligorts: The Advanced LIGO real-time digital control and data acquisition system. SoftwareX, 2021, 13, 100619. | 1.2 | 9 |
| 2954 | Reducing scattered light in LIGO's third observing run. Classical and Quantum Gravity, 2021, 38, 025016. | 1.5 | 49 |
| 2955 | Precessing magnetars as central engines in short gamma-ray bursts. Monthly Notices of the Royal Astronomical Society, 2021, 502, 2482-2494. | 1.6 | 11 |
| 2956 | Testing the general theory of relativity using gravitational wave propagation from dark standard sirens. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1136-1144. | 1.6 | 50 |
| 2957 | Improved deep learning techniques in gravitational-wave data analysis. Physical Review D, 2021, 103, . | 1.6 | 17 |
| 2958 | Updating the Historical Perspective of the Interaction of Gravitational Field and Orbit in Sun-Planet-Moon System. International Journal of Astronomy and Astrophysics, 2021, 11, 343-369. | 0.2 | 0 |
| 2959 | News Feature: Tracing gold's cosmic origin story. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2026110118. | 3.3 | 1 |
| 2960 | Inferring physical properties of stellar collapse by third-generation gravitational-wave detectors. Physical Review D, 2021, 103, . | 1.6 | 7 |
| 2961 | Influence of direct Urca on the r-mode spin down features of newborn neutron star pulsars. Physica Scripta, 2021, 96, 045301. | 1.2 | 4 |
| 2962 | Robust recovery of primitive variables in relativistic ideal magnetohydrodynamics. Physical Review D, 2021, 103, . | 1.6 | 18 |
| 2963 | Soluciones exactas de agujeros negros en la teoría generalizada de Proca. Revista De La Academia Colombiana De Ciencias Exactas, Físicas Y Naturales, 0, , . | 0.0 | 1 |
| 2964 | Radial oscillations and gravitational wave echoes of strange stars for various equations of state. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1557-1568. | 1.6 | 14 |
| 2965 | CSHINE for studies of HBT correlation in heavy ion reactions. Nuclear Science and Techniques/Hewuli, 2021, 32, 1. | 1.3 | 21 |
| 2966 | GW190521 formation via three-body encounters in young massive star clusters. Monthly Notices of the Royal Astronomical Society, 2021, 508, 3045-3054. | 1.6 | 15 |
| 2967 | Model-independent constraints on cosmic curvature: implication from the future space gravitational-wave antenna DECIGO. European Physical Journal C, 2021, 81, 1. | 1.4 | 17 |
| 2968 | J-GEM optical and near-infrared follow-up of gravitational wave events during LIGO's and Virgo's third observing run. Progress of Theoretical and Experimental Physics, 2021, 2021, . | 1.8 | 8 |
| 2969 | Constraints on Galileons from the positions of supermassive black holes. Physical Review D, 2021, 103, . | 1.6 | 12 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2970 | Cosmological perturbations in modified teleparallel gravity models: boundary term extension. <i>European Physical Journal C</i> , 2021, 81, 1. | 1.4 | 19 |
| 2971 | Nuclear Forces. <i>UNITEXT for Physics</i> , 2021, , 53-92. | 0.1 | 0 |
| 2972 | Strong-Interaction Matter under Extreme Conditions from Chiral Quark Models with Nonlocal Separable Interactions. <i>Symmetry</i> , 2021, 13, 121. | 1.1 | 8 |
| 2973 | The effect of jetâ€œejecta interaction on the viewing angle dependence of kilonova light curves. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 865-875. | 1.6 | 20 |
| 2974 | Mergers of Binary Neutron Star Systems: A Multimessenger Revolution. <i>Frontiers in Astronomy and Space Sciences</i> , 2021, 7, . | 1.1 | 16 |
| 2975 | Hybrid star properties from an extended linear sigma model. <i>Astronomische Nachrichten</i> , 2021, 342, 271-276. | 0.6 | 0 |
| 2976 | The role of quark matter surface tension in magnetars. <i>Astronomische Nachrichten</i> , 2021, 342, 205-210. | 0.6 | 2 |
| 2977 | Thermal evolution of neutron stars described within the equation of state with induced surface tension. <i>Astronomische Nachrichten</i> , 2021, 342, 332-336. | 0.6 | 2 |
| 2978 | Hybrid stars with hyperons and strange quark matter. <i>AIP Conference Proceedings</i> , 2021, , . | 0.3 | 5 |
| 2979 | Gravitational waves in $\mathbf{f(R)}$ gravity power law model. <i>Indian Journal of Physics</i> , 2022, 96, 637-646. | 0.9 | 16 |
| 2980 | Gravitational Waves in Scalarâ€œTensorâ€œVector Gravity Theory. <i>Universe</i> , 2021, 7, 9. | 0.9 | 9 |
| 2981 | Hybrid post-Newtonian effective-one-body scheme for spin-precessing compact-binary waveforms up to merger. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 26 |
| 2982 | Analyzing clustering of astrophysical gravitational-wave sources: luminosity-distance space distortions. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 036-036. | 1.9 | 10 |
| 2983 | Origins and Resources of Uranium and Thorium. , 2021, , 661-669. | | 1 |
| 2984 | Probing the Nuclear Equation of State from the Existence of a $\sim 1.42.6 M_{\odot}$ Neutron Star: The GW190814 Puzzle. <i>Symmetry</i> , 2021, 13, 183. | 1.1 | 30 |
| 2985 | Multi-dimensional solution of fast neutrino conversions in binary neutron star merger remnants. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 017-017. | 1.9 | 30 |
| 2986 | Numerical Relativity Simulations of the Neutron Star Merger GW170817: Long-term Remnant Evolutions, Winds, Remnant Disks, and Nucleosynthesis. <i>Astrophysical Journal</i> , 2021, 906, 98. | 1.6 | 94 |
| 2987 | Cosmology with the Einstein telescope: No Slip Gravity model and redshift specifications. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 5563-5575. | 1.6 | 20 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2988 | Multi-messenger Astrophysics with the Highest Energy Counterparts of Gravitational Waves. , 2021, , 1-26. | | 1 |
| 2989 | Tuning Advanced LIGO to kilohertz signals from neutron-star collisions. Physical Review D, 2021, 103, . | 1.6 | 14 |
| 2990 | Projecting the likely importance of weak-interaction-driven bulk viscosity in neutron star mergers. Monthly Notices of the Royal Astronomical Society, 2021, 509, 1096-1108. | 1.6 | 34 |
| 2991 | Comparing inclination-dependent analyses of kilonova transients. Monthly Notices of the Royal Astronomical Society, 2021, 502, 3057-3065. | 1.6 | 34 |
| 2992 | Isospin Symmetry Breaking Effects on the Mass-Radius Relation of a Neutron Star. Symmetry, 2021, 13, 144. | 1.1 | 4 |
| 2993 | Quasiuniversal relations for generalized Skyrme stars. Physical Review D, 2021, 103, . | 1.6 | 6 |
| 2994 | Resolving Hubble tension with quintom dark energy model *. Chinese Physics C, 2021, 45, 015108. | 1.5 | 13 |
| 2995 | r-Process Nucleosynthesis from Compact Binary Mergers. , 2021, , 1-56. | | 12 |
| 2996 | Repeated Bursts. , 2021, , 1-35. | | 1 |
| 2997 | High-Sensitivity Accelerometry with a Feedback-Cooled Magnetically Levitated Microsphere. Physical Review Applied, 2021, 15, . | 1.5 | 24 |
| 2998 | Holographic quark matter with color superconductivity and a stiff equation of state for compact stars. Physical Review D, 2021, 103, . | 1.6 | 20 |
| 2999 | Studying the onset of deconfinement with multi-messenger astronomy of neutron stars. Astronomische Nachrichten, 2021, 342, 227-233. | 0.6 | 27 |
| 3000 | New sensitivity curves for gravitational-wave signals from cosmological phase transitions. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 148 |
| 3001 | Multimessenger cosmology: Correlating cosmic microwave background and stochastic gravitational wave background measurements. Physical Review D, 2021, 103, . | 1.6 | 28 |
| 3002 | Neutron star structure with nuclear force mediated by hypothetical X17 boson. EPJ Web of Conferences, 2021, 252, 04008. | 0.1 | 2 |
| 3003 | Cosmic String Interpretation of NANOGrav Pulsar Timing Data. Physical Review Letters, 2021, 126, 041304. | 2.9 | 163 |
| 3004 | Impacts of dark matter on the curvature of the neutron star. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 007-007. | 1.9 | 30 |
| 3005 | Neutron stars mergers in a stochastic chemical evolution model: impact of time delay distributions. Monthly Notices of the Royal Astronomical Society, 2021, 503, 1-12. | 1.6 | 10 |

| # | ARTICLE | IF | CITATIONS |
|------|---|------|-----------|
| 3006 | Modeling compact binary signals and instrumental glitches in gravitational wave data. Physical Review D, 2021, 103, . | 1.6 | 36 |
| 3007 | Cosmological constraints on late-Universe decaying dark matter as a solution to the H_0 tension. Physical Review D, 2021, 103, . | 1.6 | 36 |
| 3008 | Phase transitions in the early universe. SciPost Physics Lecture Notes, 0, , . | 0.0 | 71 |
| 3009 | Hadron-quark mixed phase in the quark-meson coupling model. Physical Review C, 2021, 103, . | 1.1 | 21 |
| 3010 | New cylindrically symmetric solution of Einstein field equations their conservation laws and the particles dynamics. Indian Journal of Physics, 2022, 96, 971-979. | 0.9 | 0 |
| 3011 | Equilibrium sequences of differentially rotating stars with post-merger-like rotational profiles. Monthly Notices of the Royal Astronomical Society, 2021, 503, 850-866. | 1.6 | 8 |
| 3012 | How can <i>LISA</i> probe a population of GW190425-like binary neutron stars in the Milky Way?. Monthly Notices of the Royal Astronomical Society, 2021, 502, 5576-5583. | 1.6 | 5 |
| 3013 | Hybrid stars with sequential phase transitions: the emergence of the g_{22} mode. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 009-009. | 1.9 | 18 |
| 3014 | Cosmology of cubic galileon in modified teleparallel gravity. European Physical Journal C, 2021, 81, 1. | 1.4 | 1 |
| 3015 | Inspiraling Double Compact Object Detection and Lensing Rate: Forecast for DECIGO and B-DECIGO. Astrophysical Journal, 2021, 908, 196. | 1.6 | 18 |
| 3016 | Gauge transformation of scalar induced tensor perturbation during matter domination. Physical Review D, 2021, 103, . | 1.6 | 15 |
| 3017 | High speed source localization in searches for gravitational waves from compact object collisions. Physical Review D, 2021, 103, . | 1.6 | 3 |
| 3018 | The cosmic merger rate density of compact objects: impact of star formation, metallicity, initial mass function, and binary evolution. Monthly Notices of the Royal Astronomical Society, 2021, 502, 4877-4889. | 1.6 | 91 |
| 3019 | Novel Probes Project: Tests of gravity on astrophysical scales. Reviews of Modern Physics, 2021, 93, . | 16.4 | 47 |
| 3020 | Generalised Proca theories in teleparallel gravity. European Physical Journal Plus, 2021, 136, 1. | 1.2 | 9 |
| 3021 | Current status of space gravitational wave antenna DECIGO and B-DECIGO. Progress of Theoretical and Experimental Physics, 2021, 2021, . | 1.8 | 150 |
| 3022 | Combining Electromagnetic and Gravitational-Wave Constraints on Neutron-Star Masses and Radii. Physical Review Letters, 2021, 126, 061101. | 2.9 | 57 |
| 3023 | Bulk viscosity in relativistic fluids: from thermodynamics to hydrodynamics. Classical and Quantum Gravity, 2021, 38, 075001. | 1.5 | 18 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3024 | Does NGC 6397 contain an intermediate-mass black hole or a more diffuse inner subcluster?. <i>Astronomy and Astrophysics</i> , 2021, 646, A63. | 2.1 | 29 |
| 3025 | The R-Process Alliance: Chemodynamically Tagged Groups of Halo r-process-enhanced Stars Reveal a Shared Chemical-evolution History. <i>Astrophysical Journal</i> , 2021, 908, 79. | 1.6 | 34 |
| 3026 | A Needle in (Many) Haystacks: Using the False Alarm Rate to Sift Gravitational Waves from Noise. <i>Significance</i> , 2021, 18, 26-31. | 0.3 | 1 |
| 3027 | Constraining unmodeled physics with compact binary mergers from GWTC-1. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 10 |
| 3028 | Neutron star structure in Ho ^À ™ava-Lifshitz gravity. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 4 |
| 3029 | Gravitational redshift/blueshift of light emitted by geodesic test particles, frame-dragging and pericentre-shift effects, in the Kerrâ€“Newmanâ€“de Sitter and Kerrâ€“Newman black hole geometries. <i>European Physical Journal C</i> , 2021, 81, 1. | 1.4 | 19 |
| 3030 | Reconsidering the Ostrogradsky theorem: higher-derivatives Lagrangians, ghosts and degeneracy. <i>Classical and Quantum Gravity</i> , 2021, 38, 075005. | 1.5 | 13 |
| 3031 | Echoes of compact objects in scalar-tensor theories of gravity. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 13 |
| 3032 | Afterglow Light Curves of Nonrelativistic Ejecta Mass in a Stratified Circumstellar Medium. <i>Astrophysical Journal</i> , 2021, 907, 78. | 1.6 | 10 |
| 3033 | Measurements of H_0 and reconstruction of the dark energy properties from a model-independent joint analysis. <i>European Physical Journal C</i> , 2021, 81, 1. | 1.4 | 43 |
| 3034 | 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. | 1.6 | 5 |
| 3035 | Relativistic effective action of dynamical gravitomagnetic tides for slowly rotating neutron stars. <i>Physical Review Research</i> , 2021, 3, . | 1.3 | 17 |
| 3036 | Long-term evolution of a merger-remnant neutron star in general relativistic magnetohydrodynamics: Effect of magnetic winding. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 22 |
| 3037 | ¹²⁹ I and ²⁴⁷ Cm in meteorites constrain the last astrophysical source of solar r-process elements. <i>Science</i> , 2021, 371, 945-948. | 6.0 | 37 |
| 3038 | Lensing rates of gravitational wave signals displaying beat patterns detectable by DECIGO and B-DECIGO. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 10 |
| 3039 | Classical black hole scattering from a worldline quantum field theory. <i>Journal of High Energy Physics</i> , 2021, 2021, 1. | 1.6 | 119 |
| 3040 | Multimessenger Parameter Estimation of GW170817: From Jet Structure to the Hubble Constant. <i>Astrophysical Journal</i> , 2021, 908, 200. | 1.6 | 21 |
| 3041 | On the Nature of GW190814 and Its Impact on the Understanding of Supranuclear Matter. <i>Astrophysical Journal Letters</i> , 2021, 908, L1. | 3.0 | 80 |

| # | ARTICLE | IF | CITATIONS |
|------|--|------|-----------|
| 3042 | GW170817 and GW190814: Tension on the Maximum Mass. <i>Astrophysical Journal Letters</i> , 2021, 908, L28. | 3.0 | 63 |
| 3043 | Origin of the heaviest elements: The rapid neutron-capture process. <i>Reviews of Modern Physics</i> , 2021, 93, . | 16.4 | 326 |
| 3044 | How can amorphous silicon improve current gravitational-wave detectors?. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 5 |
| 3045 | High-Energy Neutrino Astronomy—Baikal-GVD Neutrino Telescope in Lake Baikal. <i>Symmetry</i> , 2021, 13, 377. | 1.1 | 6 |
| 3046 | Initial data and eccentricity reduction toolkit for binary black hole numerical relativity waveforms. <i>Classical and Quantum Gravity</i> , 0, , . | 1.5 | 2 |
| 3047 | How loud are echoes from exotic compact objects?. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 18 |
| 3048 | Neutron star properties from astrophysical observations. <i>Journal of the Korean Physical Society</i> , 2021, 78, 932-941. | 0.3 | 2 |
| 3049 | New Perspectives for Multifrequency GW Astronomy: Strong Gravitational Lensing of GW. <i>Physical Sciences Forum</i> , 2021, 2, 57. | 0.3 | 0 |
| 3050 | Role of Anisotropy on the Tidal Deformability of Compact Stellar Objects. <i>Physical Sciences Forum</i> , 2021, 2, . | 0.3 | 3 |
| 3051 | Optimized Statistical Approach for Comparing Multi-messenger Neutron Star Data. <i>Astrophysical Journal</i> , 2021, 908, 103. | 1.6 | 4 |
| 3052 | Parameter estimation of a two-component neutron star model with spin wandering. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 3113-3127. | 1.6 | 8 |
| 3054 | The ANTARES Astronomical Time-domain Event Broker. <i>Astronomical Journal</i> , 2021, 161, 107. | 1.9 | 31 |
| 3055 | The phenomenology of dynamical neutron star tides. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 533-539. | 1.6 | 18 |
| 3056 | Test for the Origin of Solar Mass Black Holes. <i>Physical Review Letters</i> , 2021, 126, 071101. | 2.9 | 35 |
| 3057 | The Young Supernova Experiment: Survey Goals, Overview, and Operations. <i>Astrophysical Journal</i> , 2021, 908, 143. | 1.6 | 52 |
| 3058 | China's first step towards probing the expanding universe and the nature of gravity using a space borne gravitational wave antenna. <i>Communications Physics</i> , 2021, 4, . | 2.0 | 26 |
| 3059 | Overview of KAGRA: Calibration, detector characterization, physical environmental monitors, and the geophysics interferometer. <i>Progress of Theoretical and Experimental Physics</i> , 2021, 2021, . | 1.8 | 66 |
| 3060 | The Fate of the Merger Remnant in GW170817 and Its Imprint on the Jet Structure. <i>Astrophysical Journal</i> , 2021, 908, 152. | 1.6 | 35 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3061 | Maximum mass of hybrid star formed via shock-induced phase transition in cold neutron stars. Monthly Notices of the Royal Astronomical Society, 2021, 503, 4829-4837. | 1.6 | 5 |
| 3062 | Toward observing neutron star collapse with gravitational wave detectors. Physical Review D, 2021, 103, . | 1.6 | 9 |
| 3063 | Fission fragment distributions and their impact on the r -process nucleosynthesis in neutron star mergers. Physical Review C, 2021, 103, . | 1.1 | 35 |
| 3064 | Properties of Neutrino Transfer in a Deformed Remnant of a Neutron Star Merger. Astrophysical Journal, 2021, 907, 92. | 1.6 | 11 |
| 3065 | General teleparallel modifications of Schwarzschild geometry. International Journal of Geometric Methods in Modern Physics, 2021, 18, 2140001. | 0.8 | 10 |
| 3066 | Constraints from compact star observations on non-Newtonian gravity in strange stars based on a density dependent quark mass model. Physical Review D, 2021, 103, . | 1.6 | 9 |
| 3067 | Final Compact Remnants in Core-collapse Supernovae from 20 to 40 M_{\odot} : The Lower Mass Gap. Astrophysical Journal, 2021, 908, 106. | 1.6 | 20 |
| 3068 | External Inverse-Compton Emission Associated with Extended and Plateau Emission of Short Gamma-Ray Bursts: Application to GRB 160821B. Astrophysical Journal Letters, 2021, 908, L36. | 3.0 | 15 |
| 3069 | Strangeness and baryon-baryon interactions in relativistic chiral effective field theory. Physical Review C, 2021, 103, . | 1.1 | 10 |
| 3070 | Identifying Strong Gravitational-wave Lensing during the Second Observing Run of Advanced LIGO and Advanced Virgo. Astrophysical Journal, 2021, 908, 97. | 1.6 | 40 |
| 3071 | Conserved charges of the Bondi-Metzner-Sachs algebra in the Brans-Dicke theory *. Chinese Physics C, 2021, 45, 023122. | 1.5 | 11 |
| 3072 | Standard-siren Cosmology Using Gravitational Waves from Binary Black Holes. Astrophysical Journal, 2021, 908, 215. | 1.6 | 28 |
| 3073 | A Program for Multimessenger Standard Siren Cosmology in the Era of LIGO A+, Rubin Observatory, and Beyond. Astrophysical Journal Letters, 2021, 908, L4. | 3.0 | 35 |
| 3074 | Velocity correction for Hubble constant measurements from standard sirens. Astronomy and Astrophysics, 2021, 646, A65. | 2.1 | 54 |
| 3075 | Impact of dynamical dark energy on the neutron star equilibrium. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 045-045. | 1.9 | 5 |
| 3076 | Gravitational lensing by hairy black holes in Einstein-scalar-Gauss-Bonnet theories. Physical Review D, 2021, 103, . | 1.6 | 31 |
| 3077 | Microscopic equation of state of hot nuclear matter for numerical relativity simulations. Astronomy and Astrophysics, 2021, 646, A55. | 2.1 | 31 |
| 3078 | CW190814 as a massive rapidly rotating neutron star with exotic degrees of freedom. Physical Review C, 2021, 103, . | 1.1 | 85 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3079 | Argon bubble formation in tantalum oxide-based films for gravitational wave interferometer mirrors. <i>Optical Materials Express</i> , 2021, 11, 707. | 1.6 | 7 |
| 3080 | Accurate nuclear symmetry energy at finite temperature within a Brueckner-Hartree-Fock approach. <i>Physical Review C</i> , 2021, 103, . | 1.1 | 7 |
| 3081 | Gravitational wave friction in light of GW170817 and GW190521. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 043-043. | 1.9 | 24 |
| 3082 | Accurate precision cosmology with redshift unknown gravitational wave sources. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 79 |
| 3083 | The Advanced Virgo photon calibrators. <i>Classical and Quantum Gravity</i> , 2021, 38, 075007. | 1.5 | 20 |
| 3084 | Excitation of isobaric analog states from α -particle induced reactions. <i>Physical Review C</i> , 2021, 103, . | 1.1 | 11 |
| 3085 | A Modern View of the Equation of State in Nuclear and Neutron Star Matter. <i>Symmetry</i> , 2021, 13, 400. | 1.1 | 14 |
| 3086 | Optical follow-up observation for GW event S190510g using Subaru/Hyper Suprime-Cam. <i>Publication of the Astronomical Society of Japan</i> , 2021, 73, 350-364. | 1.0 | 9 |
| 3087 | Electromagnetic counterparts of compact binary mergers. <i>Journal of Plasma Physics</i> , 2021, 87, . | 0.7 | 13 |
| 3088 | Dispersion and Rotation Measures from the Ejecta of Compact Binary Mergers: Clue to the Progenitors of Fast Radio Bursts. <i>Astrophysical Journal</i> , 2021, 907, 111. | 1.6 | 19 |
| 3089 | Properties of the remnant disk and the dynamical ejecta produced in low-mass black hole-neutron star mergers. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 12 |
| 3090 | Neutron star cooling and GW170817 constraint within quark-meson coupling models *. <i>Chinese Physics C</i> , 2021, 45, 025101. | 1.5 | 4 |
| 3091 | Gravitational wave detectors with broadband high frequency sensitivity. <i>Communications Physics</i> , 2021, 4, . | 2.0 | 26 |
| 3092 | Markov Chain Monte Carlo Predictions of Neutron-rich Lanthanide Properties as a Probe of r-process Dynamics. <i>Astrophysical Journal</i> , 2021, 907, 98. | 1.6 | 15 |
| 3093 | Role of dense matter in tidal deformations of inspiralling neutron stars and in gravitational waveforms with unified equations of state. <i>Physical Review C</i> , 2021, 103, . | 1.1 | 6 |
| 3094 | Improvement of the Target Sensitivity in DECIGO by Optimizing Its Parameters for Quantum Noise Including the Effect of Diffraction Loss. <i>Galaxies</i> , 2021, 9, 14. | 1.1 | 11 |
| 3095 | Ground-based gravitational wave detection and its implications. <i>Journal of the Korean Physical Society</i> , 2021, 78, 975-984. | 0.3 | 0 |
| 3096 | Evolution of Galaxy Star Formation and Metallicity: Impact on Double Compact Object Mergers. <i>Astrophysical Journal</i> , 2021, 907, 110. | 1.6 | 27 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3097 | startrack predictions of the stochastic gravitational-wave background from compact binary mergers. Physical Review D, 2021, 103, . | 1.6 | 36 |
| 3098 | BayesWave analysis pipeline in the era of gravitational wave observations. Physical Review D, 2021, 103, . | 1.6 | 65 |
| 3099 | Low-energy Measurement of the $^{96}\text{Zr}(\bar{\nu},n)^{99}\text{Mo}$ Reaction Cross Section and Its Impact on Weak r-process Nucleosynthesis. Astrophysical Journal, 2021, 908, 202. | 1.6 | 11 |
| 3100 | Modeling gravitational waves from exotic compact objects. Physical Review D, 2021, 103, . | 1.6 | 15 |
| 3101 | thornado-hydro: A Discontinuous Galerkin Method for Supernova Hydrodynamics with Nuclear Equations of State*. Astrophysical Journal, Supplement Series, 2021, 253, 21. | 3.0 | 6 |
| 3102 | High-accuracy waveforms for black hole-neutron star systems with spinning black holes. Physical Review D, 2021, 103, . | 1.6 | 10 |
| 3103 | \hat{I}^2 -decay feeding intensity distributions for Nb103,104m. Physical Review C, 2021, 103, . | 1.1 | 5 |
| 3104 | Neutron conversionâ€“diffusion: a new model for structured short gamma-ray burst jets compatible with GRB 170817. Monthly Notices of the Royal Astronomical Society, 2021, 503, 2499-2513. | 1.6 | 7 |
| 3105 | Updated universal relations for tidal deformabilities of neutron stars from phenomenological equations of state. Physical Review D, 2021, 103, . | 1.6 | 21 |
| 3106 | In-vacuum measurements of optical scatter versus annealing temperature for amorphous Ta2O5 and TiO2:Ta2O5 thin films. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2021, 38, 534. | 0.8 | 3 |
| 3107 | Rapid-response radio observations of short GRB 181123B with the Australia Telescope Compact Array. Monthly Notices of the Royal Astronomical Society, 2021, 503, 4372-4386. | 1.6 | 7 |
| 3108 | Recent LIGO-Virgo discoveries. Modern Physics Letters A, 2021, 36, 2130010. | 0.5 | 4 |
| 3109 | On the Progenitors of AM CVn Stars as LISA Sources: The Evolved Donor Star Channel. Astrophysical Journal, 2021, 910, 22. | 1.6 | 19 |
| 3110 | Surface and curvature properties of charged strangelets in compact objects. Physical Review C, 2021, 103, . | 1.1 | 12 |
| 3111 | Primordial black holes and secondary gravitational waves from the Higgs field. Physical Review D, 2021, 103, . | 1.6 | 26 |
| 3112 | Resonant shattering flares as multimessenger probes of the nuclear symmetry energy. Monthly Notices of the Royal Astronomical Society, 2021, 504, 1129-1143. | 1.6 | 15 |
| 3113 | Compact body in a tidal environment: New types of relativistic Love numbers, and a post-Newtonian operational definition for tidally induced multipole moments. Physical Review D, 2021, 103, . | 1.6 | 17 |
| 3114 | Perturbative deflection angle, gravitational lensing in the strong field limit and the black hole shadow. European Physical Journal C, 2021, 81, 1. | 1.4 | 7 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3115 | Probing hybrid stars with gravitational waves via interfacial modes. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 15 |
| 3116 | Lunar Gravitational-wave Antenna. <i>Astrophysical Journal</i> , 2021, 910, 1. | 1.6 | 41 |
| 3117 | Primordial black holes and scalar-induced secondary gravitational waves from inflationary models with a noncanonical kinetic term. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 46 |
| 3118 | Dynamical tides in neutron stars: the impact of the crust. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 1273-1293. | 1.6 | 15 |
| 3119 | Detection of gravitational waves using Bayesian neural networks. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 25 |
| 3120 | A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. <i>Astrophysical Journal</i> , 2021, 909, 218. | 1.6 | 144 |
| 3121 | Does GW170814 rule out non-tensorial gravitational wave polarization?. <i>Classical and Quantum Gravity</i> , 2021, 38, 085003. | 1.5 | 2 |
| 3122 | Scalar and tensor gravitational waves. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 19 |
| 3123 | Time series anomaly detection for gravitational-wave detectors based on the Hilbert–Huang transform. <i>Journal of the Korean Physical Society</i> , 2021, 78, 878-885. | 0.3 | 5 |
| 3124 | Sensitivity functions of spaceborne gravitational wave detectors for arbitrary time-delay interferometry combinations. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 15 |
| 3125 | Pure polarization test of GW170814 and GW170817 using waveforms consistent with modified theories of gravity. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 21 |
| 3126 | Unified interacting quark matter and its astrophysical implications. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 31 |
| 3127 | Search for Low-energy Electron Antineutrinos in KamLAND Associated with Gravitational Wave Events. <i>Astrophysical Journal</i> , 2021, 909, 116. | 1.6 | 12 |
| 3128 | Extensive studies of the neutron star equation of state from the deep learning inference with the observational data augmentation. <i>Journal of High Energy Physics</i> , 2021, 2021, 1. | 1.6 | 31 |
| 3129 | Low noise 400 W coherently combined single frequency laser beam for next generation gravitational wave detectors. <i>Optics Express</i> , 2021, 29, 10140. | 1.7 | 22 |
| 3130 | Gravitational and Electromagnetic Perturbations of a Charged Black Hole in a General Gauge Condition. <i>Particles</i> , 2021, 4, 106-128. | 0.5 | 1 |
| 3131 | Swift Follow-up Observations of Gravitational-wave and High-energy Neutrino Coincident Signals. <i>Astrophysical Journal</i> , 2021, 909, 126. | 1.6 | 5 |
| 3132 | Where Binary Neutron Stars Merge: Predictions from IllustrisTNG. <i>Astrophysical Journal</i> , 2021, 909, 207. | 1.6 | 4 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3133 | A deeper look into natural sciences with physics-based and data-driven measures. <i>IScience</i> , 2021, 24, 102171. | 1.9 | 5 |
| 3134 | Strong gravitational lensing by DHOST black holes. <i>Classical and Quantum Gravity</i> , 2021, 38, 075026. | 1.5 | 8 |
| 3135 | Constraint on phase transition with the multimessenger data of neutron stars. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 21 |
| 3136 | Surface of rapidly-rotating neutron stars: Implications to neutron star parameter estimation. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 11 |
| 3137 | Charged black hole mergers: orbit circularisation and chirp mass bias. <i>Classical and Quantum Gravity</i> , 2021, 38, 075017. | 1.5 | 12 |
| 3138 | Prospects of gravitational waves in the minimal left-right symmetric model. <i>Journal of High Energy Physics</i> , 2021, 2021, 1. | 1.6 | 13 |
| 3139 | Tidal dissipation impact on the eccentric onset of common envelope phases in massive binary star systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 5569-5582. | 1.6 | 12 |
| 3140 | Supermassive neutron stars rule out twin stars. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 24 |
| 3141 | Afterglow Constraints on the Viewing Angle of Binary Neutron Star Mergers and Determination of the Hubble Constant. <i>Astrophysical Journal</i> , 2021, 909, 114. | 1.6 | 30 |
| 3142 | Simulation Study of Heavy Ion Acceleration in J-PARC. , 2021, , . | | 0 |
| 3143 | Spritz: general relativistic magnetohydrodynamics with neutrinos. <i>Classical and Quantum Gravity</i> , 2021, 38, 085021. | 1.5 | 10 |
| 3144 | Plebański-Demiański solutions in quadratic gravity with conformally coupled scalar fields. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 15 |
| 3145 | Simulating the escape of entangled photons from the event horizon of black holes in nonuniform optical lattices. <i>Physical Review A</i> , 2021, 103, . | 1.0 | 9 |
| 3146 | Heavy Double Neutron Stars: Birth, Midlife, and Death. <i>Astrophysical Journal Letters</i> , 2021, 909, L19. | 3.0 | 24 |
| 3147 | K-dynamics: well-posed 1+1 evolutions in K-essence. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 072. | 1.9 | 20 |
| 3148 | Dynamics of Screening in Modified Gravity. <i>Physical Review Letters</i> , 2021, 126, 091102. | 2.9 | 23 |
| 3149 | Mapping the inhomogeneous Universe with standard sirens: degeneracy between inhomogeneity and modified gravity theories. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 3179-3193. | 1.6 | 9 |
| 3150 | Three-body effective potential in general relativity at second post-Minkowskian order and resulting post-Newtonian contributions. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 16 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3151 | Topology change and emergent scale symmetry in compact star matter via gravitational wave detection. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021, 64, 1. | 2.0 | 4 |
| 3152 | Common-spectrum process versus cross-correlation for gravitational-wave searches using pulsar timing arrays. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 24 |
| 3153 | Effect of hyperons on f -mode oscillations in neutron stars. <i>Physical Review C</i> , 2021, 103, . | 1.1 | 24 |
| 3154 | The H.E.S.S. gravitational wave rapid follow-up program. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 045. | 1.9 | 9 |
| 3155 | Transient-optimized real-bogus classification with Bayesian convolutional neural networks – sifting the GOTO candidate stream. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 4838-4854. | 1.6 | 19 |
| 3156 | Demonstration of a dual-pass differential Fabry-Perot interferometer for future interferometric space gravitational wave antennas. <i>Classical and Quantum Gravity</i> , 2021, 38, 085018. | 1.5 | 3 |
| 3157 | Astrophysics with heavy-ion beams. <i>Physica Scripta</i> , 2021, 96, 054002. | 1.2 | 7 |
| 3158 | Finding quark content of neutron stars in light of GW170817. <i>European Physical Journal: Special Topics</i> , 2021, 230, 551-559. | 1.2 | 16 |
| 3161 | Jointly fitting weak lensing, x-ray, and Sunyaev-Zeldovich data to constrain scalar-tensor theories with clusters of galaxies. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 6 |
| 3162 | Self-tuning kinetic gravity braiding: cosmological dynamics, shift symmetry, and the tadpole. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 079. | 1.9 | 7 |
| 3163 | Detecting resonant tidal excitations of Rossby modes in coalescing neutron-star binaries with third-generation gravitational-wave detectors. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 13 |
| 3164 | Overcharging a Reissner-Nordström Taub-NUT regular black hole. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021, 64, 1. | 2.0 | 15 |
| 3165 | Theoretical and observational constraints on regularized 4D Einstein-Gauss-Bonnet gravity. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 15 |
| 3166 | Axissymmetric models for neutron star merger remnants with realistic thermal and rotational profiles. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 16 |
| 3167 | Prospects of multimessenger astronomy in the next decades. <i>Journal of the Korean Physical Society</i> , 2021, 78, 918-922. | 0.3 | 1 |
| 3168 | Interpreting binary neutron star mergers: describing the binary neutron star dynamics, modelling gravitational waveforms, and analyzing detections. <i>General Relativity and Gravitation</i> , 2021, 53, 1. | 0.7 | 67 |
| 3169 | Weak gravity on a Λ CDM background. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 6 |
| 3170 | Follow-up of Astrophysical Transients in Real Time with the IceCube Neutrino Observatory. <i>Astrophysical Journal</i> , 2021, 910, 4. | 1.6 | 18 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3171 | Analysis of critical parameters for nonrelativistic models of symmetric nuclear matter. <i>Physical Review C</i> , 2021, 103, . | 1.1 | 0 |
| 3172 | Inflationary Solutions in the Simplest Gravity Model with Conformal Symmetry. <i>Physics of Particles and Nuclei Letters</i> , 2021, 18, 128-130. | 0.1 | 2 |
| 3173 | Shell-model based study of the direct capture in neutron-rich nuclei. <i>European Physical Journal A</i> , 2021, 57, 1. | 1.0 | 13 |
| 3174 | Detecting the gravito-magnetic field of the dark halo of the Milky Way - the LaDaHaD mission concept. <i>Experimental Astronomy</i> , 0, , 1. | 1.6 | 5 |
| 3175 | Constraining the density dependence of the symmetry energy with nuclear data and astronomical observations in the Korea-IBS-Daegu-SKKU framework. <i>Physical Review C</i> , 2021, 103, . | 1.1 | 20 |
| 3176 | Making light of gravitational-waves. <i>Astroparticle Physics</i> , 2021, 128, 102565. | 1.9 | 0 |
| 3177 | Analysis of strange quark stars in massive Brans-Dicke gravity. <i>International Journal of Modern Physics A</i> , 2021, 36, 2150054. | 0.5 | 0 |
| 3178 | Stellar Collapse Diversity and the Diffuse Supernova Neutrino Background. <i>Astrophysical Journal</i> , 2021, 909, 169. | 1.6 | 43 |
| 3179 | Tidal effects for spinning particles. <i>Journal of High Energy Physics</i> , 2021, 2021, 1. | 1.6 | 39 |
| 3180 | Spinning Black Holes Fall in Love. <i>Physical Review Letters</i> , 2021, 126, 131102. | 2.9 | 65 |
| 3181 | The best place and time to live in the Milky Way. <i>Astronomy and Astrophysics</i> , 2021, 647, A41. | 2.1 | 10 |
| 3182 | White dwarf stars in modified gravity. <i>International Journal of Geometric Methods in Modern Physics</i> , 2021, 18, 2140006. | 0.8 | 15 |
| 3183 | Reconstructing Masses of Merging Neutron Stars from Stellar r-process Abundance Signatures. <i>Astrophysical Journal</i> , 2021, 909, 21. | 1.6 | 13 |
| 3184 | QCD equation of state at finite chemical potentials for relativistic nuclear collisions. <i>International Journal of Modern Physics A</i> , 2021, 36, 2130007. | 0.5 | 27 |
| 3185 | Massive Λ -resonance admixed hypernuclear stars with antikaon condensations. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 24 |
| 3186 | Evolution of LMXBs under Different Magnetic Braking Prescriptions. <i>Astrophysical Journal</i> , 2021, 909, 174. | 1.6 | 46 |
| 3187 | A Possible Kilonova Powered by Magnetic Wind from a Newborn Black Hole. <i>Astrophysical Journal</i> , 2021, 911, 97. | 1.6 | 6 |
| 3188 | Template bank for spinning compact binary mergers in the second observation run of Advanced LIGO and the first observation run of Advanced Virgo. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 14 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3189 | Quasinormal modes for dynamical black holes. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 6 |
| 3190 | Strangeness-changing rates and hyperonic bulk viscosity in neutron star mergers. <i>Physical Review C</i> , 2021, 103, . | 1.1 | 13 |
| 3191 | Static spherically symmetric three-form stars. <i>European Physical Journal C</i> , 2021, 81, 1. | 1.4 | 5 |
| 3192 | GW170817 event rules out general relativity in favor of vector gravity. <i>European Physical Journal: Special Topics</i> , 2021, 230, 1149-1166. | 1.2 | 1 |
| 3193 | Detectability of "Merger-nova" Emission from a Long-lived Magnetar in Short Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2021, 912, 14. | 1.6 | 7 |
| 3194 | In-medium pion dispersion relation and medium correction of near the threshold energy of pion production *. <i>Chinese Physics C</i> , 2021, 45, 044109. | 1.5 | 1 |
| 3195 | The role of mass transfer and common envelope evolution in the formation of merging binary black holes. <i>Astronomy and Astrophysics</i> , 2021, 650, A107. | 2.1 | 80 |
| 3196 | The Late-time Radio Behavior of Gamma-ray Burst Afterglows: Testing the Standard Model. <i>Astrophysical Journal</i> , 2021, 911, 14. | 1.6 | 13 |
| 3197 | Gravitational Waves as Probes for Nuclear Physics. <i>Nuclear Physics News</i> , 2021, 31, 5-8. | 0.1 | 0 |
| 3198 | Primordial black holes and secondary gravitational waves from ultraslow roll and punctuated inflation. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 71 |
| 3199 | Tidal Love numbers of Kerr black holes. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 60 |
| 3200 | Optimizing serendipitous detections of kilonovae: cadence and filter selection. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 2822-2831. | 1.6 | 16 |
| 3201 | Axisymmetric Radiative Transfer Models of Kilonovae. <i>Astrophysical Journal</i> , 2021, 910, 116. | 1.6 | 67 |
| 3202 | Plasma effects in electron-beam-driven QED cascades. , 2021, , . | | 0 |
| 3203 | First Demonstration of Early Warning Gravitational-wave Alerts. <i>Astrophysical Journal Letters</i> , 2021, 910, L21. | 3.0 | 33 |
| 3204 | Genetic-algorithm-optimized neural networks for gravitational wave classification. <i>Neural Computing and Applications</i> , 2021, 33, 13859-13883. | 3.2 | 11 |
| 3205 | Constraints on the Time Variation of the Gravitational Constant Using Gravitational Wave Observations of Binary Neutron Stars. <i>Physical Review Letters</i> , 2021, 126, 141104. | 2.9 | 30 |
| 3206 | Statistical and systematic uncertainties in extracting the source properties of neutron star-black hole binaries with gravitational waves. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 12 |

| # | ARTICLE | IF | CITATIONS |
|------|---|------|-----------|
| 3207 | Mapping the Universe Expansion: Enabling Percent-level Measurements of the Hubble Constant with a Single Binary Neutron-star Merger Detection. <i>Astrophysical Journal Letters</i> , 2021, 912, L10. | 3.0 | 17 |
| 3208 | Binary pathways to SLSNe-I: SN 2017gci. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2021, 504, L51-L55. | 1.2 | 16 |
| 3209 | Equation-of-state Table with Hyperon and Antikaon for Supernova and Neutron Star Merger. <i>Astrophysical Journal</i> , 2021, 910, 96. | 1.6 | 13 |
| 3210 | Implications of feebly interacting dark sector on neutron star properties and constraints from GW170817. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 3354-3363. | 1.6 | 19 |
| 3211 | Was GW190814 a Black Holeâ€“Strange Quark Star System?. <i>Physical Review Letters</i> , 2021, 126, 162702. | 2.9 | 65 |
| 3212 | One Channel to Rule Them All? Constraining the Origins of Binary Black Holes Using Multiple Formation Pathways. <i>Astrophysical Journal</i> , 2021, 910, 152. | 1.6 | 177 |
| 3213 | A hybrid simulation of gravitational wave production in first-order phase transitions. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 014. | 1.9 | 30 |
| 3214 | On the measurement of the speed of gravitational waves. <i>European Physical Journal Plus</i> , 2021, 136, 1. | 1.2 | 0 |
| 3215 | Perturbations and quasinormal modes of black holes with time-dependent scalar hair in shift-symmetric scalar-tensor theories. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 17 |
| 3216 | Deep exploration for continuous gravitational waves at 171â€“172ÂHz in LIGO second observing run data. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 15 |
| 3217 | Gravitational-wave physics and astronomy in the 2020s and 2030s. <i>Nature Reviews Physics</i> , 2021, 3, 344-366. | 11.9 | 96 |
| 3218 | Unified weak and strong coupling framework for nuclear matter and neutron stars. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 31 |
| 3219 | Coherence scale of magnetic fields generated in early-time forward shocks of GRBs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 2662-2674. | 1.6 | 7 |
| 3220 | Testing the quasar Hubble diagram with LISA standard sirens. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 30 |
| 3221 | Investigation of χ^{-n} ($S=-2$) hypernucleus in low-energy pionless halo effective theory. <i>European Physical Journal: Special Topics</i> , 2021, 230, 579. | 1.2 | 1 |
| 3222 | A machine learning approach for GRB detection in <i>AstroSat</i> CZTI data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 3084-3091. | 1.6 | 2 |
| 3223 | Probing the Symmetry Energy with the Spectral Pion Ratio. <i>Physical Review Letters</i> , 2021, 126, 162701. | 2.9 | 95 |
| 3224 | Modeling and searching for a stochastic gravitational-wave background from ultralight vector bosons. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 37 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3225 | Implications of PREX-2 on the Equation of State of Neutron-Rich Matter. <i>Physical Review Letters</i> , 2021, 126, 172503. | 2.9 | 295 |
| 3226 | Detection of low-frequency gravitational waves. <i>Journal of the Korean Physical Society</i> , 2021, 78, 886-891. | 0.3 | 1 |
| 3227 | Equation of state of asymmetric nuclear matter and the tidal deformability of neutron star. <i>European Physical Journal A</i> , 2021, 57, 1. | 1.0 | 4 |
| 3228 | Probing Elastic Quark Phases in Hybrid Stars with Radius Measurements. <i>Astrophysical Journal</i> , 2021, 910, 145. | 1.6 | 13 |
| 3229 | Gravitational waves in Brans-Dicke theory with a cosmological constant. <i>European Physical Journal C</i> , 2021, 81, 1. | 1.4 | 6 |
| 3230 | Quark-hadron crossover equations of state for neutron stars: Constraining the chiral invariant mass in a parity doublet model. <i>Physical Review C</i> , 2021, 103, . | 1.1 | 19 |
| 3231 | Characteristics of interaction between gravitons and photons. <i>European Physical Journal Plus</i> , 2021, 136, 1. | 1.2 | 3 |
| 3232 | The Role of Strong Gravity and the Nuclear Equation of State on Neutron-star Common-envelope Accretion. <i>Astrophysical Journal Letters</i> , 2021, 910, L22. | 3.0 | 5 |
| 3233 | Possibility of primordial black holes as the source of gravitational wave events in the advanced LIGO detector. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 8 |
| 3234 | Limiting masses and radii of neutron stars and their implications. <i>Physical Review C</i> , 2021, 103, . | 1.1 | 76 |
| 3235 | SPHINCS_BSSN: a general relativistic smooth particle hydrodynamics code for dynamical spacetimes. <i>Classical and Quantum Gravity</i> , 2021, 38, 115002. | 1.5 | 15 |
| 3236 | Stability analysis of the spin evolution fixed points in inspiraling compact binaries with black hole, neutron star, gravastar, or boson star components. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 3 |
| 3237 | Neutron stars harboring a primordial black hole: Maximum survival time. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 10 |
| 3238 | The I-Love-Q Relations for Superfluid Neutron Stars. <i>Universe</i> , 2021, 7, 111. | 0.9 | 9 |
| 3239 | PHEMTO: the polarimetric high energy modular telescope observatory. <i>Experimental Astronomy</i> , 2021, 51, 1143-1173. | 1.6 | 0 |
| 3240 | Thermal evolution of relativistic hyperonic compact stars with calibrated equations of state. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 25 |
| 3241 | Laser interferometer in presence of scalar field on gravitational wave background. <i>Classical and Quantum Gravity</i> , 2021, 38, 105010. | 1.5 | 2 |
| 3242 | The effect of floating-point precision on narrow-band all-sky continuous gravitational-wave search algorithm. <i>Astronomy and Computing</i> , 2021, 35, 100452. | 0.8 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3243 | Spin angular momentum of gravitational wave interference. <i>New Journal of Physics</i> , 2021, 23, 043035. | 1.2 | 4 |
| 3244 | Quadratic degenerate higher-order scalar-tensor theories revisited. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 7 |
| 3245 | Gravitational Wave Physics and Astronomy in the nascent era. <i>Progress of Theoretical and Experimental Physics</i> , 0, , . | 1.8 | 3 |
| 3246 | Multimessenger Binary Mergers Containing Neutron Stars: Gravitational Waves, Jets, and $\hat{\Gamma}^3$ -Ray Bursts. <i>Frontiers in Astronomy and Space Sciences</i> , 2021, 8, . | 1.1 | 17 |
| 3247 | Hubble parameter estimation via dark sirens with the LISA-Taiji network. <i>National Science Review</i> , 2022, 9, nwab054. | 4.6 | 22 |
| 3248 | Characterization of lensing selection effects for LISA massive black hole binary mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 3610-3618. | 1.6 | 21 |
| 3249 | Spin and quadrupolar effects in the secular evolution of precessing compact binaries with black hole, neutron star, gravastar, or boson star components. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 2 |
| 3250 | New effective precession spin for modeling multimodal gravitational waveforms in the strong-field regime. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 17 |
| 3251 | Gravitational wave detection with photometric surveys. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 12 |
| 3252 | Geometric Distances of Quasars Measured by Spectroastrometry and Reverberation Mapping: Monte Carlo Simulations. <i>Astrophysical Journal, Supplement Series</i> , 2021, 253, 57. | 3.0 | 4 |
| 3253 | Bayesian inverse problem of rotating neutron stars. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 7 |
| 3254 | Search for continuous gravitational waves from ten H.E.S.S. sources using a hidden Markov model. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 11 |
| 3255 | New Spin on LIGO-Virgo Binary Black Holes. <i>Physical Review Letters</i> , 2021, 126, 171103. | 2.9 | 23 |
| 3256 | Binary neutron star merger simulations with hot microscopic equations of state. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 11 |
| 3257 | Probing the Skin of a Lead Nucleus. <i>Physics Magazine</i> , 0, 14, . | 0.1 | 1 |
| 3258 | Gravitational waves in Kasner spacetimes and Rindler wedges in Regge-Wheeler gauge: Formulation of Unruh effect. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 3 |
| 3259 | Gravitational wave scattering theory without large-distance asymptotics. <i>Annals of Physics</i> , 2021, 427, 168424. | 1.0 | 4 |
| 3260 | The X-ray luminosity function of short gamma-ray bursts. <i>Astrophysics and Space Science</i> , 2021, 366, 1. | 0.5 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3261 | On the Detectability of Ultracompact Binary Pulsar Systems. <i>Astrophysical Journal</i> , 2021, 912, 22. | 1.6 | 4 |
| 3262 | Metastable hypermassive hybrid stars as neutron-star merger remnants. <i>European Physical Journal: Special Topics</i> , 2021, 230, 543-550. | 1.2 | 5 |
| 3263 | High-energy Neutrinos from Choked Gamma-Ray Bursts in Active Galactic Nucleus Accretion Disks. <i>Astrophysical Journal Letters</i> , 2021, 911, L19. | 3.0 | 18 |
| 3264 | Scattering Amplitudes and Conservative Binary Dynamics at $\mathcal{O}(\epsilon^4)$. <i>Physical Review D</i> , 2021, 103, 084011. | 2.9 | 147 |
| 3265 | Variability, periodicity, and contact binaries in <i>WISE</i> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 3975-3991. | 1.6 | 15 |
| 3266 | Variation of the $\hat{\rho}$ baryon mass and hybrid star properties in static and rotating conditions. <i>Physical Review C</i> , 2021, 103, . | 1.1 | 12 |
| 3267 | Constraining theories of gravity by GINGER experiment. <i>European Physical Journal Plus</i> , 2021, 136, 1. | 1.2 | 18 |
| 3268 | LIGO detector characterization in the second and third observing runs. <i>Classical and Quantum Gravity</i> , 2021, 38, 135014. | 1.5 | 128 |
| 3269 | QCD equations of state and speed of sound in neutron stars. <i>AAPPS Bulletin</i> , 2021, 31, 1. | 2.7 | 40 |
| 3271 | Thermal behavior of a radially deformed black hole spacetime. <i>European Physical Journal C</i> , 2021, 81, 1. | 1.4 | 0 |
| 3272 | High frequency background gravitational waves from spontaneous emission of gravitons by hydrogen and helium. <i>European Physical Journal C</i> , 2021, 81, 1. | 1.4 | 2 |
| 3273 | Recent Observations of Gravitational Waves by LIGO and Virgo Detectors. <i>Universe</i> , 2021, 7, 137. | 0.9 | 4 |
| 3274 | Detectability of continuous gravitational waves from isolated neutron stars in the Milky Way. <i>Astronomy and Astrophysics</i> , 2021, 649, A92. | 2.1 | 12 |
| 3275 | An even lighter QCD axion. <i>Journal of High Energy Physics</i> , 2021, 2021, 1. | 1.6 | 51 |
| 3276 | Numerical study of stellar core collapse and neutrino emission using the nuclear equation of state obtained by the variational method. <i>Publication of the Astronomical Society of Japan</i> , 2021, 73, 639-651. | 1.0 | 12 |
| 3277 | Einstein's "Gauss-Bonnet" gravity: Is it compatible with modern cosmology?. <i>Physics of the Dark Universe</i> , 2021, 32, 100799. | 1.8 | 12 |
| 3278 | Estimate of the detectability of the circular polarization signature of supernova gravitational waves using the Stokes parameters. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 2 |
| 3279 | Gravitation and the Universe from large scale-structures. <i>Experimental Astronomy</i> , 2021, 51, 1623-1640. | 1.6 | 5 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3280 | Signatures of r-process Elements in Kilonova Spectra. <i>Astrophysical Journal</i> , 2021, 913, 26. | 1.6 | 40 |
| 3281 | Space fabric wrinkles: history of observational searches for exotic structures in the Universe. <i>Rivista Del Nuovo Cimento</i> , 2021, 44, 397-451. | 2.0 | 2 |
| 3282 | Selection rules for the decay of a particle into two identical massless particles of any spin. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 3 |
| 3283 | Dynamical stability of the modified Tolman VII solution. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 7 |
| 3284 | Tight multimessenger constraints on the neutron star equation of state from GW170817 and a forward model for kilonova light-curve synthesis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 3016-3032. | 1.6 | 49 |
| 3285 | Convolutional neural networks for the detection of the early inspiral of a gravitational-wave signal. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 20 |
| 3286 | Targeting Bright Metal-poor Stars in the Disk and Halo Systems of the Galaxy. <i>Astrophysical Journal</i> , 2021, 913, 11. | 1.6 | 18 |
| 3287 | Gravitational waves from dark Yang-Mills sectors. <i>Journal of High Energy Physics</i> , 2021, 2021, 1. | 1.6 | 31 |
| 3288 | A unicorn in monoceros: the 3σ dark companion to the bright, nearby red giant V723 Mon is a non-interacting, mass-gap black hole candidate. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 2577-2602. | 1.6 | 70 |
| 3289 | Astrophysical and Theoretical Physics Implications from Multimessenger Neutron Star Observations. <i>Physical Review Letters</i> , 2021, 126, 181101. | 2.9 | 69 |
| 3290 | Axions: From magnetars and neutron star mergers to beam dumps and BECs. <i>International Journal of Modern Physics D</i> , 2021, 30, 2130002. | 0.9 | 15 |
| 3291 | Neutron stars phenomenology with scalar-tensor inflationary attractors. <i>Physics of the Dark Universe</i> , 2021, 32, 100805. | 1.8 | 33 |
| 3292 | Neutron Star Mergers and Gamma-Ray Bursts: Stripping Model. <i>Astronomy Reports</i> , 2021, 65, 385-391. | 0.2 | 10 |
| 3293 | Transformation of primordial cosmological perturbations under the general extended disformal transformation. <i>International Journal of Modern Physics D</i> , 2021, 30, 2150057. | 0.9 | 7 |
| 3294 | On the sound speed in hyperonic stars. <i>Nuclear Physics A</i> , 2021, 1009, 122157. | 0.6 | 17 |
| 3295 | Orbital effects on time delay interferometry for TianQin. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 9 |
| 3296 | Influence of bulk mass distribution on orbital precession of S2 star in Yukawa gravity. <i>European Physical Journal D</i> , 2021, 75, 1. | 0.6 | 10 |
| 3297 | Tidal-heating and viscous dissipation correspondence in black holes and viscous compact objects. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 5 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3298 | Effects of high density phase transitions on neutron star dynamics. <i>Classical and Quantum Gravity</i> , 2021, 38, 115007. | 1.5 | 22 |
| 3299 | Necessity of self-consistent calculations for the electromagnetic field in probing the nuclear symmetry energy using pion observables in heavy-ion collisions. <i>Physical Review C</i> , 2021, 103, . | 1.1 | 2 |
| 3300 | Nested sampling with normalizing flows for gravitational-wave inference. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 36 |
| 3301 | Poking Holes: Looking for Gaps in LIGO/Virgo's Black Hole Population. <i>Astrophysical Journal Letters</i> , 2021, 913, L23. | 3.0 | 20 |
| 3302 | Search for dormant black holes in ellipsoidal variables – III. The OGLE BULGE short-period sample. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 5907-5918. | 1.6 | 7 |
| 3303 | Gravitational-wave detector networks: standard sirens on cosmology and modified gravity theory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 044. | 1.9 | 25 |
| 3304 | Quark matter and quark stars in a quasiparticle model. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 16 |
| 3305 | Einstein-Ätther gravity in the light of event horizon telescope observations of M87*. <i>Physics of the Dark Universe</i> , 2021, 32, 100835. | 1.8 | 46 |
| 3306 | Inner horizon instability and the unstable cores of regular black holes. <i>Journal of High Energy Physics</i> , 2021, 2021, 1. | 1.6 | 43 |
| 3307 | AT2017gfo: Bayesian inference and model selection of multicomponent kilonovae and constraints on the neutron star equation of state. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 1661-1677. | 1.6 | 63 |
| 3308 | Cosmological constraints on Ho's gravity revised in light of GW170817 and GRB170817A and the degeneracy with massive neutrinos. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 12 |
| 3309 | Fast Ejecta as a Potential Way to Distinguish Black Holes from Neutron Stars in High-mass Gravitational-wave Events. <i>Astrophysical Journal</i> , 2021, 912, 80. | 1.6 | 18 |
| 3310 | Probing gravity and growth of structure with gravitational waves and galaxies' peculiar velocity. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 16 |
| 3311 | Cosmological test of an extended quintessence model. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 2 |
| 3312 | Nuclear pasta and symmetry energy in the relativistic point-coupling model. <i>Physical Review C</i> , 2021, 103, . | 1.1 | 7 |
| 3313 | Constraining Dense Matter Physics Using f-Mode Oscillations in Neutron Stars. <i>Physics</i> , 2021, 3, 302-319. | 0.5 | 4 |
| 3314 | Equation of state and radial oscillations of neutron stars. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 16 |
| 3315 | Thermal effects in hot and dilute homogeneous asymmetric nuclear matter. <i>Physical Review C</i> , 2021, 103, . | 1.1 | 4 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3316 | Hybrid stars can be self-bound. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 1 |
| 3317 | Charged black hole solutions with Toroidal horizons in $f(R)$ -gravity surrounded by quintessence and cloud of strings: Effective potential barrier, quasinormal modes. <i>International Journal of Geometric Methods in Modern Physics</i> , 2021, 18, 2150116. | 0.8 | 1 |
| 3318 | Gravity with a generalized conformal scalar field: Theory and solutions. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 37 |
| 3319 | Ultracompact binary pulsars as continuous dual-line gravitational wave sources. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 5 |
| 3320 | Sky localization of space-based gravitational wave detectors. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 15 |
| 3321 | GW190814: on the properties of the secondary component of the binary. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 1600-1606. | 1.6 | 36 |
| 3322 | Rotating neutron stars with quark cores. <i>Physical Review C</i> , 2021, 103, . | 1.1 | 20 |
| 3323 | Spectral separation of the stochastic gravitational-wave background for LISA: Observing both cosmological and astrophysical backgrounds. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 37 |
| 3324 | The Emergence of Structure in the Binary Black Hole Mass Distribution. <i>Astrophysical Journal Letters</i> , 2021, 913, L19. | 3.0 | 47 |
| 3325 | Confusing Head-On Collisions with Precessing Intermediate-Mass Binary Black Hole Mergers. <i>Physical Review Letters</i> , 2021, 126, 201101. | 2.9 | 46 |
| 3326 | LION: laser interferometer on the moon. <i>Classical and Quantum Gravity</i> , 2021, 38, 125008. | 1.5 | 2 |
| 3327 | The astro-primordial black hole merger rates: a reappraisal. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 039. | 1.9 | 22 |
| 3328 | Thermodynamical Description of Hot, Rapidly Rotating Neutron Stars, Protoneutron Stars, and Neutron Star Merger Remnants. <i>Astrophysical Journal</i> , 2021, 912, 69. | 1.6 | 19 |
| 3329 | Simulation of the gravitational wave frequency distribution of neutron star-black hole mergers. <i>Chinese Physics B</i> , 0, , . | 0.7 | 0 |
| 3330 | Reliability of parameter estimates in the first observing run of Advanced LIGO. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 1 |
| 3331 | Rapid and robust parameter inference for binary mergers. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 21 |
| 3332 | Towards mitigation of apparent tension between nuclear physics and astrophysical observations by improved modeling of neutron star matter. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 42 |
| 3333 | Gravitational-wave polarizations in generic linear massive gravity and generic higher-curvature gravity. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 9 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3334 | GW190814 follow-up with the optical telescope MeerLICHT. <i>Astronomy and Astrophysics</i> , 2021, 649, A72. | 2.1 | 15 |
| 3335 | Tidal deformability of strange stars and the GW170817 event. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 17 |
| 3336 | Reconstruction method in the kinetic gravity braiding theory with shift-symmetric. <i>European Physical Journal Plus</i> , 2021, 136, 1. | 1.2 | 6 |
| 3337 | Approaching quantum-limited phase tracking with a large photon flux in a fiber Mach-Zehnder interferometer. <i>Quantum Information Processing</i> , 2021, 20, 1. | 1.0 | 1 |
| 3338 | \hat{I}^2 -delayed neutron emission of r-process nuclei at the $N=82$ shell closure. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 816, 136266. | 1.5 | 21 |
| 3339 | Cosmological model selection from standard siren detections by third-generation gravitational wave observatories. <i>Physics of the Dark Universe</i> , 2021, 32, 100830. | 1.8 | 5 |
| 3340 | Nuclear pasta structures and symmetry energy. <i>Physical Review C</i> , 2021, 103, . | 1.1 | 13 |
| 3341 | Gravitational Bremsstrahlung from Reverse Unitarity. <i>Physical Review Letters</i> , 2021, 126, 201602. | 2.9 | 90 |
| 3342 | Decoupled Embedding Class-One Strange Stars in Self-Interacting Brans-Dicke Gravity. <i>Universe</i> , 2021, 7, 161. | 0.9 | 6 |
| 3343 | Anisotropic cosmological models in Horndeski gravity. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 11 |
| 3344 | 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. | 1.6 | 24 |
| 3345 | Consistency of Cubic Galileon Cosmology: Model-Independent Bounds from Background Expansion and Perturbative Analyses. <i>Universe</i> , 2021, 7, 167. | 0.9 | 2 |
| 3346 | Sound velocity in dense stellar matter with strangeness and compact stars *. <i>Chinese Physics C</i> , 2021, 45, 055104. | 1.5 | 26 |
| 3347 | Search for event bursts in XMASS-I associated with gravitational-wave events. <i>Astroparticle Physics</i> , 2021, 129, 102568. | 1.9 | 3 |
| 3348 | Calibration of the Advanced Spectral Leakage scheme for neutron star merger simulations, and extension to smoothed-particle hydrodynamics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 2575-2593. | 1.6 | 8 |
| 3349 | Radio afterglows from compact binary coalescences: prospects for next-generation telescopes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 2647-2661. | 1.6 | 8 |
| 3350 | Interpreting the spectral lags of single-pulsed gamma-ray bursts via the photosphere in the jet model. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2021, 505, L26-L30. | 1.2 | 3 |
| 3351 | Gravitational waves in neutrino plasma and NANOGrav signal. <i>European Physical Journal C</i> , 2021, 81, 1. | 1.4 | 11 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3352 | General-relativistic hydrodynamics of non-perfect fluids: 3+1 conservative formulation and application to viscous black hole accretion. Monthly Notices of the Royal Astronomical Society, 2021, 505, 5910-5940. | 1.6 | 20 |
| 3353 | Progenitors of low-mass binary black-hole mergers in the isolated binary evolution scenario. Astronomy and Astrophysics, 2021, 649, A114. | 2.1 | 20 |
| 3354 | Constraints on the Maximum Mass of Neutron Stars with a Quark Core from GW170817 and NICER PSR J0030+0451 Data. Astrophysical Journal, 2021, 913, 27. | 1.6 | 42 |
| 3355 | Gravity gradient noise from asteroids. Physical Review D, 2021, 103, . | 1.6 | 14 |
| 3356 | Nuclear astrophysics in our time: supernovae, neutron stars and binary neutron star mergers. European Physical Journal: Special Topics, 2021, 230, 1-3. | 1.2 | 0 |
| 3357 | Constraining nuclear matter parameters from correlation systematics: a mean-field perspective. European Physical Journal: Special Topics, 2021, 230, 517. | 1.2 | 7 |
| 3358 | Gravitational Decoherence and the Possibility of Its Interferometric Detection. Physical Review Letters, 2021, 126, 200403. | 2.9 | 7 |
| 3359 | Extreme r-process Enhanced Stars at High Metallicity in Fornax*. Astrophysical Journal, 2021, 912, 157. | 1.6 | 13 |
| 3360 | Light-ray operators, detectors and gravitational event shapes. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 18 |
| 3361 | Distinguishing Tidal Disruption Events from Impostors. Space Science Reviews, 2021, 217, 1. | 3.7 | 25 |
| 3362 | Classical Gravitational Bremsstrahlung from a Worldline Quantum Field Theory. Physical Review Letters, 2021, 126, 201103. | 2.9 | 96 |
| 3363 | Maximum mass of compact stars from gravitational wave events with finite-temperature equations of state. Physical Review C, 2021, 103, . | 1.1 | 30 |
| 3364 | Gravitational wave complementarity and impact of NANOGrav data on gravitational leptogenesis. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 53 |
| 3365 | Deep learning for gravitational wave forecasting of neutron star mergers. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 816, 136185. | 1.5 | 29 |
| 3366 | Hierarchical black hole mergers in young, globular and nuclear star clusters: the effect of metallicity, spin and cluster properties. Monthly Notices of the Royal Astronomical Society, 2021, 505, 339-358. | 1.6 | 77 |
| 3367 | High angular resolution gravitational wave astronomy. Experimental Astronomy, 2021, 51, 1441-1470. | 1.6 | 21 |
| 3368 | Search for electron-antineutrinos associated with gravitational-wave events GW150914, GW151012, GW151226, GW170104, GW170608, GW170814, and GW170817 at Daya Bay *. Chinese Physics C, 2021, 45, 055001. | 1.5 | 1 |
| 3369 | Measuring the primordial gravitational wave background in the presence of other stochastic signals. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 052. | 1.9 | 9 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3370 | Light-curve classification with recurrent neural networks for GOTO: dealing with imbalanced data. Monthly Notices of the Royal Astronomical Society, 2021, 505, 4345-4361. | 1.6 | 17 |
| 3371 | Neutrino propagation in winds around the central engine of sGRB. Monthly Notices of the Royal Astronomical Society, 2021, 505, 4968-4980. | 1.6 | 1 |
| 3372 | Probing new light gauge bosons with gravitational-wave interferometers using an adapted semicoherent method. Physical Review D, 2021, 103, . | 1.6 | 18 |
| 3373 | The Fermi-GBM Gamma-Ray Burst Spectral Catalog: 10 yr of Data. Astrophysical Journal, 2021, 913, 60. | 1.6 | 49 |
| 3374 | Multimessenger Signals from Black Hole–Neutron Star Mergers without Significant Tidal Disruption. Astrophysical Journal Letters, 2021, 912, L18. | 3.0 | 15 |
| 3375 | Leading nonlinear tidal effects and scattering amplitudes. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 60 |
| 3376 | Weighing stars from birth to death: mass determination methods across the HRD. Astronomy and Astrophysics Review, 2021, 29, 1. | 9.1 | 38 |
| 3377 | Observability of inflated companion stars after supernovae in massive binaries. Monthly Notices of the Royal Astronomical Society, 2021, 505, 2485-2499. | 1.6 | 22 |
| 3378 | Seismic glitchness at Sos Enattos site: impact on intermediate black hole binaries detection efficiency. European Physical Journal Plus, 2021, 136, 1. | 1.2 | 5 |
| 3379 | Universal time delay in static spherically symmetric spacetimes for null and timelike signals. Chinese Physics C, 0, , . | 1.5 | 6 |
| 3380 | Accuracy of parameter estimations with a spaceborne gravitational wave observatory. Physical Review D, 2021, 103, . | 1.6 | 10 |
| 3381 | Gravitational waves from colliding vacuum bubbles in gauge theories. European Physical Journal C, 2021, 81, 1. | 1.4 | 43 |
| 3382 | Abundance Patterns of $\hat{L}\pm$ and Neutron-capture Elements in the Helmi Stream. Astrophysical Journal Letters, 2021, 913, L28. | 3.0 | 21 |
| 3383 | Primordial black holes and secondary gravitational waves from chaotic inflation. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1. | 2.0 | 23 |
| 3384 | Robust approach to thermal resummation: Standard Model meets a singlet. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 38 |
| 3385 | Constraints on the kinetic energy of type-Ic supernova explosion from young PSR J1906 + 0746 in a double neutron star candidate*. Chinese Physics B, 2021, 30, 068703. | 0.7 | 0 |
| 3386 | Experimental tests of rotation sensitivity in Cosserat elasticity and in gravitation. Zeitschrift Fur Angewandte Mathematik Und Physik, 2021, 72, 1. | 0.7 | 1 |
| 3387 | Effects of oscillating spacetime metric background on a complex scalar field and formation of topological vortices. Physical Review D, 2021, 103, . | 1.6 | 3 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3388 | Topology change, emergent symmetries and compact star matter. AAPS Bulletin, 2021, 31, 1. | 2.7 | 7 |
| 3389 | Gravitational-wave Lunar Observatory for Cosmology. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 044. | 1.9 | 19 |
| 3390 | Targeted Modeling of GW150914's Binary Black Hole Source with Dart_board. Astrophysical Journal Letters, 2021, 914, L32. | 3.0 | 6 |
| 3391 | Hybrid neutron stars in the mass-radius diagram. Astronomische Nachrichten, 2021, 342, 819-825. | 0.6 | 20 |
| 3392 | Cosmological perturbations in Gauss-Bonnet quasi-dilaton massive gravity. Physical Review D, 2021, 103, . | 1.6 | 19 |
| 3393 | Electric Dipole Polarizability of Neutron Rich Nuclei. Annalen Der Physik, 0, , 2100185. | 0.9 | 1 |
| 3394 | coherent WaveBurst, a pipeline for unmodeled gravitational-wave data analysis. SoftwareX, 2021, 14, 100678. | 1.2 | 37 |
| 3395 | Hybrid stars in the light of the merging event GW170817. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 042. | 1.9 | 16 |
| 3396 | Continuous Gravitational-Wave Data Analysis with General Purpose Computing on Graphic Processing Units. Universe, 2021, 7, 218. | 0.9 | 4 |
| 3397 | Waveform systematics in the gravitational-wave inference of tidal parameters and equation of state from binary neutron-star signals. Physical Review D, 2021, 103, . | 1.6 | 37 |
| 3398 | Thermonuclear Explosions and Accretion-induced Collapses of White Dwarfs in Active Galactic Nucleus Accretion Disks. Astrophysical Journal Letters, 2021, 914, L19. | 3.0 | 20 |
| 3399 | The first 5 years of gravitational-wave astrophysics. Science, 2021, 372, . | 6.0 | 8 |
| 3400 | Effect of gravitational wave on shadow of a Schwarzschild black hole. European Physical Journal C, 2021, 81, 1. | 1.4 | 8 |
| 3401 | Comparison of different approaches to the quasi-static approximation in Horndeski models. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 017. | 1.9 | 14 |
| 3402 | Observation of Gravitational Waves from Two Neutron Star-Black Hole Coalescences. Astrophysical Journal Letters, 2021, 915, L5. | 3.0 | 453 |
| 3403 | Neutron star mergers as the astrophysical site of the r-process in the Milky Way and its satellite galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 505, 5862-5883. | 1.6 | 24 |
| 3404 | A method for detecting continuous gravitational wave signals from an ensemble of known pulsars. Classical and Quantum Gravity, 2021, 38, 135021. | 1.5 | 5 |
| 3405 | Multipolar particles in helically symmetric spacetimes. Classical and Quantum Gravity, 2021, 38, 135022. | 1.5 | 3 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3406 | Continued Radio Observations of GW170817 3.5 yr Post-merger. <i>Astrophysical Journal Letters</i> , 2021, 914, L20. | 3.0 | 33 |
| 3407 | Propagation of gravitational waves in various cosmological backgrounds. <i>General Relativity and Gravitation</i> , 2021, 53, 1. | 0.7 | 4 |
| 3408 | On the Binary Neutron Star Post-merger Magnetar Origin of XRT 210423. <i>Astrophysical Journal Letters</i> , 2021, 915, L11. | 3.0 | 7 |
| 3409 | Probing modified gravitational-wave propagation through tidal measurements of binary neutron star mergers. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 9 |
| 3410 | Vortices penetrating two-flavor quark-hadron continuity. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 6 |
| 3411 | NNETFIX: an artificial neural network-based denoising engine for gravitational-wave signals. <i>Machine Learning: Science and Technology</i> , 2021, 2, 035018. | 2.4 | 5 |
| 3412 | Surrogate model for gravitational waveforms of spin-aligned binary black holes with eccentricities. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 18 |
| 3413 | Enhancing modified gravity detection from gravitational-wave observations using the parametrized ringdown spin expansion coefficients formalism. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 24 |
| 3414 | The dimensional reduction of linearized spin-2 theories invariant under transverse diffeomorphisms. <i>European Physical Journal C</i> , 2021, 81, 1. | 1.4 | 2 |
| 3415 | Hadronâ€“quark phase transition in the context of GW190814. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2021, 48, 085201. | 1.4 | 14 |
| 3416 | Progress in Constraining Nuclear Symmetry Energy Using Neutron Star Observables Since GW170817. <i>Universe</i> , 2021, 7, 182. | 0.9 | 100 |
| 3417 | Assessing the impact of transient orbital resonances. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 24 |
| 3418 | Matter power spectrum emulator for f . modified gravity cosmologies. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 19 |
| 3419 | Extremely high-order convergence in simulations of relativistic stars. <i>Classical and Quantum Gravity</i> , 2021, 38, 145003. | 1.5 | 0 |
| 3420 | Environmental noise in advanced LIGO detectors. <i>Classical and Quantum Gravity</i> , 2021, 38, 145001. | 1.5 | 38 |
| 3421 | Neutron star collisions and gravitational waves. <i>Astronomische Nachrichten</i> , 2021, 342, 788-798. | 0.6 | 1 |
| 3422 | From cosmic matter to the laboratory. <i>Astronomische Nachrichten</i> , 2021, 342, 808-818. | 0.6 | 2 |
| 3423 | High-dimensional Schwarzschild black holes in scalarâ€“tensorâ€“vector gravity theory. <i>European Physical Journal C</i> , 2021, 81, 1. | 1.4 | 3 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3424 | Magnetized discs and photon rings around Yukawa-like black holes. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 15 |
| 3425 | Predicting electromagnetic counterparts using low-latency gravitational-wave data products. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 4235-4248. | 1.6 | 9 |
| 3426 | Observational constraints in metric-affine gravity. <i>European Physical Journal C</i> , 2021, 81, 1. | 1.4 | 21 |
| 3427 | Exploring the potentiality of future standard candles and standard sirens to detect cosmic opacity *. <i>Chinese Physics C</i> , 2021, 45, 065104. | 1.5 | 4 |
| 3428 | Multi-messenger astronomy with INTEGRAL. <i>New Astronomy Reviews</i> , 2021, 92, 101595. | 5.2 | 6 |
| 3429 | Electron wave functions in beta-decay formulas revisited (I): Gamowâ€™Teller and spin-dipole contributions to allowed and first-forbidden transitions. <i>Progress of Theoretical and Experimental Physics</i> , 2021, 2021, . | 1.8 | 3 |
| 3430 | Evolution of bare quark stars in full general relativity: Single star case. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 4 |
| 3431 | Imprint of ultralight vector fields on gravitational wave propagation. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 3 |
| 3432 | g -mode oscillations in hybrid stars: A tale of two sounds. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 25 |
| 3433 | Quasinormal modes and shadows of a new family of $Ay\tilde{A}^3n$ -Beato-GarcÃa black holes. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 15 |
| 3434 | Gravitational-wave physics with Cosmic Explorer: Limits to low-frequency sensitivity. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 37 |
| 3435 | Algorithm for time-delay interferometry numerical simulation and sensitivity investigation. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 12 |
| 3436 | Primordial black hole merger rate in ellipsoidal-collapse dark matter halo models. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 13 |
| 3437 | Enhancing interferometer sensitivity without sacrificing bandwidth and stability: Beyond single-mode and resolved-sideband approximation. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 8 |
| 3438 | A search for radio emission from double-neutron star merger GW190425 using Apertif. <i>Astronomy and Astrophysics</i> , 2021, 650, A131. | 2.1 | 13 |
| 3439 | Hybrid stars with large strange quark cores constrained by GW170817. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 11 |
| 3440 | The Heraklion Extragalactic Catalogue (HECATE): a value-added galaxy catalogue for multimessenger astrophysics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 1896-1915. | 1.6 | 17 |
| 3441 | DQSEGDB: A time-interval database for storing gravitational wave observatory metadata. <i>SoftwareX</i> , 2021, 14, 100677. | 1.2 | 8 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3442 | Neutrino Fast Flavor Conversions in Neutron-Star Postmerger Accretion Disks. <i>Physical Review Letters</i> , 2021, 126, 251101. | 2.9 | 61 |
| 3443 | GWTC-2: Compact Binary Coalescences Observed by LIGO and Virgo during the First Half of the Third Observing Run. <i>Physical Review X</i> , 2021, 11, . | 2.8 | 1,097 |
| 3444 | From Finite Nuclei to Neutron Stars: The Essential Role of High-Order Density Dependence in Effective Forces. <i>Chinese Physics Letters</i> , 2021, 38, 052101. | 1.3 | 9 |
| 3445 | Generalised gravitational wave burst generation with generative adversarial networks. <i>Classical and Quantum Gravity</i> , 2021, 38, 155005. | 1.5 | 11 |
| 3446 | Proca-stinated cosmology. Part II. Matter, halo, and lensing statistics in the vector Galileon. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 014. | 1.9 | 4 |
| 3447 | Two-Carrier Scheme: Evading the 3ÂdB Quantum Penalty of Heterodyne Readout in Gravitational-Wave Detectors. <i>Physical Review Letters</i> , 2021, 126, 221301. | 2.9 | 0 |
| 3448 | Systematics of prompt black-hole formation in neutron star mergers. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 35 |
| 3449 | Gravitational radiationâ€reaction driven instabilities in rotating neutron stars. <i>Astronomische Nachrichten</i> , 2021, 342, 799-807. | 0.6 | 2 |
| 3450 | GstLAL: A software framework for gravitational wave discovery. <i>SoftwareX</i> , 2021, 14, 100680. | 1.2 | 37 |
| 3451 | Detecting the early inspiral of a gravitational-wave signal with convolutional neural networks. , 2021, , . | | 4 |
| 3452 | Highly r-process enhanced stars in ultra-faint dwarf galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 1850-1861. | 1.6 | 15 |
| 3453 | Constraining three-nucleon forces with multimessenger data. <i>Physical Review C</i> , 2021, 103, . | 1.1 | 12 |
| 3454 | Cosmological curvature acceleration. <i>European Physical Journal: Special Topics</i> , 2021, 230, 2123-2138. | 1.2 | 6 |
| 3455 | The evolution of binary neutron star post-merger remnants: a review. <i>General Relativity and Gravitation</i> , 2021, 53, 1. | 0.7 | 50 |
| 3456 | Rapidly rotating compact stars in Rastallâ€™s gravity. <i>Classical and Quantum Gravity</i> , 2021, 38, 165011. | 1.5 | 11 |
| 3457 | Bayesian inference of quark star equation of state using the <i>NICER</i> PSR J0030+0451 data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 5916-5922. | 1.6 | 17 |
| 3458 | Holographic QCD and magnetic fields. <i>European Physical Journal A</i> , 2021, 57, 1. | 1.0 | 10 |
| 3459 | Constraints on the presence of platinum and gold in the spectra of the kilonova AT2017gfo. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 3560-3577. | 1.6 | 32 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3460 | Frame-dragging effects in obliquely rotating magnetars. <i>Journal of Astrophysics and Astronomy</i> , 2021, 42, 1. | 0.4 | 3 |
| 3461 | Zirconia-titania-doped tantala optical coatings for low mechanical loss Bragg mirrors. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2021, 39, . | 0.9 | 3 |
| 3462 | Parameterized nonrelativistic limit of stellar structure equations in Ricci-based gravity theories. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 16 |
| 3463 | Primordial Black Holes Formation and Secondary Gravitational Waves in Nonminimal Derivative Coupling Inflation. <i>Astrophysical Journal</i> , 2021, 915, 118. | 1.6 | 14 |
| 3464 | The potential role of binary neutron star merger afterglows in multimessenger cosmology. <i>Astronomy and Astrophysics</i> , 2021, 652, A1. | 2.1 | 10 |
| 3465 | Multimessenger Detection Rates and Distributions of Binary Neutron Star Mergers and Their Cosmological Implications. <i>Astrophysical Journal</i> , 2021, 916, 54. | 1.6 | 28 |
| 3466 | Search for Gravitational Waves from the Coalescence of Subsolar Mass and Eccentric Compact Binaries. <i>Astrophysical Journal</i> , 2021, 915, 54. | 1.6 | 19 |
| 3467 | Quadratic-in-spin Hamiltonian at $\mathcal{O}(G^2)$ from scattering amplitudes. <i>Journal of High Energy Physics</i> , 2021, 2021, 1. | 1.6 | 69 |
| 3468 | From Neutrino- to Photon-cooled in Three Years: Can Fallback Accretion Explain the X-Ray Excess in GW170817?. <i>Astrophysical Journal Letters</i> , 2021, 916, L3. | 3.0 | 16 |
| 3469 | The B-type binaries characterization programme I. Orbital solutions for the 30 Doradus population. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 5348-5375. | 1.6 | 18 |
| 3470 | Universal relations for binary neutron star mergers with long-lived remnants. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 6 |
| 3471 | Tidal deformation and dissipation of rotating black holes. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 68 |
| 3472 | GW190521 formation scenarios via relativistic accretion. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 032. | 1.9 | 11 |
| 3473 | Neutron stars with a crossover equation of state. <i>Physical Review C</i> , 2021, 104, . | 1.1 | 17 |
| 3474 | Numerical inside view of hypermassive remnant models for GW170817. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 9 |
| 3475 | Radial oscillations in neutron stars from QCD. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 10 |
| 3476 | The neutrino gravitational memory from a core collapse supernova: phenomenology and physics potential. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 055. | 1.9 | 10 |
| 3477 | Estimate of the gravitational-wave background from the observed cosmological distribution of quasars. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 2 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3478 | The response of optical fibres to gravitational waves. <i>Classical and Quantum Gravity</i> , 2021, 38, 155006. | 1.5 | 1 |
| 3479 | Dynamical ejecta synchrotron emission as a possible contributor to the changing behaviour of GRB170817A afterglow. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 5908-5915. | 1.6 | 22 |
| 3480 | The impact of turbulent mixing on the galactic r-process enrichment by binary neutron star mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 4374-4388. | 1.6 | 6 |
| 3481 | Nuclear Physics and Astrophysics Constraints on the High Density Matter Equation of State. <i>Universe</i> , 2021, 7, 257. | 0.9 | 12 |
| 3482 | Upper limits on the temperature of inspiraling astrophysical black holes. <i>European Physical Journal C</i> , 2021, 81, 1. | 1.4 | 3 |
| 3483 | Classical gravity from loop amplitudes. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 60 |
| 3484 | Short gamma-ray burst jet propagation in binary neutron star merger environments. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 3483-3498. | 1.6 | 16 |
| 3485 | Thermodynamics of traversable wormholes in $f(R,T)$ gravity. <i>International Journal of Geometric Methods in Modern Physics</i> , 2021, 18, 2150175. | 0.8 | 0 |
| 3486 | An interactive gravitational-wave detector model for museums and fairs. <i>American Journal of Physics</i> , 2021, 89, 702-712. | 0.3 | 1 |
| 3487 | Neutron stars in the effective fly-by framework: f-mode re-summation. <i>Classical and Quantum Gravity</i> , 2021, 38, 165001. | 1.5 | 2 |
| 3488 | Measuring cosmological parameters with a luminosity-time correlation of gamma-ray bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 730-742. | 1.6 | 35 |
| 3489 | Alternative LISA-TAIJI networks. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 16 |
| 3490 | Discovery and confirmation of the shortest gamma-ray burst from a collapsar. <i>Nature Astronomy</i> , 2021, 5, 917-927. | 4.2 | 69 |
| 3491 | Spherically Symmetric Exact Vacuum Solutions in Einstein-Aether Theory. <i>Universe</i> , 2021, 7, 272. | 0.9 | 11 |
| 3492 | High tide: a systematic search for ellipsoidal variables in ASAS-SN. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 104-115. | 1.6 | 16 |
| 3493 | DDOTI observations of gravitational-wave sources discovered in O3. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 1401-1420. | 1.6 | 17 |
| 3494 | Improved gravitational-wave constraints on higher-order curvature theories of gravity. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 56 |
| 3495 | Gravitational Bremsstrahlung in the post-Minkowskian effective field theory. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 58 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3496 | Gravitational wave signatures from dark sector interactions. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 4 |
| 3497 | Synergies of THESEUS with the large facilities of the 2030s and guest observer opportunities. <i>Experimental Astronomy</i> , 2021, 52, 407-437. | 1.6 | 8 |
| 3498 | Neutron star cooling in modified gravity theories. <i>Progress of Theoretical and Experimental Physics</i> , 2021, 2021, . | 1.8 | 8 |
| 3499 | Quark star matter at finite temperature in a quasiparticle model. <i>European Physical Journal C</i> , 2021, 81, 1. | 1.4 | 11 |
| 3500 | Revisiting the shadow of braneworld black holes. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 27 |
| 3501 | Successful Higgs inflation from combined nonminimal and derivative couplings. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 10 |
| 3502 | Effect of the symmetry energy on the secondary component of GW190814 as a neutron star. <i>Physical Review C</i> , 2021, 104, . | 1.1 | 9 |
| 3503 | Gravitational-wave searches in the era of Advanced LIGO and Virgo. <i>Modern Physics Letters A</i> , 2021, 36, 2130022. | 0.5 | 4 |
| 3504 | Revisiting the Galactic Double Neutron Star merger and LIGO detection rates. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 5658-5670. | 1.6 | 8 |
| 3505 | Gravitational tests of electroweak relaxation. <i>Journal of High Energy Physics</i> , 2021, 2021, 1. | 1.6 | 5 |
| 3506 | Tensor and Coulomb-exchange terms in the relativistic mean-field model with ρ -meson and isoscalar-isovector coupling. <i>Physical Review C</i> , 2021, 104, . | 1.1 | 3 |
| 3507 | Resolving Galactic binaries in LISA data using particle swarm optimization and cross-validation. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 16 |
| 3508 | General-relativistic treatment of tidal g -mode resonances in coalescing binaries of neutron stars I. Theoretical framework and crust breaking. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 2985-2998. | 1.6 | 12 |
| 3509 | Modelling neutron star mountains in relativity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 116-128. | 1.6 | 27 |
| 3510 | Overview of the MPD Experiment. <i>Physics of Particles and Nuclei</i> , 2021, 52, 501-505. | 0.2 | 0 |
| 3511 | GECKO Optical Follow-up Observation of Three Binary Black Hole Merger Events: GW190408_181802, GW190412, and GW190503_185404. <i>Astrophysical Journal</i> , 2021, 916, 47. | 1.6 | 5 |
| 3512 | Gravitational decoherence: A nonrelativistic spin 1/2 fermionic model. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 2 |
| 3513 | Beyond AstroSat: Astronomy missions under review. <i>Journal of Astrophysics and Astronomy</i> , 2021, 42, 1. | 0.4 | 1 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3514 | Influence of the crust on the neutron star macrophysical quantities and universal relations. <i>Physical Review C</i> , 2021, 104, . | 1.1 | 18 |
| 3515 | Implication of pulsar timing array experiments on cosmological gravitational wave detection. <i>AAPPS Bulletin</i> , 2021, 31, 1. | 2.7 | 9 |
| 3516 | Improving data-driven model-independent reconstructions and updated constraints on dark energy models from Horndeski cosmology. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 048. | 1.9 | 13 |
| 3517 | PESummary: The code agnostic Parameter Estimation Summary page builder. <i>SoftwareX</i> , 2021, 15, 100765. | 1.2 | 42 |
| 3518 | The $\vec{\Lambda}$ in resummed chiral effective field theory. <i>European Physical Journal C</i> , 2021, 81, 1. | 1.4 | 3 |
| 3519 | Multipole analysis on gyroscopic precession in $f(R)$ gravity with irreducible Cartesian tensors. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 3 |
| 3520 | Collapsar R-process Yields Can Reproduce [Eu/Fe] Abundance Scatter in Metal-poor Stars. <i>Astrophysical Journal</i> , 2021, 915, 81. | 1.6 | 20 |
| 3521 | Unveiling the nuclear matter EoS from neutron star properties: a supervised machine learning approach. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 011. | 1.9 | 22 |
| 3522 | Stealth black hole perturbations in kinetic gravity braiding. <i>Journal of Mathematical Physics</i> , 2021, 62, . | 0.5 | 4 |
| 3523 | Revealing optical loss from modal frequency degeneracy in a long optical cavity. <i>Optics Express</i> , 2021, 29, 23902. | 1.7 | 2 |
| 3524 | A Neutron Star Is Born. <i>Universe</i> , 2021, 7, 267. | 0.9 | 20 |
| 3525 | Gravitational waves as a probe of globular cluster formation and evolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 2362-2372. | 1.6 | 11 |
| 3526 | 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. | 1.6 | 20 |
| 3527 | Quantum corrected thermodynamics of nonlinearly charged BTZ black holes in massive gravity's rainbow. <i>Modern Physics Letters A</i> , 2021, 36, 2150158. | 0.5 | 11 |
| 3528 | Following nuclei through nucleosynthesis: A novel tracing technique. <i>Physical Review C</i> , 2021, 104, . | 1.1 | 19 |
| 3529 | Constraining properties of GRB central engines with X-ray flares. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 1047-1054. | 1.6 | 4 |
| 3530 | QCD phase diagram in a magnetized medium from the chiral symmetry perspective: the linear sigma model with quarks and the Nambu–Jona-Lasinio model effective descriptions. <i>European Physical Journal A</i> , 2021, 57, 1. | 1.0 | 22 |
| 3531 | PIC methods in astrophysics: simulations of relativistic jets and kinetic physics in astrophysical systems. <i>Living Reviews in Solar Physics</i> , 2021, 7, 1. | 5.0 | 21 |

| # | ARTICLE | IF | CITATIONS |
|------|--|------|-----------|
| 3532 | r-Process elements from magnetorotational hypernovae. <i>Nature</i> , 2021, 595, 223-226. | 13.7 | 44 |
| 3533 | Fallback Accretion Model for the Years-to-decades X-Ray Counterpart to GW170817. <i>Astrophysical Journal Letters</i> , 2021, 916, L13. | 3.0 | 11 |
| 3534 | New public code for initial data of unequal-mass, spinning compact-object binaries. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 24 |
| 3535 | Mass correction and deformation of slowly rotating anisotropic neutron stars based on Hartleâ€™Thorne formalism. <i>European Physical Journal C</i> , 2021, 81, 1. | 1.4 | 11 |
| 3536 | Kinetic screening in nonlinear stellar oscillations and gravitational collapse. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 26 |
| 3537 | Positivity bounds on dark energy: when matter matters. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 018. | 1.9 | 31 |
| 3538 | Inferring properties of neutron stars born in short gamma-ray bursts with a plerion-like X-ray plateau. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 2843-2855. | 1.6 | 4 |
| 3539 | Chiral phase transition and equation of state in chiral imbalance *. <i>Chinese Physics C</i> , 2021, 45, 084110. | 1.5 | 1 |
| 3540 | Quasi-universality of the magnetic deformation of neutron stars in general relativity and beyond. <i>Astronomy and Astrophysics</i> , 2021, 654, A162. | 2.1 | 9 |
| 3541 | Deflection angle with electromagnetic interaction and gravitational-electromagnetic dual lensing. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 022. | 1.9 | 6 |
| 3542 | Baryogenesis from ultralight primordial black holes and strong gravitational waves from cosmic strings. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 021. | 1.9 | 46 |
| 3543 | The building blocks of the universe. <i>HTS Teologiese Studies / Theological Studies</i> , 2021, 77, . | 0.2 | 1 |
| 3544 | Stability of the protoneutron stars towards black hole formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 2766-2776. | 1.6 | 7 |
| 3545 | A compact instrument for gamma-ray burst detection on a CubeSat platform I. <i>Experimental Astronomy</i> , 2021, 52, 59-84. | 1.6 | 12 |
| 3546 | Calibrating systematic errors in the distance determination with the luminosityâ€™distance space large-scale structure of dark sirens and its potential applications. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 3381-3386. | 1.6 | 1 |
| 3547 | Primordial black holes and secondary gravitational waves from natural inflation. <i>Nuclear Physics B</i> , 2021, 969, 115480. | 0.9 | 32 |
| 3548 | Cosmology with LIGO/Virgo dark sirens: Hubble parameter and modified gravitational wave propagation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 026. | 1.9 | 62 |
| 3549 | Accelerating parameter estimation of gravitational waves from compact binary coalescence using adaptive frequency resolutions. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 16 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3550 | Cosmology with standard sirens at cosmic noon. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 21 |
| 3551 | Signature of Collective Plasma Effects in Beam-Driven QED Cascades. <i>Physical Review Letters</i> , 2021, 127, 095001. | 2.9 | 13 |
| 3552 | Advanced Virgo: Status of the Detector, Latest Results and Future Prospects. <i>Universe</i> , 2021, 7, 322. | 0.9 | 15 |
| 3553 | Assessing the readiness of numerical relativity for LISA and 3G detectors. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 11 |
| 3554 | Constraining cosmological parameters from strong lensing with DECIGO and B-DECIGO sources. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 761-771. | 1.6 | 6 |
| 3555 | The Gamow Explorer: a Gamma-Ray Burst Observatory to study the high redshift universe and enable multi-messenger astrophysics. , 2021, , . | | 9 |
| 3556 | Figure-eight orbits in three post-Newtonian formulations of triple black holes. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 5 |
| 3557 | Anisotropic stars via embedding approach in Bransâ€“Dicke gravity. <i>European Physical Journal C</i> , 2021, 81, 1. | 1.4 | 22 |
| 3558 | Failure of the Fisher matrix when including tidal terms: Considering construction of template banks of tidally deformed binary neutron stars. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 5 |
| 3559 | Black hole scalarization with Gauss-Bonnet and Ricci scalar couplings. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 24 |
| 3560 | Baryonic dense matter in view of gravitational-wave observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 2991-3004. | 1.6 | 7 |
| 3561 | Does a long-lived remnant neutron star exist after short gamma-ray burst GRB 160821B?. <i>Astronomy and Astrophysics</i> , 2021, 654, A124. | 2.1 | 9 |
| 3562 | Frequency deviations in universal relations of isolated neutron stars and postmerger remnants. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 24 |
| 3563 | Influence of the treatment of initialization and mean-field potential on the neutron to proton yield ratios. <i>Physical Review C</i> , 2021, 104, . | 1.1 | 5 |
| 3564 | Tidal deformabilities and radii of strange quark stars. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 8 |
| 3565 | Pre-merger Localization of Compact-binary Mergers with Third-generation Observatories. <i>Astrophysical Journal Letters</i> , 2021, 917, L27. | 3.0 | 22 |
| 3566 | Electromagnetic counterparts of gravitational-wave signals. <i>Astronomy and Geophysics</i> , 2021, 62, 4.15-4.21. | 0.1 | 2 |
| 3567 | Kilonova Emission from Black Holeâ€“Neutron Star Mergers. II. Luminosity Function and Implications for Target-of-opportunity Observations of Gravitational-wave Triggers and Blind Searches. <i>Astrophysical Journal</i> , 2021, 917, 24. | 1.6 | 30 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3568 | Effects of dark matter on the in-spiral properties of the binary neutron stars. Monthly Notices of the Royal Astronomical Society, 2021, 507, 4053-4060. | 1.6 | 22 |
| 3569 | Implications of PREX-2 on the electric dipole polarizability of neutron-rich nuclei. Physical Review C, 2021, 104, . | 1.1 | 35 |
| 3570 | Modifications to the signal from a gravitational wave event due to a surrounding shell of matter. General Relativity and Gravitation, 2021, 53, 1. | 0.7 | 1 |
| 3571 | Neutron stars in scalar-tensor theories: Analytic scalar charges and universal relations. Physical Review D, 2021, 104, . | 1.6 | 11 |
| 3572 | Black holes merging with low mass gap objects inside globular clusters. Physical Review D, 2021, 104, . | 1.6 | 8 |
| 3573 | Hidden symmetry between rotational tidal Love numbers of spinning neutron stars. Physical Review D, 2021, 104, . | 1.6 | 6 |
| 3574 | Heavy Magnetic Neutron Stars. Astrophysical Journal, 2021, 917, 46. | 1.6 | 21 |
| 3575 | Disformal mappings of spherical DHOST geometries. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 037. | 1.9 | 8 |
| 3576 | Bayesian Inference of Strange Star Equation of State Using the GW170817 and GW190425 Data. Astrophysical Journal Letters, 2021, 917, L22. | 3.0 | 25 |
| 3577 | Constraining parameters of coalescing stellar mass binary black hole systems with the Einstein Telescope alone. Physical Review D, 2021, 104, . | 1.6 | 4 |
| 3578 | New binary pulsar constraints on Einstein-Äther theory after GW170817. Classical and Quantum Gravity, 2021, 38, 195003. | 1.5 | 18 |
| 3579 | Black hole–neutron star binary mergers: the imprint of tidal deformations and debris. Classical and Quantum Gravity, 2021, 38, 185008. | 1.5 | 2 |
| 3580 | Newtonian-noise characterization at Terziet in Limburg—the Euregio Meuse–Rhine candidate site for Einstein Telescope. Classical and Quantum Gravity, 2022, 39, 025009. | 1.5 | 8 |
| 3581 | Effective field theory for binary cosmic strings. Physical Review D, 2021, 104, . | 1.6 | 1 |
| 3582 | Biases in parameter estimation from overlapping gravitational-wave signals in the third-generation detector era. Physical Review D, 2021, 104, . | 1.6 | 25 |
| 3583 | Gravitational waves from a black hole orbiting in a wormhole geometry. Physical Review D, 2021, 104, . | 1.6 | 4 |
| 3584 | A fundamental plane in X-ray binary activity of external galaxies. Publication of the Astronomical Society of Japan, 2021, 73, 1315-1332. | 1.0 | 4 |
| 3585 | Two Steps Forward and One Step Sideways: The Propagation of Relativistic Jets in Realistic Binary Neutron Star Merger Ejecta. Astrophysical Journal Letters, 2021, 918, L6. | 3.0 | 12 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3586 | Tidal deformability of dressed black holes and tests of ultralight bosons in extended mass ranges. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 032. | 1.9 | 26 |
| 3587 | Gravitational-wave Signatures from Compact Object Binaries in the Galactic Center. <i>Astrophysical Journal</i> , 2021, 917, 76. | 1.6 | 17 |
| 3588 | Eikonal quasinormal modes of black holes beyond general relativity. III. Scalar Gauss-Bonnet gravity. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 22 |
| 3589 | Entanglement-enhanced estimation of a parameter embedded in multiple phases. <i>Physical Review Research</i> , 2021, 3, . | 1.3 | 7 |
| 3590 | Gravitational-wave limit on the Chandrasekhar mass of dark matter. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 13 |
| 3591 | Tidal deformability of neutron stars with exotic particles within a density dependent relativistic mean field model in R-squared gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 012. | 1.9 | 2 |
| 3592 | Towards the emergence of nonzero thermodynamical quantities for Lanczos-Lovelock black holes dressed with a scalar field. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 5 |
| 3593 | Bayesian inference of multimessenger astrophysical data: Methods and applications to gravitational waves. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 25 |
| 3594 | Universal inflationary attractors implications on static neutron stars. <i>Classical and Quantum Gravity</i> , 2021, 38, 175005. | 1.5 | 28 |
| 3595 | Spin effects on neutron star fundamental-mode dynamical tides: Phenomenology and comparison to numerical simulations. <i>Physical Review Research</i> , 2021, 3, . | 1.3 | 35 |
| 3596 | GrailQuest: hunting for atoms of space and time hidden in the wrinkle of Space-Time. <i>Experimental Astronomy</i> , 2021, 51, 1255-1297. | 1.6 | 7 |
| 3597 | CWBENCH: a novel Fisher information package for gravitational-wave benchmarking. <i>Classical and Quantum Gravity</i> , 2021, 38, 175014. | 1.5 | 38 |
| 3598 | Strange quark star and the parameter space of the quasi-particle model. <i>Communications in Theoretical Physics</i> , 2021, 73, 105202. | 1.1 | 1 |
| 3599 | Learning How to Surf: Reconstructing the Propagation and Origin of Gravitational Waves with Gaussian Processes. <i>Astrophysical Journal</i> , 2021, 918, 20. | 1.6 | 21 |
| 3600 | Peculiar velocities in the local Universe: comparison of different models and the implications for H0 and dark matter. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 2697-2713. | 1.6 | 14 |
| 3601 | Gravitational waves in non-local gravity. <i>Classical and Quantum Gravity</i> , 2021, 38, 175008. | 1.5 | 19 |
| 3602 | Probing Kilonova Ejecta Properties Using a Catalog of Short Gamma-Ray Burst Observations. <i>Astrophysical Journal</i> , 2021, 916, 89. | 1.6 | 20 |
| 3603 | Gravitational Capture Cross-Section of Particles by Schwarzschild-Tangherlini Black Holes. <i>Universe</i> , 2021, 7, 307. | 0.9 | 3 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3604 | Search for Galactic Civilizations Using Historical Supernovae. <i>Astrophysical Journal</i> , 2021, 917, 96. | 1.6 | 4 |
| 3605 | Modelling the chemical evolution of the Milky Way. <i>Astronomy and Astrophysics Review</i> , 2021, 29, 1. | 9.1 | 87 |
| 3606 | Solar system tests in Einstein's theory of gravity. <i>Canadian Journal of Physics</i> , 2021, 99, 681-690. | 0.4 | 1 |
| 3607 | Effect of data gaps on the detectability and parameter estimation of massive black hole binaries with LISA. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 17 |
| 3608 | Holographic bound on area of a compact binary merger remnant. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 1 |
| 3609 | A Flexible Gaussian Process Reconstruction Method and the Mass Function of the Coalescing Binary Black Hole Systems. <i>Astrophysical Journal</i> , 2021, 917, 33. | 1.6 | 14 |
| 3610 | Structure of ultra-magnetised neutron stars. <i>European Physical Journal A</i> , 2021, 57, 1. | 1.0 | 5 |
| 3611 | Insights on the peak in the speed of sound of ultradense matter. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 18 |
| 3612 | Bounds on GUP parameters from GW150914 and GW190521. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 819, 136429. | 1.5 | 19 |
| 3613 | Comparison of the characteristics of magnetars born in death of massive stars and merger of compact objects with <i>Swift</i> gamma-ray burst data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 2505-2514. | 1.6 | 6 |
| 3614 | Unveiling the gravitational universe at $\frac{1}{4}$ -Hz frequencies. <i>Experimental Astronomy</i> , 2021, 51, 1333-1383. | 1.6 | 88 |
| 3615 | Model independent reconstruction of impact parameter distributions for intermediate energy heavy ion collisions. <i>Physical Review C</i> , 2021, 104, . | 1.1 | 8 |
| 3616 | Nucleon Structure and Strong Interactions in Dark Matter Capture in Neutron Stars. <i>Physical Review Letters</i> , 2021, 127, 111803. | 2.9 | 40 |
| 3617 | Analysis of the neutron matter equation of state and the symmetry energy up to fourth order of chiral effective field theory. <i>Physical Review C</i> , 2021, 104, . | 1.1 | 11 |
| 3618 | GRB 170817A Afterglow from a Relativistic Electron-Positron Pair Wind Observed Off-axis. <i>Astrophysical Journal</i> , 2021, 918, 52. | 1.6 | 5 |
| 3619 | On the importance of source population models for gravitational-wave cosmology. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 48 |
| 3620 | Properties of hybrid stars with a density-dependent bag model. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2021, 48, 105201. | 1.4 | 10 |
| 3621 | A refined Einstein-Gauss-Bonnet inflationary theoretical framework. <i>Classical and Quantum Gravity</i> , 2021, 38, 195025. | 1.5 | 51 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3622 | Complete conservative dynamics for inspiralling compact binaries with spins at the fourth post-Newtonian order. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 029. | 1.9 | 29 |
| 3623 | A Bayesian Inference Framework for Gamma-ray Burst Afterglow Properties. <i>Universe</i> , 2021, 7, 349. | 0.9 | 2 |
| 3624 | Mass and Rate of Hierarchical Black Hole Mergers in Young, Globular and Nuclear Star Clusters. <i>Symmetry</i> , 2021, 13, 1678. | 1.1 | 29 |
| 3625 | Detecting gravitational waves with disparate detector responses: Two new binary black hole mergers. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 57 |
| 3626 | The Radius of PSR J0740+6620 from NICER and XMM-Newton Data. <i>Astrophysical Journal Letters</i> , 2021, 918, L28. | 3.0 | 556 |
| 3627 | Double-peaked inflation model: Scalar induced gravitational waves and primordial-black-hole suppression from primordial non-Gaussianity. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 26 |
| 3628 | Odd-parity stability of black holes in Einstein-aether gravity. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 9 |
| 3629 | Capture of Massless and Massive Particles by Parameterized Black Holes. <i>Galaxies</i> , 2021, 9, 65. | 1.1 | 4 |
| 3630 | Deep Learning with Quantized Neural Networks for Gravitational-wave Forecasting of Eccentric Compact Binary Coalescence. <i>Astrophysical Journal</i> , 2021, 919, 82. | 1.6 | 16 |
| 3631 | Bounding dark charges on binary black holes using gravitational waves. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 9 |
| 3632 | Strongly magnetized hot QCD matter and stochastic gravitational wave background. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 7 |
| 3633 | Bayesian Nonparametric Inference of the Neutron Star Equation of State via a Neural Network. <i>Astrophysical Journal</i> , 2021, 919, 11. | 1.6 | 20 |
| 3634 | Dark matter admixed neutron star as a possible compact component in the GW190814 merger event. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 41 |
| 3635 | Fast-transient Searches in Real Time with ZTFReST: Identification of Three Optically Discovered Gamma-Ray Burst Afterglows and New Constraints on the Kilonova Rate. <i>Astrophysical Journal</i> , 2021, 918, 63. | 1.6 | 42 |
| 3636 | Lensing magnification: gravitational waves from coalescing stellar-mass binary black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 1253-1261. | 1.6 | 6 |
| 3637 | Analytical computation of quasinormal modes of slowly rotating black holes in dynamical Chern-Simons gravity. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 30 |
| 3638 | Neutron Stars and the Nuclear Matter Equation of State. <i>Annual Review of Nuclear and Particle Science</i> , 2021, 71, 433-464. | 3.5 | 65 |
| 3639 | New Developments in Flavor Evolution of a Dense Neutrino Gas. <i>Annual Review of Nuclear and Particle Science</i> , 2021, 71, 165-188. | 3.5 | 96 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3640 | Higher dimensional black hole solutions with scalar hair/dilaton field and Toroidal horizons and the interior solution. Canadian Journal of Physics, 0, , . | 0.4 | 0 |
| 3641 | Weaving the covariant three-point vertices efficiently. Physical Review D, 2021, 104, . | 1.6 | 1 |
| 3642 | Gravitational decoupling and superfluid stars. European Physical Journal C, 2021, 81, 1. | 1.4 | 10 |
| 3643 | Looking for extra dimensions in the observed quasi-periodic oscillations of black holes. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 037. | 1.9 | 10 |
| 3644 | Gravitational multipole moments for asymptotically de Sitter spacetimes. Physical Review D, 2021, 104, . | 1.6 | 4 |
| 3645 | Eccentric binary neutron star search prospects for Cosmic Explorer. Physical Review D, 2021, 104, . | 1.6 | 9 |
| 3646 | Constraints on the phase transition and nuclear symmetry parameters from PSR $J < \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:mrow> < mml:mi mathvariant="normal"> J < /mml:mi> < mml:mn> 0740 < /mml:mn> < mml:mo> + < /mml:mo> < mml:mn> 6620 < /mml:mn> < /mml:mrow> < /mml:math>$ and multimessenger data of other neutron stars. Physical Review D, 2021, 104, . | 1.6 | 22 |
| 3647 | Detecting gravitational waves in data with non-stationary and non-Gaussian noise. Physical Review D, 2021, 104, . | 1.6 | 28 |
| 3648 | International workshop on next generation gamma-ray source. Journal of Physics G: Nuclear and Particle Physics, 2022, 49, 010502. | 1.4 | 12 |
| 3649 | Radius and equation of state constraints from massive neutron stars and GW190814. Physical Review C, 2021, 104, . | 1.1 | 15 |
| 3650 | Reaction force of gravitational radiation in an effective-one-body theory based on the post-Minkowskian approximation. European Physical Journal C, 2021, 81, 1. | 1.4 | 0 |
| 3651 | Ultra-light dark matter. Astronomy and Astrophysics Review, 2021, 29, 1. | 9.1 | 150 |
| 3652 | Improving significance of binary black hole mergers in Advanced LIGO data using deep learning: Confirmation of GW151216. Physical Review D, 2021, 104, . | 1.6 | 12 |
| 3653 | Chiral Effective Field Theory and the High-Density Nuclear Equation of State. Annual Review of Nuclear and Particle Science, 2021, 71, 403-432. | 3.5 | 68 |
| 3654 | Nuclear Dynamics and Reactions in the Ab Initio Symmetry-Adapted Framework. Annual Review of Nuclear and Particle Science, 2021, 71, 253-277. | 3.5 | 21 |
| 3655 | Magnetospheres of black hole-neutron star binaries. Physical Review D, 2021, 104, . | 1.6 | 13 |
| 3656 | Constraints on high density equation of state from maximum neutron star mass. Physical Review D, 2021, 104, . | 1.6 | 14 |
| 3657 | Cryogenic vacuum considerations for future gravitational wave detectors. Physical Review D, 2021, 104, . | 1.6 | 4 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3658 | Gamma-Ray Emission Produced by r-process Elements from Neutron Star Mergers. <i>Astrophysical Journal</i> , 2021, 919, 59. | 1.6 | 11 |
| 3659 | Extended search for supernovalike neutrinos in NOvA coincident with LIGO/Virgo detections. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 3 |
| 3660 | Polar Quasinormal Modes of Neutron Stars in Massive Scalar-Tensor Theories. <i>Frontiers in Physics</i> , 2021, 9, . | 1.0 | 9 |
| 3661 | Tidal deformation of quantum black holes. <i>International Journal of Modern Physics D</i> , 0, , 2142011. | 0.9 | 1 |
| 3662 | A data-driven reconstruction of Horndeski gravity via the Gaussian processes. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 014. | 1.9 | 21 |
| 3663 | From nuclear to unnuclear physics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, e2113775118. | 3.3 | 1 |
| 3664 | Scale dependence of the nucleon–nucleon potential. <i>International Journal of Modern Physics E</i> , 2021, 30, . | 0.4 | 6 |
| 3666 | Improving force sensitivity by amplitude measurements of light reflected from a detuned optomechanical cavity. <i>Physical Review A</i> , 2021, 104, . | 1.0 | 3 |
| 3667 | Unified Equation of State for Neutron Stars Based on the Gogny Interaction. <i>Symmetry</i> , 2021, 13, 1613. | 1.1 | 13 |
| 3668 | Early warning of precessing compact binary merger with third-generation gravitational-wave detectors. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 5 |
| 3669 | Fundamental physics using the temporal gravitational wave background. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 11 |
| 3670 | Early warning of coalescing neutron-star and neutron-star-black-hole binaries from the nonstationary noise background using neural networks. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 19 |
| 3671 | Density estimation with Gaussian processes for gravitational wave posteriors. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 2090-2097. | 1.6 | 7 |
| 3672 | Intrinsic Gravitational Modes Sustained by Black Hole Collapsing Binaries. <i>Plasma Physics Reports</i> , 2021, 47, 878-884. | 0.3 | 0 |
| 3673 | Impact of the PSR $J_{0740+6620}$ radius constraint on the properties of high-density matter. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 93 |
| 3674 | Combining cosmological and local bounds on bimetric theory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 035. | 1.9 | 7 |
| 3675 | Search for gamma-ray bursts and gravitational wave electromagnetic counterparts with High Energy X-ray Telescope of <i>Insight</i> -HXMT. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 3910-3920. | 1.6 | 9 |
| 3676 | Gravitational wave observatories may be able to detect hyperbolic encounters of black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 5064-5073. | 1.6 | 15 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3678 | Universal Relation between the Variances of Distortions of Gravitational Waves owing to Gravitational Lensing. <i>Astrophysical Journal Letters</i> , 2021, 918, L30. | 3.0 | 3 |
| 3679 | HARM3D+NUC: A New Method for Simulating the Post-merger Phase of Binary Neutron Star Mergers with GRMHD, Tabulated EOS, and Neutrino Leakage. <i>Astrophysical Journal</i> , 2021, 919, 95. | 1.6 | 17 |
| 3680 | Direct detection of dark energy: The XENON1T excess and future prospects. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 34 |
| 3681 | Toward optomechanical parametric instability prediction in ground-based gravitational wave detectors. <i>Applied Optics</i> , 2021, 60, 8540. | 0.9 | 2 |
| 3682 | Vainshtein mechanism in Generalised Massive Gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 023. | 1.9 | 4 |
| 3683 | Long-term evolution of neutron-star merger remnants in general relativistic resistive magnetohydrodynamics with a mean-field dynamo term. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 28 |
| 3684 | Impact of the ISM magnetic field on GRB afterglow polarization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 5340-5347. | 1.6 | 6 |
| 3685 | A Global Numerical Model of the Prompt Emission in Short Gamma-ray Bursts. <i>Astrophysical Journal</i> , 2021, 918, 59. | 1.6 | 20 |
| 3686 | Constraints on the Dense Matter Equation of State and Neutron Star Properties from NICER's Mass-Radius Estimate of PSR J0740+6620 and Multimessenger Observations. <i>Astrophysical Journal Letters</i> , 2021, 918, L29. | 3.0 | 190 |
| 3687 | First Multimessenger Observations of a Neutron Star Merger. <i>Annual Review of Astronomy and Astrophysics</i> , 2021, 59, 155-202. | 8.1 | 66 |
| 3688 | Correlation analysis for isotropic stochastic gravitational wave backgrounds with maximally allowed polarization degrees. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 4 |
| 3689 | Decoding the phases of early and late time reheating through imprints on primordial gravitational waves. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 22 |
| 3690 | Properties of strange quark matter and strange quark stars. <i>European Physical Journal C</i> , 2021, 81, 1. | 1.4 | 7 |
| 3691 | No-hair theorem in the wake of Event Horizon Telescope. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 028. | 1.9 | 56 |
| 3692 | Exploration of co-sputtered Ta ₂ O ₅ –ZrO ₂ thin films for gravitational-wave detectors. <i>Classical and Quantum Gravity</i> , 2021, 38, 195021. | 1.5 | 15 |
| 3693 | Chern-Simons caps for rotating black holes. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 12 |
| 3694 | Neutrino energy-loss rate in 331 ^{Î²} model. <i>International Journal of Modern Physics A</i> , 0, , 2150179. | 0.5 | 2 |
| 3695 | FAST early pulsar discoveries: Effelsberg follow-up. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 300-314. | 1.6 | 17 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3696 | Phase-sensitive manipulation of squeezed vacuum via a dual-recycled michelson interferometer. Optics Express, 2021, 29, 34826-34834. | 1.7 | 2 |
| 3697 | Realistic finite-temperature effects in neutron star merger simulations. Physical Review D, 2021, 104, . | 1.6 | 34 |
| 3698 | Impact of Natal Kicks on Merger Rates and Spin-Orbit Misalignments of Black Hole-Neutron Star Mergers. Astrophysical Journal Letters, 2021, 918, L38. | 3.0 | 18 |
| 3699 | Feeble DM-SM interaction via new scalar and vector mediators in rotating neutron stars. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 027. | 1.9 | 12 |
| 3700 | Hyperonic neutron stars: reconciliation between nuclear properties and NICER and LIGO/VIRGO results. Communications in Theoretical Physics, 2022, 74, 015302. | 1.1 | 9 |
| 3701 | Spinning black hole binary dynamics, scattering amplitudes, and effective field theory. Physical Review D, 2021, 104, . | 1.6 | 104 |
| 3702 | Concepts and status of Chinese space gravitational wave detection projects. Nature Astronomy, 2021, 5, 881-889. | 4.2 | 88 |
| 3703 | An Archival Search for Neutron-star Mergers in Gravitational Waves and Very-high-energy Gamma Rays. Astrophysical Journal, 2021, 918, 66. | 1.6 | 4 |
| 3704 | Neutron star deformability with hyperonization in density-dependent relativistic mean-field models. Physical Review D, 2021, 104, . | 1.6 | 5 |
| 3705 | Non-singular black holes and mass inflation in modified gravity. Physics of the Dark Universe, 2021, 33, 100853. | 1.8 | 8 |
| 3706 | Prototype superfluid gravitational wave detector. Physical Review D, 2021, 104, . | 1.6 | 9 |
| 3707 | Generalized Horndeski-like Einstein Gauss-Bonnet inflation with massless primordial gravitons. Nuclear Physics B, 2021, 971, 115522. | 0.9 | 4 |
| 3708 | Neutron capture cross sections of light neutron-rich nuclei relevant for r -process nucleosynthesis. Physical Review C, 2021, 104, . | 1.1 | 3 |
| 3709 | Theoretical priors in scalar-tensor cosmologies: Shift-symmetric Horndeski models. Physical Review D, 2021, 104, . | 1.6 | 23 |
| 3710 | Radio astronomy and Space science in Azores: Enhancing the Atlantic VLBI infrastructure cluster. Advances in Space Research, 2021, 68, 3064-3078. | 1.2 | 1 |
| 3711 | Exploring the nature of ambiguous merging systems: GW190425 in low latency. Astronomy and Astrophysics, 2021, 654, A12. | 2.1 | 12 |
| 3712 | Fully general-relativistic simulations of isolated and binary strange quark stars. Physical Review D, 2021, 104, . | 1.6 | 8 |
| 3713 | Recognizing black holes in gravitational-wave observations: Challenges in telling apart impostors in mass-gap binaries. Physical Review D, 2021, 104, . | 1.6 | 13 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3714 | Black hole-neutron star simulations with the BAM code: First tests and simulations. Physical Review D, 2021, 104, . | 1.6 | 5 |
| 3715 | Refined clock-jitter reduction in the Sagnac-type time-delay interferometry combinations. Physical Review D, 2021, 104, . | 1.6 | 10 |
| 3716 | Towards grounding nuclear physics in QCD. Progress in Particle and Nuclear Physics, 2021, 121, 103888. | 5.6 | 36 |
| 3717 | High Energy Modular Ensemble of Satellites Mission: Towards the final Full Constellation. Acta Astronautica, 2021, 189, 129-142. | 1.7 | 4 |
| 3718 | Non-Newtonian gravity in strange stars and constraints from the observations of compact stars. New Astronomy, 2022, 90, 101670. | 0.8 | 3 |
| 3719 | Panorama behaviors of general relativistic hydrodynamics and holographic dark energy in T gravity. New Astronomy, 2022, 91, 101676. | 0.8 | 7 |
| 3720 | A minimal length uncertainty approach to cosmological constant problem. Astronomische Nachrichten, 2021, 342, 49-53. | 0.6 | 1 |
| 3721 | Moment of inertia of magnetized strange stars. Astronomische Nachrichten, 2021, 342, 326-331. | 0.6 | 1 |
| 3722 | The Astrophysical Processes of Cosmological Hydrogen that Generate the Chemical Elements that Make up the Universe. Natural Science, 2021, 13, 103-116. | 0.2 | 0 |
| 3723 | Constraining the nuclear symmetry energy and properties of the neutron star from GW170817 by Bayesian analysis. European Physical Journal A, 2021, 57, 1. | 1.0 | 22 |
| 3724 | Instability of compact stars with a nonminimal scalar-derivative coupling. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 008-008. | 1.9 | 10 |
| 3725 | Perturbations in Regularized Lovelock Gravity. Physics of the Dark Universe, 2021, 31, 100771. | 1.8 | 3 |
| 3726 | Testing the nature of gravitational-wave polarizations using strongly lensed signals. Physical Review D, 2021, 103, . | 1.6 | 30 |
| 3727 | Search for Gravitational Waves from High-Mass-Ratio Compact-Binary Mergers of Stellar Mass and Subsolar Mass Black Holes. Physical Review Letters, 2021, 126, 021103. | 2.9 | 29 |
| 3728 | Post-Newtonian Templates for Gravitational Waves from Compact Binary Inspirals. , 2021, , 1-49. | | 3 |
| 3729 | General cosmological perturbations in teleparallel gravity. European Physical Journal Plus, 2021, 136, 1. | 1.2 | 16 |
| 3730 | Energy map and effective metric in an effective-one-body theory based on the second-post-Minkowskian approximation. European Physical Journal C, 2021, 81, 1. | 1.4 | 4 |
| 3731 | Mining the geodesic equation for scattering data. Physical Review D, 2021, 103, . | 1.6 | 41 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3732 | Neutron Star Mergers in Active Galactic Nucleus Accretion Disks: Cocoon and Ejecta Shock Breakouts. <i>Astrophysical Journal Letters</i> , 2021, 906, L11. | 3.0 | 44 |
| 3733 | Electromagnetic Signatures of Relativistic Explosions in the Disks of Active Galactic Nuclei. <i>Astrophysical Journal Letters</i> , 2021, 906, L7. | 3.0 | 47 |
| 3734 | Equation of state of hot dense hyperonic matter in the Quark-Meson-Coupling (QMC-A) model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 3476-3490. | 1.6 | 32 |
| 3735 | Quark star matter in heavy quark stars. <i>European Physical Journal C</i> , 2021, 81, 1. | 1.4 | 14 |
| 3736 | Compact objects in entangled relativity. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 6 |
| 3737 | Minimally modified gravity with an auxiliary constraint: A Hamiltonian construction. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 18 |
| 3738 | Accretion-to-jet energy conversion efficiency in GW170817. <i>Astronomy and Astrophysics</i> , 2021, 645, A93. | 2.1 | 13 |
| 3739 | GWpy: A Python package for gravitational-wave astrophysics. <i>SoftwareX</i> , 2021, 13, 100657. | 1.2 | 30 |
| 3740 | Dynamical analysis of screening in scalar-tensor theory. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 6 |
| 3741 | New effects in gravitational waves and memory. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 4 |
| 3742 | π^0 scattering length from π^0 photoproduction on the proton near the threshold. <i>AIP Conference Proceedings</i> , 2021, , . | 0.3 | 0 |
| 3743 | Tests of general relativity using multiband observations of intermediate mass binary black hole mergers. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 20 |
| 3744 | Scalar-tensor cosmologies without screening. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 045-045. | 1.9 | 8 |
| 3745 | Exploring laser-driven neutron sources for neutron capture cascades and the production of neutron-rich isotopes. <i>Physical Review C</i> , 2021, 103, . | 1.1 | 11 |
| 3746 | Shock-powered radio precursors of neutron star mergers from accelerating relativistic binary winds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 3184-3202. | 1.6 | 35 |
| 3747 | 3D magnetized jet break-out from neutron-star binary merger ejecta: afterglow emission from the jet and the ejecta. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 1843-1855. | 1.6 | 35 |
| 3748 | Gravitational memory effects and Bondi-Metzner-Sachs symmetries in scalar-tensor theories. <i>Journal of High Energy Physics</i> , 2021, 2021, 1. | 1.6 | 22 |
| 3749 | Future physics perspectives on the equation of state from heavy ion collisions to neutron stars. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2021, 48, 073001. | 1.4 | 31 |

| # | ARTICLE | IF | CITATIONS |
|------|---|------|-----------|
| 3750 | The possibility of twin star solutions in a model based on lattice QCD thermodynamics. <i>European Physical Journal C</i> , 2021, 81, 1. | 1.4 | 16 |
| 3751 | Astrophysical hints for magnetic black holes. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 24 |
| 3752 | Gravitational-wave cosmology with extreme mass-ratio inspirals. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 4512-4531. | 1.6 | 26 |
| 3753 | Localized Fast Radio Bursts Are Consistent with Magnetar Progenitors Formed in Core-collapse Supernovae. <i>Astrophysical Journal Letters</i> , 2021, 907, L31. | 3.0 | 28 |
| 3754 | Gravitational Waves, Relic Photons and Higgs Boson in a Fractal Models of the Universe. <i>Springer Proceedings in Complexity</i> , 2019, , 1-14. | 0.2 | 4 |
| 3755 | Searching for Optical Counterparts of LIGO/Virgo Events in O2 Run. <i>Communications in Computer and Information Science</i> , 2020, , 124-143. | 0.4 | 1 |
| 3756 | Second-order post-Minkowskian scattering in arbitrary dimensions. <i>Journal of High Energy Physics</i> , 2020, 2020, 1. | 1.6 | 82 |
| 3757 | The $\hat{1}/2R$ -philic scalar: its loop-induced interactions and Yukawa forces in LIGO observations. <i>Journal of High Energy Physics</i> , 2020, 2020, 1. | 1.6 | 10 |
| 3758 | Horizon radiation reaction forces. <i>Journal of High Energy Physics</i> , 2020, 2020, 1. | 1.6 | 23 |
| 3759 | The boostless bootstrap: amplitudes without Lorentz boosts. <i>Journal of High Energy Physics</i> , 2020, 2020, 1. | 1.6 | 52 |
| 3760 | Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. , 2018, 21, 1. | | 2 |
| 3762 | The golden age of neutron-star physics has arrived. <i>Nature</i> , 2020, 579, 20-22. | 13.7 | 11 |
| 3763 | A peculiar low-luminosity short gamma-ray burst from a double neutron star merger progenitor. , 0, . | | 1 |
| 3764 | Constraints on primordial black hole dark matter from Galactic center X-ray observations. <i>Astronomy and Astrophysics</i> , 2018, 618, A139. | 2.1 | 17 |
| 3765 | Constraining the masses of microlensing black holes and the mass gap with <i>Gaia</i> DR2. <i>Astronomy and Astrophysics</i> , 2020, 636, A20. | 2.1 | 81 |
| 3766 | Neutron-capture elements in dwarf galaxies. <i>Astronomy and Astrophysics</i> , 2020, 641, A127. | 2.1 | 44 |
| 3767 | Masses of double neutron star mergers. <i>Astronomy and Astrophysics</i> , 2020, 639, A123. | 2.1 | 14 |
| 3768 | Homogeneity in the early chemical evolution of the Sextans dwarf spheroidal galaxy. <i>Astronomy and Astrophysics</i> , 2020, 644, A75. | 2.1 | 9 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3769 | Observational constraints on the optical and near-infrared emission from the neutron star–black hole binary merger candidate S190814bv. <i>Astronomy and Astrophysics</i> , 2020, 643, A113. | 2.1 | 70 |
| 3770 | Trans-iron Ge, As, Se, and heavier elements in the dwarf metal-poor stars HD 19445, HD 84937, HD 94028, HD 140283, and HD 160617. <i>Astronomy and Astrophysics</i> , 2020, 638, A64. | 2.1 | 18 |
| 3771 | A wide angle view of the Sagittarius dwarf spheroidal galaxy. <i>Astronomy and Astrophysics</i> , 2020, 641, A135. | 2.1 | 3 |
| 3772 | Axisymmetric equilibrium models for magnetised neutron stars in scalar-tensor theories. <i>Astronomy and Astrophysics</i> , 2020, 640, A44. | 2.1 | 9 |
| 3773 | A search for supernova-like optical counterparts to ASKAP-localised fast radio bursts. <i>Astronomy and Astrophysics</i> , 2020, 639, A119. | 2.1 | 12 |
| 3774 | Neural network reconstruction of the dense matter equation of state derived from the parameters of neutron stars. <i>Astronomy and Astrophysics</i> , 2020, 642, A78. | 2.1 | 30 |
| 3775 | Atmospheric NLTE models for the spectroscopic analysis of blue stars with winds. <i>Astronomy and Astrophysics</i> , 2020, 642, A172. | 2.1 | 15 |
| 3776 | LENSINGGW: a PYTHON package for lensing of gravitational waves. <i>Astronomy and Astrophysics</i> , 2020, 643, A167. | 2.1 | 21 |
| 3777 | High-resolution spectroscopic study of massive blue and red supergiants in Perseus OB1. <i>Astronomy and Astrophysics</i> , 2020, 643, A116. | 2.1 | 9 |
| 3778 | Pre-supernova evolution, compact-object masses, and explosion properties of stripped binary stars. <i>Astronomy and Astrophysics</i> , 2021, 645, A5. | 2.1 | 68 |
| 3779 | Probing the fission properties of neutron-rich actinides with the astrophysical α process. <i>EPJ Web of Conferences</i> , 2020, 242, 04002. | 0.1 | 2 |
| 3780 | Geodesic equations for particles and light in the black spindle spacetime. <i>Journal of Mathematical Physics</i> , 2020, 61, 122504. | 0.5 | 4 |
| 3781 | New methods to assess and improve LIGO detector duty cycle. <i>Classical and Quantum Gravity</i> , 2020, 37, 175008. | 1.5 | 5 |
| 3782 | Utilizing aLIGO glitch classifications to validate gravitational-wave candidates. <i>Classical and Quantum Gravity</i> , 2020, 37, 145001. | 1.5 | 27 |
| 3783 | The mass quadrupole moment of compact binary systems at the fourth post-Newtonian order. <i>Classical and Quantum Gravity</i> , 2020, 37, 215006. | 1.5 | 25 |
| 3784 | Analyses of residual accelerations for TianQin based on the global MHD simulation. <i>Classical and Quantum Gravity</i> , 2020, 37, 185017. | 1.5 | 14 |
| 3785 | Low phase noise squeezed vacuum for future generation gravitational wave detectors. <i>Classical and Quantum Gravity</i> , 2020, 37, 185014. | 1.5 | 5 |
| 3786 | ELGAR—a European Laboratory for Gravitation and Atom-interferometric Research. <i>Classical and Quantum Gravity</i> , 2020, 37, 225017. | 1.5 | 63 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3787 | Generalized uncertainty principle in resonant detectors of gravitational waves. <i>Classical and Quantum Gravity</i> , 2020, 37, 195006. | 1.5 | 13 |
| 3788 | Where is Love? Tidal deformability in the black hole compactness limit. <i>Classical and Quantum Gravity</i> , 2020, 37, 195017. | 1.5 | 13 |
| 3789 | The missing link in gravitational-wave astronomy: discoveries waiting in the decihertz range. <i>Classical and Quantum Gravity</i> , 2020, 37, 215011. | 1.5 | 90 |
| 3790 | Gravitational collapse in cubic Horndeski theories. <i>Classical and Quantum Gravity</i> , 2020, 37, 225009. | 1.5 | 25 |
| 3791 | Anisotropic deformations in a class of projectively-invariant metric-affine theories of gravity. <i>Classical and Quantum Gravity</i> , 2020, 37, 225013. | 1.5 | 13 |
| 3792 | Brans-Dicke cosmology with a $\hat{\nu}$ -term: a possible solution to $\hat{\nu}$ CDM tensions*. <i>Classical and Quantum Gravity</i> , 2020, 37, 245003. | 1.5 | 54 |
| 3793 | Axisymmetric hydrodynamics in numerical relativity using a multipatch method. <i>Classical and Quantum Gravity</i> , 2020, 37, 235010. | 1.5 | 2 |
| 3794 | Improving the robustness of the advanced LIGO detectors to earthquakes. <i>Classical and Quantum Gravity</i> , 2020, 37, 235007. | 1.5 | 11 |
| 3795 | Gravitational waves in higher order teleparallel gravity. <i>Classical and Quantum Gravity</i> , 2020, 37, 235013. | 1.5 | 20 |
| 3796 | Accelerating the evaluation of inspiral-merger-ringdown waveforms with adapted grids. <i>Classical and Quantum Gravity</i> , 2021, 38, 015006. | 1.5 | 26 |
| 3797 | A fixed point for black hole distributions. <i>Classical and Quantum Gravity</i> , 2021, 38, 045012. | 1.5 | 6 |
| 3798 | New ideas in constraining nuclear forces. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2020, 47, 103001. | 1.4 | 34 |
| 3799 | Study of nuclear matter properties for hybrid EoS. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2020, 47, 105104. | 1.4 | 4 |
| 3800 | Properties of nuclear matter in relativistic Brueckner-Hartree-Fock model with high-precision charge-dependent potentials. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2020, 47, 105108. | 1.4 | 9 |
| 3801 | Nuclei in central engine of core-collapse supernovae. <i>Physica Scripta</i> , 2020, 95, 074002. | 1.2 | 3 |
| 3802 | Definition of complexity factor for self-gravitating systems in Palatini $f(R)$ gravity. <i>Physica Scripta</i> , 2020, 95, 075307. | 1.2 | 58 |
| 3803 | Forecast for cosmological parameter estimation with gravitational-wave standard siren observation from the Cosmic Explorer. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 051-051. | 1.9 | 41 |
| 3804 | Calibration of systematics in constraining modified gravity models with galaxy cluster mass profiles. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 024-024. | 1.9 | 7 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3805 | High-energy neutrinos from fallback accretion of binary neutron star merger remnants. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 045-045. | 1.9 | 17 |
| 3806 | Scaling solutions and weak gravity in dark energy with energy and momentum couplings. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 020-020. | 1.9 | 26 |
| 3807 | Extended cuscuton as dark energy. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 004-004. | 1.9 | 26 |
| 3808 | New measures to test modified gravity cosmologies. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 059-059. | 1.9 | 3 |
| 3809 | Testing non-minimally coupled BEC dark matter with gravitational waves. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 065-065. | 1.9 | 7 |
| 3810 | Perturbative deflection angle for signal with finite distance and general velocities. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 016-016. | 1.9 | 14 |
| 3811 | Extreme mass ratio inspirals with scalar hair. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 023-023. | 1.9 | 4 |
| 3812 | Improved treatment of dark matter capture in neutron stars. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 028-028. | 1.9 | 63 |
| 3813 | Gravitational waves induced by scalar perturbations with a lognormal peak. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 037-037. | 1.9 | 91 |
| 3814 | Horndeski under the quantum loupe. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 010-010. | 1.9 | 15 |
| 3815 | Limited modified gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 042-042. | 1.9 | 13 |
| 3816 | Proca-stinated cosmology. Part I. A N-body code for the vector Galileon. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 055-055. | 1.9 | 3 |
| 3817 | A simple parity violating gravity model without ghost instability. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 023-023. | 1.9 | 35 |
| 3818 | General formulation of cosmological perturbations in scalar-tensor dark energy coupled to dark matter. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 032-032. | 1.9 | 19 |
| 3819 | Searching for general binary inspirals with gravitational waves. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 033-033. | 1.9 | 12 |
| 3820 | Gravitational waves and geometrical optics in scalar-tensor theories. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 040-040. | 1.9 | 21 |
| 3821 | Existence and instability of hairy black holes in shift-symmetric Horndeski theories. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 044-044. | 1.9 | 32 |
| 3822 | Constraints on dark energy models from the Horndeski theory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 057-057. | 1.9 | 11 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3823 | Dark energy loopholes some time after GW170817. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 063-063. | 1.9 | 7 |
| 3824 | Constraints on the distance duality relation with standard sirens. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 019-019. | 1.9 | 29 |
| 3825 | Parameterised post-Newtonian formalism for the effective field theory of dark energy via screened reconstructed Horndeski theories. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 032-032. | 1.9 | 11 |
| 3826 | The well-tempered cosmological constant: the Horndeski variations. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 036-036. | 1.9 | 11 |
| 3827 | Neutron stars in $f(R)$ gravity using realistic equations of state in the light of massive pulsars and GW170817. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 039-039. | 1.9 | 33 |
| 3828 | Design and Operation of the ATLAS Transient Science Server. <i>Publications of the Astronomical Society of the Pacific</i> , 2020, 132, 085002. | 1.0 | 138 |
| 3829 | Seeing-limited Imaging Sky Surveys—Small versus Large Telescopes. <i>Publications of the Astronomical Society of the Pacific</i> , 2020, 132, 125004. | 1.0 | 16 |
| 3830 | The gravitational wave emission of double white dwarf coalescences. <i>Research in Astronomy and Astrophysics</i> , 2020, 20, 137. | 0.7 | 7 |
| 3831 | A fifty-fold improvement of thermal noise limited inertial sensitivity by operating at cryogenic temperatures. <i>Journal of Instrumentation</i> , 2020, 15, P06034-P06034. | 0.5 | 9 |
| 3832 | Diffraction losses of a Fabry-Perot cavity with nonidentical non-spherical mirrors. <i>Journal of Optics (United Kingdom)</i> , 2020, 22, 115603. | 1.0 | 1 |
| 3833 | Convolutional neural network classifier for the output of the time-domain \mathcal{F} -statistic all-sky search for continuous gravitational waves. <i>Machine Learning: Science and Technology</i> , 2020, 1, 025016. | 2.4 | 18 |
| 3834 | iDQ: Statistical inference of non-gaussian noise with auxiliary degrees of freedom in gravitational-wave detectors. <i>Machine Learning: Science and Technology</i> , 2021, 2, 015004. | 2.4 | 18 |
| 3835 | Enhancing gravitational-wave science with machine learning. <i>Machine Learning: Science and Technology</i> , 2021, 2, 011002. | 2.4 | 91 |
| 3836 | Interpreting the X-ray afterglows of gamma-ray bursts with radiative losses and millisecond magnetars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 5986-5992. | 1.6 | 14 |
| 3837 | What if the neutron star maximum mass is beyond $\sim 1.423 M_{\odot}$? <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 4526-4533. | 1.6 | 6 |
| 3838 | Constraining delay time distribution of binary neutron star mergers from host galaxy properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 5220-5229. | 1.6 | 11 |
| 3839 | A scalable random forest regressor for combining neutron-star equation of state measurements: a case study with GW170817 and GW190425. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 5972-5977. | 1.6 | 27 |
| 3840 | Jet propagation in expanding medium for gamma-ray bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 627-642. | 1.6 | 28 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3841 | Can jets make the radioactively powered emission from neutron star mergers bluer?. Monthly Notices of the Royal Astronomical Society, 2020, 500, 1772-1783. | 1.6 | 41 |
| 3842 | Predicted rates of merging neutron stars in galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 500, 1071-1086. | 1.6 | 14 |
| 3843 | PS15cey and PS17cke: prospective candidates from the Pan-STARRS Search for kilonovae. Monthly Notices of the Royal Astronomical Society, 2020, 500, 4213-4228. | 1.6 | 13 |
| 3844 | Binary population synthesis with probabilistic remnant mass and kick prescriptions. Monthly Notices of the Royal Astronomical Society, 2020, 500, 1380-1384. | 1.6 | 49 |
| 3845 | <i>Gaia</i> pulsars and where to find them. Monthly Notices of the Royal Astronomical Society, 2020, 501, 1116-1126. | 1.6 | 23 |
| 3846 | Modelling neutron star mountains. Monthly Notices of the Royal Astronomical Society, 2020, 500, 5570-5582. | 1.6 | 37 |
| 3847 | Polarized kilonovae from black hole–neutron star mergers. Monthly Notices of the Royal Astronomical Society, 2020, 501, 1891-1899. | 1.6 | 18 |
| 3848 | Grids of stellar models with rotation $\leq V$. Models from 1.7 to 120 M_{\odot} at zero metallicity. Monthly Notices of the Royal Astronomical Society, 2021, 501, 2745-2763. | 1.6 | 27 |
| 3849 | Model-independent discovery prospects for primordial black holes at LIGO. Monthly Notices of the Royal Astronomical Society, 0, , . | 1.6 | 7 |
| 3850 | Formation of GW190521 from stellar evolution: the impact of the hydrogen-rich envelope, dredge-up, and $^{12}\text{C}(\alpha, n)^{13}\text{C}$ rate on the pair-instability black hole mass gap. Monthly Notices of the Royal Astronomical Society, 2021, 501, 4514-4533. | 1.6 | 94 |
| 3851 | Measuring the viscosity of dark matter with strongly lensed gravitational waves. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 502, L16-L20. | 1.2 | 17 |
| 3852 | Propagation of statistical uncertainties of Skyrme mass models to simulations of r -process nucleosynthesis. Physical Review C, 2020, 101, . | 1.1 | 32 |
| 3853 | Electric and magnetic dipole strength in ^{112}Sn and ^{114}Sn . Physical Review C, 2020, 102, . | 1.1 | 25 |
| 3854 | Multilayer neutron stars with scalar mesons crossing term. Physical Review C, 2020, 102, . | 1.1 | 7 |
| 3855 | GW190814: Impact of a 2.6 solar mass neutron star on the nucleonic equations of state. Physical Review C, 2020, 102, . | 1.1 | 101 |
| 3856 | Nonperturbative analysis of the gravitational waves from a first-order electroweak phase transition. Physical Review D, 2019, 100, . | 1.6 | 60 |
| 3857 | Mass ejection from disks surrounding a low-mass black hole: Viscous neutrino-radiation hydrodynamics simulation in full general relativity. Physical Review D, 2020, 101, . | 1.6 | 77 |
| 3858 | Gravitomagnetic tidal resonance in neutron-star binary inspirals. Physical Review D, 2020, 101, . | 1.6 | 29 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3859 | Deconfined, massive quark phase at high density and compact stars: A holographic study. Physical Review D, 2020, 101, . | 1.6 | 31 |
| 3860 | Extending the PyCBC search for gravitational waves from compact binary mergers to a global network. Physical Review D, 2020, 102, . | 1.6 | 58 |
| 3861 | Quantifying the effect of power spectral density uncertainty on gravitational-wave parameter estimation for compact binary sources. Physical Review D, 2020, 102, . | 1.6 | 28 |
| 3862 | Probing resonant excitations in exotic compact objects via gravitational waves. Physical Review D, 2020, 102, . | 1.6 | 7 |
| 3863 | Observational constraints on the regularized 4D Einstein-Gauss-Bonnet theory of gravity. Physical Review D, 2020, 102, . | 1.6 | 48 |
| 3864 | Gravitational-wave astronomy with a physical calibration model. Physical Review D, 2020, 102, . | 1.6 | 28 |
| 3865 | Constraining the onset density of the hadron-quark phase transition with gravitational-wave observations. Physical Review D, 2020, 102, . | 1.6 | 51 |
| 3866 | Establishing the significance of continuous gravitational-wave detections from known pulsars. Physical Review D, 2020, 102, . | 1.6 | 13 |
| 3867 | Parameter estimation of stellar-mass black hole binaries with LISA. Physical Review D, 2020, 102, . | 1.6 | 28 |
| 3868 | Time-frequency analysis of gravitational wave data. Physical Review D, 2020, 102, . | 1.6 | 22 |
| 3869 | Early evolutionary tracks of low-mass stellar objects in modified gravity. Physical Review D, 2020, 102, . | 1.6 | 24 |
| 3870 | Application of the third RIT binary black hole simulations catalog to parameter estimation of gravitational-wave signals from the LIGO-Virgo O1 and O2 observational runs. Physical Review D, 2020, 102, . | 1.6 | 7 |
| 3871 | Multipole moments of compact objects with NUT charge: Theoretical and observational implications. Physical Review D, 2020, 102, . | 1.6 | 15 |
| 3872 | New rotating black holes in nonlinear Maxwell $\langle \text{mml:math} \langle \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \rangle f \langle \text{mml:mi} \rangle \langle \text{mml:mo stretchy="false"} \rangle \langle \text{mml:mi} \rangle T_j \text{ ETQq1 1 0.784314 rgs /Over } \text{gravity. Physical Review D, 2020, 102, .$ | 1.6 | 25 |
| 3873 | Hamiltonian for tidal interactions in compact binary systems to next-to-next-to-leading post-Newtonian order. Physical Review D, 2020, 102, . | 1.6 | 7 |
| 3874 | Black hole-neutron star coalescence: Effects of the neutron star spin on jet launching and dynamical ejecta mass. Physical Review D, 2020, 102, . | 1.6 | 15 |
| 3875 | Nonrotating black hole in a post-Newtonian tidal environment. II.. Physical Review D, 2018, 97, . | 1.6 | 10 |
| 3876 | Inference of the Neutron Star Equation of State from Cosmological Distances. Physical Review Letters, 2020, 125, 261101. | 2.9 | 14 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3877 | Neutron Star Equation of State in Light of GW190814. <i>Physical Review Letters</i> , 2020, 125, 261104. | 2.9 | 86 |
| 3878 | Thermal noise from icy mirrors in gravitational wave detectors. <i>Physical Review Research</i> , 2019, 1, . | 1.3 | 9 |
| 3879 | Surrogate models for preprocessing binary black hole simulations with unequal masses. <i>Physical Review Research</i> , 2019, 1, . | 1.3 | 213 |
| 3880 | Discrepancy in tidal deformability of GW170817 between the Advanced LIGO twin detectors. <i>Physical Review Research</i> , 2019, 1, . | 1.3 | 13 |
| 3881 | Novel signatures of dark matter in laser-interferometric gravitational-wave detectors. <i>Physical Review Research</i> , 2019, 1, . | 1.3 | 91 |
| 3882 | Critical end point and universality class of neutron P superfluids in neutron stars. <i>Physical Review Research</i> , 2020, 2, . | 1.3 | 13 |
| 3883 | Standardizing kilonovae and their use as standard candles to measure the Hubble constant. <i>Physical Review Research</i> , 2020, 2, . | 1.3 | 35 |
| 3884 | Nuclear and neutron-star matter from local chiral interactions. <i>Physical Review Research</i> , 2020, 2, . | 1.3 | 61 |
| 3885 | Implications of the S_{36} and $S_{36}Ca$ χ^2 minima. <i>Physical Review Research</i> , 2020, 2, . | 1.3 | 13 |
| 3886 | Setting nonperturbative uncertainties on finite-temperature properties of neutron matter. <i>Physical Review Research</i> , 2020, 2, . | 1.3 | 13 |
| 3887 | Influence of deposition parameters on the optical absorption of amorphous silicon thin films. <i>Physical Review Research</i> , 2020, 2, . | 1.3 | 1 |
| 3888 | Parameter estimation for strong phase transitions in supranuclear matter using gravitational-wave astronomy. <i>Physical Review Research</i> , 2020, 2, . | 1.3 | 19 |
| 3889 | Reanalysis of the binary neutron star mergers GW170817 and GW190425 using numerical-relativity calibrated waveform models. <i>Physical Review Research</i> , 2020, 2, . | 1.3 | 17 |
| 3890 | Measuring precession in asymmetric compact binaries. <i>Physical Review Research</i> , 2020, 2, . | 1.3 | 27 |
| 3891 | The FORCE mission: science aim and instrument parameter for broadband x-ray imaging spectroscopy with good angular resolution. , 2018, , . | | 18 |
| 3892 | A telescope control and scheduling system for the Gravitational-wave Optical Transient Observer (GOTO). , 2018, , . | | 14 |
| 3893 | CAMELOT: Cubesats Applied for MEasuring and LOcalising Transients mission overview. , 2018, , . | | 12 |
| 3894 | The gamma-ray transient monitor for ISS-TAO: new directional capabilities. , 2018, , . | | 2 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3895 | Laser system development for the LISA (Laser Interferometer Space Antenna) mission. , 2019, , . | | 3 |
| 3896 | LISA laser system and European development strategy. , 2019, , . | | 3 |
| 3897 | The HERMES-technologic and scientific pathfinder. , 2020, , . | | 19 |
| 3898 | The Gravitational-wave Optical Transient Observer (GOTO). , 2020, , . | | 9 |
| 3899 | Studying the Landau Mass Parameter of the Extended \tilde{f} - \tilde{f} % Model for Neutron Star Matter. Physics of Particles and Nuclei, 2020, 51, 725-729. | 0.2 | 6 |
| 3900 | A mixing interpolation method to mimic pasta phases in compact star matter. European Physical Journal A, 2020, 56, 1. | 1.0 | 8 |
| 3901 | Anisotropic neutron stars modelling: constraints in Kroriâ€™Barua spacetime. European Physical Journal C, 2020, 80, 1. | 1.4 | 55 |
| 3902 | Gravitational wave signatures of highly magnetized neutron stars. European Physical Journal C, 2020, 80, 1. | 1.4 | 18 |
| 3903 | Confronting inflation models with the coming observations on primordial gravitational waves. European Physical Journal C, 2020, 80, 1. | 1.4 | 3 |
| 3904 | Primordial gravitational waves spectrum in the Coupled-Scalar-Tachyon Bounce Universe. European Physical Journal C, 2020, 80, 1. | 1.4 | 4 |
| 3905 | Pure electromagnetic-gravitational interaction in HoÅ™avaâ€™Lifshitz theory at the kinetic conformal point. European Physical Journal C, 2020, 80, 1. | 1.4 | 9 |
| 3906 | Exploring the CPT violation and birefringence of gravitational waves with ground- and space-based gravitational-wave interferometers. European Physical Journal C, 2020, 80, 1. | 1.4 | 9 |
| 3907 | PhaseTracer: tracing cosmological phases and calculating transition properties. European Physical Journal C, 2020, 80, 1. | 1.4 | 20 |
| 3908 | Model-independent test of the parity symmetry of gravity with gravitational waves. European Physical Journal C, 2020, 80, 1. | 1.4 | 21 |
| 3909 | Modifications to gravitational wave equation from canonical quantum gravity. European Physical Journal C, 2020, 80, 1. | 1.4 | 9 |
| 3910 | Combining neutrino experimental light-curves for pointing to the next galactic core-collapse supernova. European Physical Journal C, 2020, 80, 1. | 1.4 | 9 |
| 3911 | Studying the parameters of the extended \tilde{f} - \tilde{f} % model for neutron star matter. European Physical Journal: Special Topics, 2020, 229, 3615-3628. | 1.2 | 7 |
| 3912 | Impact of quark deconfinement in neutron star mergers and hybrid star mergers. European Physical Journal: Special Topics, 2020, 229, 3595-3604. | 1.2 | 16 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3913 | Nonperturbative quark matter equations of state with vector interactions. <i>European Physical Journal: Special Topics</i> , 2020, 229, 3629-3649. | 1.2 | 25 |
| 3914 | Astrophysical Aspects of General Relativistic Mass Twin Stars. , 2020, , 207-256. | | 9 |
| 3915 | A metric-affine version of the Horndeski theory. <i>International Journal of Modern Physics A</i> , 2020, 35, 2040010. | 0.5 | 12 |
| 3916 | Astrodynamical middle-frequency interferometric gravitational wave observatory AMIGO: Mission concept and orbit design. <i>International Journal of Modern Physics D</i> , 2020, 29, 1940007. | 0.9 | 13 |
| 3917 | Quantum magnetic collapse of a partially bosonized npe-gas: Implications for astrophysical jets. <i>International Journal of Modern Physics D</i> , 2021, 30, 2150007. | 0.9 | 2 |
| 3918 | Hadron resonance gas with van der Waals interactions. <i>International Journal of Modern Physics E</i> , 2020, 29, 2040002. | 0.4 | 11 |
| 3919 | Performance study of a high-power single-frequency fiber amplifier architecture for gravitational wave detectors. <i>Applied Optics</i> , 2020, 59, 7945. | 0.9 | 10 |
| 3920 | Optics mounting and alignment for the central optical bench of the dual cavity enhanced light-shining-through-a-wall experiment ALPS II. <i>Applied Optics</i> , 2020, 59, 8839. | 0.9 | 3 |
| 3921 | Apparatus to Measure Optical Scatter of Coatings Versus Annealing Temperature. , 2019, , . | | 1 |
| 3922 | Highly efficient generation of coherent light at 2128nm via degenerate optical-parametric oscillation. <i>Optics Letters</i> , 2020, 45, 6194. | 1.7 | 4 |
| 3923 | Optical triangulations of curved spaces. <i>Optica</i> , 2020, 7, 142. | 4.8 | 6 |
| 3924 | OctApps: a library of Octave functions for continuous gravitational-wave data analysis. <i>Journal of Open Source Software</i> , 2018, 3, 707. | 2.0 | 11 |
| 3925 | Evanescent ergosurface instability. <i>Analysis and PDE</i> , 2020, 13, 1833-1896. | 0.6 | 4 |
| 3926 | Gravitational wave probes of dark matter: challenges and opportunities. <i>SciPost Physics Core</i> , 2020, 3, . | 0.9 | 52 |
| 3927 | Dense Baryonic Matter and Applications of QCD Phase Diagram Dualities. <i>Particles</i> , 2020, 3, 62-79. | 0.5 | 8 |
| 3928 | The Tidal Clock Effects of the Lunisolar Gravitational Field and the Earth's Tidal Deformation. <i>Astronomical Journal</i> , 2020, 160, 272. | 1.9 | 3 |
| 3929 | The Impact of Pair-instability Mass Loss on the Binary Black Hole Mass Distribution. <i>Astrophysical Journal</i> , 2019, 882, 121. | 1.6 | 114 |
| 3930 | Radio Follow-up of a Candidate $\hat{\gamma}$ -Ray Transient in the Sky Localization Area of GW170608. <i>Astrophysical Journal</i> , 2019, 884, 16. | 1.6 | 3 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3931 | Measurement of the Nuclear Symmetry Energy Parameters from Gravitational-wave Events. <i>Astrophysical Journal</i> , 2019, 885, 121. | 1.6 | 27 |
| 3932 | Calibrating the Cosmic Distance Ladder Using Gravitational-wave Observations. <i>Astrophysical Journal</i> , 2019, 886, 71. | 1.6 | 13 |
| 3933 | New Constraints on the Nuclear Equation of State from the Thermal Emission of Neutron Stars in Quiescent Low-mass X-Ray Binaries. <i>Astrophysical Journal</i> , 2019, 887, 48. | 1.6 | 36 |
| 3934 | Constraints on Nonlinear Tides due to g Mode Coupling from the Neutron Star Merger GW170817. <i>Astrophysical Journal</i> , 2020, 894, 41. | 1.6 | 6 |
| 3935 | Close-in Exoplanets as Candidates for Strange Quark Matter Objects. <i>Astrophysical Journal</i> , 2020, 890, 41. | 1.6 | 12 |
| 3936 | GROWTH on S190814bv: Deep Synoptic Limits on the Optical/Near-infrared Counterpart to a Neutron Star–Black Hole Merger. <i>Astrophysical Journal</i> , 2020, 890, 131. | 1.6 | 74 |
| 3937 | Effects of Symmetry Energy on the Equation of State for Simulations of Core-collapse Supernovae and Neutron-star Mergers. <i>Astrophysical Journal</i> , 2020, 891, 148. | 1.6 | 55 |
| 3938 | Revising Natal Kick Prescriptions in Population Synthesis Simulations. <i>Astrophysical Journal</i> , 2020, 891, 141. | 1.6 | 71 |
| 3939 | PSR J0030+0451, GW170817, and the Nuclear Data: Joint Constraints on Equation of State and Bulk Properties of Neutron Stars. <i>Astrophysical Journal</i> , 2020, 892, 55. | 1.6 | 65 |
| 3940 | Deep Learning the Morphology of Dark Matter Substructure. <i>Astrophysical Journal</i> , 2020, 893, 15. | 1.6 | 29 |
| 3941 | The Rarity of Repeating Fast Radio Bursts from Binary Neutron Star Mergers. <i>Astrophysical Journal</i> , 2020, 893, 44. | 1.6 | 7 |
| 3942 | Constraining Short Gamma-Ray Burst Jet Properties with Gravitational Waves and Gamma-Rays. <i>Astrophysical Journal</i> , 2020, 893, 38. | 1.6 | 21 |
| 3943 | Choked Accretion onto a Schwarzschild Black Hole: A Hydrodynamical Jet-launching Mechanism. <i>Astrophysical Journal</i> , 2020, 893, 81. | 1.6 | 8 |
| 3944 | Constraint on the Ejecta Mass for Black Hole–Neutron Star Merger Event Candidate S190814bv. <i>Astrophysical Journal</i> , 2020, 893, 153. | 1.6 | 26 |
| 3945 | The Gravitational Wave Treasure Map: A Tool to Coordinate, Visualize, and Assess the Electromagnetic Follow-up of Gravitational-wave Events. <i>Astrophysical Journal</i> , 2020, 894, 127. | 1.6 | 26 |
| 3946 | Description of Atypical Bursts Seen Slightly Off-axis. <i>Astrophysical Journal</i> , 2020, 896, 25. | 1.6 | 10 |
| 3947 | Counting on Short Gamma-Ray Bursts: Gravitational-wave Constraints of Jet Geometry. <i>Astrophysical Journal</i> , 2020, 895, 108. | 1.6 | 12 |
| 3948 | Discovery of a Universal Correlation for Long and Short GRBs and Its Application for the Study of Luminosity Function and Formation Rate. <i>Astrophysical Journal</i> , 2020, 896, 83. | 1.6 | 7 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3949 | Coproduction of Light and Heavy r-process Elements via Fission Deposition. <i>Astrophysical Journal</i> , 2020, 896, 28. | 1.6 | 32 |
| 3950 | Kilonova Emission from Black Hole–Neutron Star Mergers. I. Viewing-angle-dependent Lightcurves. <i>Astrophysical Journal</i> , 2020, 897, 20. | 1.6 | 37 |
| 3951 | Gravitational-wave Memory from a Propagating Relativistic Jet: A Probe of the Interior of Gamma-Ray Burst Progenitors. <i>Astrophysical Journal</i> , 2020, 897, 19. | 1.6 | 10 |
| 3952 | The R-Process Alliance: A Very Metal-poor, Extremely r-process-enhanced Star with $[Eu/Fe] = +2.2$, and the Class of r-II Stars*. <i>Astrophysical Journal</i> , 2020, 898, 40. | 1.6 | 11 |
| 3953 | Properties of Neutron Stars Described by a Relativistic Ab Initio Model. <i>Astrophysical Journal</i> , 2020, 897, 96. | 1.6 | 10 |
| 3954 | Bayesian Inference of Dense Matter Equation of State within Relativistic Mean Field Models Using Astrophysical Measurements. <i>Astrophysical Journal</i> , 2020, 897, 165. | 1.6 | 46 |
| 3955 | Inclination Dependence of Kilonova Light Curves from Globally Aspherical Geometries. <i>Astrophysical Journal</i> , 2020, 897, 150. | 1.6 | 45 |
| 3956 | Intrinsic Properties of the Engine and Jet that Powered the Short Gamma-Ray Burst Associated with GW170817. <i>Astrophysical Journal</i> , 2020, 898, 59. | 1.6 | 20 |
| 3957 | The Cosmic Merger Rate Density Evolution of Compact Binaries Formed in Young Star Clusters and in Isolated Binaries. <i>Astrophysical Journal</i> , 2020, 898, 152. | 1.6 | 75 |
| 3958 | Formation and Evolution of Compact-object Binaries in AGN Disks. <i>Astrophysical Journal</i> , 2020, 898, 25. | 1.6 | 207 |
| 3959 | Radio Emission from Ultra-stripped Supernovae as Diagnostics for Properties of the Remnant Double Neutron Star Binaries. <i>Astrophysical Journal</i> , 2020, 898, 158. | 1.6 | 5 |
| 3960 | The R-Process Alliance: First Magellan/MIKE Release from the Southern Search for R-process-enhanced Stars*. <i>Astrophysical Journal</i> , 2020, 898, 150. | 1.6 | 46 |
| 3961 | COSMIC Variance in Binary Population Synthesis. <i>Astrophysical Journal</i> , 2020, 898, 71. | 1.6 | 170 |
| 3962 | Physical Implications of the Subthreshold GRB GBM-190816 and Its Associated Subthreshold Gravitational-wave Event. <i>Astrophysical Journal</i> , 2020, 899, 60. | 1.6 | 11 |
| 3963 | Testing the Cosmic Opacity at Higher Redshifts: Implication from Quasars with Available UV and X-Ray Observations. <i>Astrophysical Journal</i> , 2020, 899, 71. | 1.6 | 19 |
| 3964 | On the Minimum Radius of Very Massive Neutron Stars. <i>Astrophysical Journal</i> , 2020, 899, 164. | 1.6 | 33 |
| 3965 | Statistical Study of Gamma-Ray Bursts with Jet Break Features in Multiwavelength Afterglow Emissions. <i>Astrophysical Journal</i> , 2020, 900, 112. | 1.6 | 18 |
| 3966 | Does GW190425 Require an Alternative Formation Pathway than a Fast-merging Channel?. <i>Astrophysical Journal</i> , 2020, 900, 13. | 1.6 | 22 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3967 | Adiabatic Mass Loss in Binary Stars. III. From the Base of the Red Giant Branch to the Tip of the Asymptotic Giant Branch. <i>Astrophysical Journal</i> , 2020, 899, 132. | 1.6 | 35 |
| 3968 | Gravitational-wave Capture in Spinning Black Hole Encounters. <i>Astrophysical Journal</i> , 2020, 900, 175. | 1.6 | 5 |
| 3969 | SN2019dge: A Helium-rich Ultra-stripped Envelope Supernova. <i>Astrophysical Journal</i> , 2020, 900, 46. | 1.6 | 38 |
| 3970 | Testing the Weak Equivalence Principle with the Binary Neutron Star Merger GW 170817: The Gravitational Contribution of the Host Galaxy. <i>Astrophysical Journal</i> , 2020, 900, 31. | 1.6 | 3 |
| 3971 | Simulations of Early Kilonova Emission from Neutron Star Mergers. <i>Astrophysical Journal</i> , 2020, 901, 29. | 1.6 | 50 |
| 3972 | The Origin of Elements from Carbon to Uranium. <i>Astrophysical Journal</i> , 2020, 900, 179. | 1.6 | 348 |
| 3973 | 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. | 1.6 | 28 |
| 3974 | Postmerger Mass Ejection of Low-mass Binary Neutron Stars. <i>Astrophysical Journal</i> , 2020, 901, 122. | 1.6 | 66 |
| 3975 | Non-Newtonian Gravity in Strange Quark Stars and Constraints from the Observations of PSR J0740+6620 and GW170817. <i>Astrophysical Journal</i> , 2020, 902, 32. | 1.6 | 13 |
| 3976 | Localization of Compact Binary Sources with Second-generation Gravitational-wave Interferometer Networks. <i>Astrophysical Journal</i> , 2020, 902, 71. | 1.6 | 13 |
| 3977 | The Jet Structure and the Intrinsic Luminosity Function of Short Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2020, 902, 83. | 1.6 | 15 |
| 3978 | A Late-time Radio Survey of Short Gamma-ray Bursts at $z \lesssim 0.5$: New Constraints on the Remnants of Neutron-star Mergers. <i>Astrophysical Journal</i> , 2020, 902, 82. | 1.6 | 31 |
| 3979 | Incompleteness Matters Not: Inference of H_0 from Binary Black Hole “Galaxy Cross-correlations. <i>Astrophysical Journal</i> , 2020, 902, 79. | 1.6 | 27 |
| 3980 | The Boltzmann-radiation-hydrodynamics Simulations of Core-collapse Supernovae with Different Equations of State: The Role of Nuclear Composition and the Behavior of Neutrinos. <i>Astrophysical Journal</i> , 2020, 902, 150. | 1.6 | 26 |
| 3981 | A Measurement of the Hubble Constant Using Gravitational Waves from the Binary Merger GW190814. <i>Astrophysical Journal</i> , 2020, 902, 149. | 1.6 | 15 |
| 3982 | Neutron Star “Black Hole Mergers from Gravitational-wave Captures. <i>Astrophysical Journal</i> , 2020, 903, 8. | 1.6 | 21 |
| 3983 | A DESGW Search for the Electromagnetic Counterpart to the LIGO/Virgo Gravitational-wave Binary Neutron Star Merger Candidate S190510g. <i>Astrophysical Journal</i> , 2020, 903, 75. | 1.6 | 8 |
| 3984 | The Possibility of the Secondary Object in GW190814 as a Neutron Star. <i>Astrophysical Journal</i> , 2020, 904, 39. | 1.6 | 57 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3985 | Cosmological Insights into the Early Accretion of r-process-enhanced Stars. I. A Comprehensive Chemodynamical Analysis of LAMOST J1109+0754. <i>Astrophysical Journal</i> , 2020, 903, 88. | 1.6 | 25 |
| 3986 | Discriminating between Neutron Stars and Black Holes with Imperfect Knowledge of the Maximum Neutron Star Mass. <i>Astrophysical Journal</i> , 2020, 904, 80. | 1.6 | 47 |
| 3987 | Constraining Hadron-quark Phase Transition Parameters within the Quark-mean-field Model Using Multimessenger Observations of Neutron Stars. <i>Astrophysical Journal</i> , 2020, 904, 103. | 1.6 | 38 |
| 3988 | Stars Stripped in Binaries: The Living Gravitational-wave Sources. <i>Astrophysical Journal</i> , 2020, 904, 56. | 1.6 | 19 |
| 3989 | Lifting the Veil on Quark Matter in Compact Stars with Core g-mode Oscillations. <i>Astrophysical Journal</i> , 2020, 904, 187. | 1.6 | 18 |
| 3990 | The X-Ray Fundamental Plane of the Platinum Sample, the Kilonovae, and the SNe Ib/c Associated with GRBs. <i>Astrophysical Journal</i> , 2020, 904, 97. | 1.6 | 46 |
| 3991 | Constraining the Kilonova Rate with Zwicky Transient Facility Searches Independent of Gravitational Wave and Short Gamma-Ray Burst Triggers. <i>Astrophysical Journal</i> , 2020, 904, 155. | 1.6 | 26 |
| 3992 | Strong Post-merger Gravitational Radiation of GW170817-like Events. <i>Astrophysical Journal</i> , 2020, 904, 119. | 1.6 | 7 |
| 3993 | Structure of Quark Star: A Comparative Analysis of Bayesian Inference and Neural Network Based Modeling. <i>Astrophysical Journal</i> , 2020, 905, 9. | 1.6 | 11 |
| 3994 | The Binaryâ€Host Connection: Astrophysics of Gravitational-Wave Binaries from Host Galaxy Properties. <i>Astrophysical Journal</i> , 2020, 905, 21. | 1.6 | 17 |
| 3995 | Gravitational-wave Constraints on the Cosmic Opacity at $z \sim 1/4$: Forecast from Space Gravitational-wave Antenna DECIGO. <i>Astrophysical Journal</i> , 2020, 905, 54. | 1.6 | 14 |
| 3996 | The Distant, Galaxy Cluster Environment of the Short GRB 161104A at $z \sim 0.8$ and a Comparison to the Short GRB Host Population. <i>Astrophysical Journal</i> , 2020, 904, 52. | 1.6 | 17 |
| 3997 | Forward Modeling of Double Neutron Stars: Insights from Highly Offset Short Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2020, 904, 190. | 1.6 | 13 |
| 3998 | 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. | 1.6 | 69 |
| 3999 | GW190814: Spin and Equation of State of a Neutron Star Companion. <i>Astrophysical Journal</i> , 2020, 905, 48. | 1.6 | 63 |
| 4000 | The r-Process Alliance: Fourth Data Release from the Search for r-process-enhanced Stars in the Galactic Halo. <i>Astrophysical Journal, Supplement Series</i> , 2020, 249, 30. | 3.0 | 61 |
| 4001 | Comprehensive Analysis of the Tidal Effect in Gravitational Waves and Implication for Cosmology. <i>Astrophysical Journal, Supplement Series</i> , 2020, 250, 6. | 3.0 | 18 |
| 4002 | Panning for Gold: New Emission Lines from UVâ€VIS Spectroscopy of Au i and Au ii. <i>Astrophysical Journal, Supplement Series</i> , 2020, 250, 19. | 3.0 | 6 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4003 | LISA and the Existence of a Fast-merging Double Neutron Star Formation Channel. <i>Astrophysical Journal Letters</i> , 2020, 892, L9. | 3.0 | 22 |
| 4004 | Thunder and Lightning: Using Neutron-star Mergers as Simultaneous Standard Candles and Sirens to Measure Cosmological Parameters. <i>Astrophysical Journal Letters</i> , 2020, 892, L16. | 3.0 | 11 |
| 4005 | Of Harbingers and Higher Modes: Improved Gravitational-wave Early Warning of Compact Binary Mergers. <i>Astrophysical Journal Letters</i> , 2020, 898, L39. | 3.0 | 14 |
| 4006 | Properties and Astrophysical Implications of the 150 M_{\odot} Binary Black Hole Merger GW190521. <i>Astrophysical Journal Letters</i> , 2020, 900, L13. | 3.0 | 406 |
| 4007 | Discovery of the Optical Afterglow and Host Galaxy of Short GRB 181123B at $z=1.754$: Implications for Delay Time Distributions. <i>Astrophysical Journal Letters</i> , 2020, 898, L32. | 3.0 | 24 |
| 4008 | A Comparative Study of Host Galaxy Properties between Fast Radio Bursts and Stellar Transients. <i>Astrophysical Journal Letters</i> , 2020, 899, L6. | 3.0 | 45 |
| 4009 | Formation of Mass Gap Objects in Highly Asymmetric Mergers. <i>Astrophysical Journal Letters</i> , 2020, 899, L15. | 3.0 | 31 |
| 4010 | Detectability of Ultra-compact X-Ray Binaries as LISA Sources. <i>Astrophysical Journal Letters</i> , 2020, 900, L8. | 3.0 | 38 |
| 4011 | 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. | 3.0 | 74 |
| 4012 | Mass Ratios of Merging Double Neutron Stars as Implied by the Milky Way Population. <i>Astrophysical Journal Letters</i> , 2020, 900, L41. | 3.0 | 8 |
| 4013 | Magnetically Driven Baryon Winds from Binary Neutron Star Merger Remnants and the Blue Kilonova of 2017 August. <i>Astrophysical Journal Letters</i> , 2020, 900, L35. | 3.0 | 43 |
| 4014 | Gravitational-wave Constraints on the Equatorial Ellipticity of Millisecond Pulsars. <i>Astrophysical Journal Letters</i> , 2020, 902, L21. | 3.0 | 65 |
| 4015 | Demographics of Neutron Stars in Young Massive and Open Clusters. <i>Astrophysical Journal Letters</i> , 2020, 901, L16. | 3.0 | 24 |
| 4016 | Characterizing Astrophysical Binary Neutron Stars with Gravitational Waves. <i>Astrophysical Journal Letters</i> , 2020, 902, L12. | 3.0 | 9 |
| 4017 | A Magnetar Engine for Short GRBs and Kilonovae. <i>Astrophysical Journal Letters</i> , 2020, 901, L37. | 3.0 | 78 |
| 4018 | Monte-Carlo Neutrino Transport in Neutron Star Merger Simulations. <i>Astrophysical Journal Letters</i> , 2020, 902, L27. | 3.0 | 50 |
| 4019 | FIRST J1419+3940 as the First Observed Radio Flare from a Neutron Star Merger. <i>Astrophysical Journal Letters</i> , 2020, 902, L23. | 3.0 | 5 |
| 4020 | Neutron Star Mergers as the Main Source of r-process: Natal Kicks and Inside-out Evolution to the Rescue. <i>Astrophysical Journal Letters</i> , 2020, 902, L34. | 3.0 | 15 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4021 | Gravitational-wave Merger Forecasting: Scenarios for the Early Detection and Localization of Compact-binary Mergers with Ground-based Observatories. <i>Astrophysical Journal Letters</i> , 2020, 902, L29. | 3.0 | 27 |
| 4022 | MeV Gamma Rays from Fission: A Distinct Signature of Actinide Production in Neutron Star Mergers. <i>Astrophysical Journal Letters</i> , 2020, 903, L3. | 3.0 | 18 |
| 4023 | GWSkyNet: A Real-time Classifier for Public Gravitational-wave Candidates. <i>Astrophysical Journal Letters</i> , 2020, 904, L9. | 3.0 | 14 |
| 4024 | An Early-warning System for Electromagnetic Follow-up of Gravitational-wave Events. <i>Astrophysical Journal Letters</i> , 2020, 905, L25. | 3.0 | 48 |
| 4025 | Fast Parameter Estimation of Binary Mergers for Multimessenger Follow-up. <i>Astrophysical Journal Letters</i> , 2020, 905, L9. | 3.0 | 15 |
| 4026 | Dark Sirens to Resolve the Hubbleâ€“LemaÃ®tre Tension. <i>Astrophysical Journal Letters</i> , 2020, 905, L28. | 3.0 | 38 |
| 4027 | A Model of Dark Matter and Dark Energy Based on Relativizing Newtonâ€™s Physics. <i>World Journal of Condensed Matter Physics</i> , 2018, 08, 130-155. | 1.1 | 5 |
| 4028 | Readout Test of Plastic Scintillator with MPPC for the Development of Gamma-Ray Burst Polarimeter. , 2019, , . | | 2 |
| 4029 | Dense Baryonic Matter and Strangeness in Neutron Stars. , 2019, , . | | 3 |
| 4030 | Charmed Mesons in Nuclear Matter Based on Chiral Effective Models. , 2019, , . | | 4 |
| 4031 | Equation of State for Neutron Stars in the Quark-Meson Coupling Model with the Cloudy Bag. , 2019, , . | | 1 |
| 4032 | Equation of State from Neutron Star Mass and Radius Measurements. , 2020, , . | | 1 |
| 4034 | Are interactions with neutron star merger winds shaping the jets?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 903-913. | 1.6 | 12 |
| 4035 | El-CID: a filter for gravitational-wave electromagnetic counterpart identification. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 914-930. | 1.6 | 6 |
| 4036 | High-Order Multipole and Binary Love Number Universal Relations. <i>Universe</i> , 2021, 7, 368. | 0.9 | 8 |
| 4037 | Tidal deformability of quark stars with repulsive interactions. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 8 |
| 4038 | Constraints on equivalence principle violation from gamma ray bursts. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 5 |
| 4039 | 2.6 compact object and neutron stars in Eddington-inspired Born-Infeld theory of gravity. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 6 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4040 | Formation and evolution of binary neutron stars: mergers and their host galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 1557-1586. | 1.6 | 17 |
| 4041 | A nonparametric method to assess the significance of events in the search for gravitational waves with false discovery rate. <i>Progress of Theoretical and Experimental Physics</i> , 2021, 2021, . | 1.8 | 1 |
| 4042 | Gravitational waves in higher-order R2 gravity. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 6 |
| 4043 | Discovering new forces with gravitational waves from supermassive black holes. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 4 |
| 4044 | Color-flavor locked compact stars: An exact solution approach. <i>International Journal of Modern Physics A</i> , 0, , . | 0.5 | 1 |
| 4045 | Fallback Supernova Assembly of Heavy Binary Neutron Stars and Light Black Holeâ€“Neutron Star Pairs and the Common Stellar Ancestry of GW190425 and GW200115. <i>Astrophysical Journal Letters</i> , 2021, 920, L17. | 3.0 | 12 |
| 4046 | The Stochastic Gravitational Wave Background from Magnetars. <i>Universe</i> , 2021, 7, 381. | 0.9 | 6 |
| 4047 | A new experiment for gravitational wave detection. <i>Canadian Journal of Physics</i> , 2021, 99, 975-981. | 0.4 | 1 |
| 4048 | Linearized supergravity with a dynamical preferred frame. <i>Journal of High Energy Physics</i> , 2021, 2021, 1. | 1.6 | 0 |
| 4049 | A new automated tool for the spectral classification of OB stars. <i>Astronomy and Astrophysics</i> , 2022, 657, A62. | 2.1 | 6 |
| 4050 | Binary neutron star mergers within kaon condensation:GW170817. <i>Physica Scripta</i> , 2021, 96, 125311. | 1.2 | 0 |
| 4051 | Bulk viscosity of interacting magnetized strange quark matter. <i>Nuclear Science and Techniques/Hewuli</i> , 2021, 32, 1. | 1.3 | 3 |
| 4052 | First Constraints on Nuclear Coupling of Axionlike Particles from the Binary Neutron Star Gravitational Wave Event GW170817. <i>Physical Review Letters</i> , 2021, 127, 161101. | 2.9 | 21 |
| 4053 | New Relativistic Theory for Modified Newtonian Dynamics. <i>Physical Review Letters</i> , 2021, 127, 161302. | 2.9 | 99 |
| 4054 | A template-free approach for waveform extraction of gravitational wave events. <i>Scientific Reports</i> , 2021, 11, 20507. | 1.6 | 5 |
| 4055 | Laser frequency noise in next generation gravitational-wave detectors. <i>Optics Express</i> , 2021, 29, 42144. | 1.7 | 14 |
| 4056 | Dispersion of light traveling through the interstellar space, induced and intrinsic Lorentz invariance violation. <i>European Physical Journal C</i> , 2021, 81, 1. | 1.4 | 6 |
| 4057 | Multimodal Analysis of Gravitational Wave Signals and Gamma-Ray Bursts from Binary Neutron Star Mergers. <i>Universe</i> , 2021, 7, 394. | 0.9 | 3 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4058 | Well-tempered teleparallel Horndeski cosmology: a teleparallel variation to the cosmological constant problem. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 078. | 1.9 | 17 |
| 4059 | Gravitational-wave constraints on the GWTC-2 events by measuring the tidal deformability and the spin-induced quadrupole moment. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 18 |
| 4060 | Gravitational-wave propagation and polarizations in the teleparallel analog of Horndeski gravity. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 26 |
| 4061 | Inference with finite time series: Observing the gravitational Universe through windows. <i>Physical Review Research</i> , 2021, 3, . | 1.3 | 14 |
| 4062 | Wave zone in the Hořava-Lifshitz theory at the kinetic-conformal point in the low energy regime. <i>European Physical Journal C</i> , 2021, 81, 1. | 1.4 | 2 |
| 4063 | GRB 101225A as Orphan Dipole Radiation of a Newborn Magnetar with Precession Rotation in an Off-axis Gamma-ray Burst. <i>Astrophysical Journal Letters</i> , 2021, 921, L1. | 3.0 | 2 |
| 4064 | Gamma-Ray Burst in a Binary System. <i>Astrophysical Journal</i> , 2021, 921, 2. | 1.6 | 3 |
| 4065 | The Nuclear Matter Density Functional under the Nucleonic Hypothesis. <i>Universe</i> , 2021, 7, 373. | 0.9 | 20 |
| 4066 | Radiative classical gravitational observables at $\mathcal{O}(G^3)$ from scattering amplitudes. <i>Journal of High Energy Physics</i> , 2021, 2021, 1. | 1.6 | 98 |
| 4067 | Hybrid neutron stars with the Thomas-Fermi approximation and nonlocal Nambu-Jona-Lasinio model. <i>Physical Review C</i> , 2021, 104, . | 1.1 | 7 |
| 4068 | Optimized localization for gravitational waves from merging binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 3957-3965. | 1.6 | 2 |
| 4069 | The Relative Contribution to Heavy Metals Production from Binary Neutron Star Mergers and Neutron Star-Black Hole Mergers. <i>Astrophysical Journal Letters</i> , 2021, 920, L3. | 3.0 | 10 |
| 4070 | Strange stars with a mirror-dark-matter core confronting with the observations of compact stars. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 7 |
| 4071 | Different to the core: The pre-supernova structures of massive single and binary-stripped stars. <i>Astronomy and Astrophysics</i> , 2021, 656, A58. | 2.1 | 62 |
| 4072 | Time delay in the strong field limit for null and timelike signals and its simple interpretation. <i>European Physical Journal C</i> , 2021, 81, 1. | 1.4 | 3 |
| 4073 | BigApple force and its implications to finite nuclei and astrophysical objects. <i>International Journal of Modern Physics E</i> , 2021, 30, . | 0.4 | 12 |
| 4074 | Stellar and substellar companions from <i>Gaia</i> EDR3. <i>Astronomy and Astrophysics</i> , 2022, 657, A7. | 2.1 | 103 |
| 4075 | Horndeski stars. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 022. | 1.9 | 9 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4076 | Quasinormal modes and shadow of a Schwarzschild black hole with GUP. <i>Annals of Physics</i> , 2021, 434, 168662. | 1.0 | 26 |
| 4077 | Multi-messenger astrophysics with THESEUS in the 2030s. <i>Experimental Astronomy</i> , 2021, 52, 245-275. | 1.6 | 12 |
| 4078 | Neutron stars in Palatini R^2 and $R^2 + \eta Q$ theories. <i>European Physical Journal C</i> , 2021, 81, 1. | 1.4 | 7 |
| 4079 | Fast, faithful, frequency-domain effective-one-body waveforms for compact binary coalescences. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 19 |
| 4080 | Is GW170817 a multimessenger neutron star-primordial black hole merger?. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 019. | 1.9 | 9 |
| 4081 | Chaotic inflation and reheating in generalized scalar-tensor gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 021. | 1.9 | 5 |
| 4082 | High-Energy Alerts in the Multi-Messenger Era. <i>Universe</i> , 2021, 7, 393. | 0.9 | 5 |
| 4083 | Scalar Induced Gravitational Waves Review. <i>Universe</i> , 2021, 7, 398. | 0.9 | 180 |
| 4084 | Multimessenger Astronomy with Neutrinos. <i>Universe</i> , 2021, 7, 397. | 0.9 | 2 |
| 4085 | Signatures of deconfined quark phases in binary neutron star mergers. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 38 |
| 4086 | Modelling relativistic heavy-ion collisions with dynamical transport approaches. <i>Progress in Particle and Nuclear Physics</i> , 2022, 122, 103920. | 5.6 | 27 |
| 4087 | Strange quark mass dependence of strange quark star properties. <i>European Physical Journal C</i> , 2021, 81, 1. | 1.4 | 7 |
| 4088 | Poisson-Arago spot for gravitational waves. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021, 64, 1. | 2.0 | 4 |
| 4089 | First post-Newtonian generation of gravitational waves in Einstein-Cartan theory. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 20 |
| 4090 | Cosmology with Love: Measuring the Hubble constant using neutron star universal relations. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 20 |
| 4091 | Disformal map and Petrov classification in modified gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 067. | 1.9 | 5 |
| 4092 | Picoradiant tiltmeter and direct ground tilt measurements at the Sos Enattos site. <i>European Physical Journal Plus</i> , 2021, 136, 1. | 1.2 | 5 |
| 4093 | Parameter estimation bias from overlapping binary black hole events in second generation interferometers. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 14 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4094 | Classical observables from coherent-spin amplitudes. <i>Journal of High Energy Physics</i> , 2021, 2021, 1. | 1.6 | 39 |
| 4095 | All-sky search for continuous gravitational waves from isolated neutron stars in the early O3 LIGO data. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 42 |
| 4096 | Forecast for cosmological parameter estimation with gravitational-wave standard sirens from the LISA-Taiji network. <i>Science China: Physics, Mechanics and Astronomy</i> , 2022, 65, 1. | 2.0 | 30 |
| 4097 | Spin-orbit effects for compact binaries in scalar-tensor gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 075. | 1.9 | 14 |
| 4098 | Differentiating short gamma-ray bursts progenitors through multi-MeV neutrinos. <i>Journal of High Energy Astrophysics</i> , 2021, 32, 87-101. | 2.4 | 1 |
| 4099 | Rotations of the polarization of a gravitational wave propagating in universe. <i>Nuclear Physics B</i> , 2021, 973, 115578. | 0.9 | 0 |
| 4101 | Evolution of Perturbations. <i>UNITEXT for Physics</i> , 2018, , 273-308. | 0.1 | 0 |
| 4102 | Basics on the Observations of Gravitational Waves. <i>Astronomy and Astrophysics Library</i> , 2018, , 489-536. | 0.2 | 0 |
| 4103 | Review of the Mysteries of Galactic Dark Matter. <i>Modern Physics</i> , 2018, 08, 162-176. | 0.1 | 2 |
| 4104 | Aluminum Gallium Arsenide as a High-Reflectivity Coating Material for Interferometric Gravitational-wave Detectors. , 2018, , . | | 0 |
| 4105 | Speed of Gravitation and Electromagnetic Waves through the Dark Energy of Intergalactic Space and Its Implications of a Unified Theory. <i>Journal of Modern Physics</i> , 2018, 09, 573-583. | 0.3 | 2 |
| 4106 | Astronomical Distance Determination in the Space Age. <i>Space Sciences Series of ISSI</i> , 2018, , 283-351. | 0.0 | 0 |
| 4107 | The Role of Radioactive Isotopes in Astrophysics. <i>Astrophysics and Space Science Library</i> , 2018, , 29-87. | 1.0 | 2 |
| 4108 | Quantum metrology with atom and light correlation. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2018, 67, 164204. | 0.2 | 3 |
| 4109 | A Possible Solution to the Disagreement about the Hubble Constant. <i>Journal of Modern Physics</i> , 2018, 09, 1827-1837. | 0.3 | 1 |
| 4110 | Tests of the gravitational redshift effect in space-born and ground-based experiments. <i>KosmÃna Nauka Ã TehnologÃ</i> , 2018, 24, 31-48. | 0.1 | 1 |
| 4111 | Laser system development for gravitational-wave interferometry in space. , 2018, , . | | 2 |
| 4112 | Formulating electroweak pion decays in functional methods. , 2018, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4113 | Recent progress on monolithic fiber amplifiers for next generation of gravitational wave detectors. , 2018, , . | | 1 |
| 4114 | Kollisjon mellom n ytronestjerner gir ny innsikt i universet. Naturen, 2018, 142, 44-47. | 0.0 | 0 |
| 4115 | Monolithic fiber amplifiers for the next generation of gravitational wave detectors. , 2018, , . | | 0 |
| 4116 | Advanced technologies and instrumentation and the National Science Foundation. , 2018, , . | | 0 |
| 4117 | High uniformity IBS coatings for the worldâ€™s largest Fabry-Perot etalon of the VTF instrument. , 2018, , . | | 1 |
| 4118 | Conceptual design of a wide-field near UV transient survey in a 6U CubeSat. , 2018, , . | | 1 |
| 4119 | Status of the advanced Virgo gravitational wave detector. , 2018, , . | | 0 |
| 4120 | GPU-Optimised Low-Latency Online Search for Gravitational Waves from Binary Coalescences. , 2018, , . | | 2 |
| 4123 | Erster Nachweis: Verschmelzende Neutronensterne. , 2019, , 85-103. | | 0 |
| 4124 | Gamma-Ray Bursts Generated by Hyper-Accreting Kerr Black Hole. International Journal of Astronomy and Astrophysics, 2019, 09, 247-264. | 0.2 | 0 |
| 4125 | 44065 HypeBBH Yearly Reportâ€™High Performance Computing Services at HLRS. , 2019, , 21-35. | | 0 |
| 4126 | Magnetic Fields in Gamma-Ray Bursts and Their Polarised Emission. Astrophysics and Space Science Library, 2019, , 337-361. | 1.0 | 2 |
| 4127 | The Nuclear Physics Uncertainty on Kilonova Heating Rates and the Role of Fission. Springer Proceedings in Physics, 2019, , 469-472. | 0.1 | 2 |
| 4128 | Enrichment of r-Process Elements in Isolated Dwarf Galaxies. Springer Theses, 2019, , 83-102. | 0.0 | 0 |
| 4129 | DO EINSTEIN'S EQUATIONS DESCRIBE REALITY WELL?. Neural Network World, 2019, 29, 255-284. | 0.5 | 4 |
| 4130 | Neutron Star Mergers as r-Process Sources. Springer Proceedings in Physics, 2019, , 105-110. | 0.1 | 0 |
| 4132 | Analyzing time evolution of constraint equations of Einstein's equation. JSIAM Letters, 2019, 11, 21-24. | 0.3 | 3 |
| 4133 | The Physics of LIGOâ€™Virgo. Tutorials, Schools, and Workshops in the Mathematical Sciences, 2019, , 139-183. | 0.3 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4134 | Conclusions and Future Prospects. Springer Theses, 2019, , 125-130. | 0.0 | 0 |
| 4135 | FleCSPHg: A GPU Accelerated Framework for Physics and Astrophysics Simulations. Communications in Computer and Information Science, 2019, , 123-137. | 0.4 | 0 |
| 4136 | Is an LSST ToO Mode Necessary for Kilonova Discovery?. Research Notes of the AAS, 2019, 3, 11. | 0.3 | 0 |
| 4137 | Hearing the Nature of Compact Objects. Tutorials, Schools, and Workshops in the Mathematical Sciences, 2019, , 333-343. | 0.3 | 0 |
| 4139 | The Beta-Oslo Method: Experimentally Constrained (n,γ) Reaction Rates Relevant to the r-Process. Springer Proceedings in Physics, 2019, , 137-140. | 0.1 | 0 |
| 4140 | Enrichment of r-Process Elements in a Cosmological Context. Springer Theses, 2019, , 115-123. | 0.0 | 0 |
| 4141 | Nuclear Astrophysics in the Multimessenger Era: A Partnership Made in Heaven. Acta Physica Polonica B, 2019, 50, 239. | 0.3 | 1 |
| 4142 | Ultra-high energy neutrinos searches with the Pierre Auger Observatory. , 2019, , . | | 0 |
| 4143 | Characterization of the monolithic fiber amplifier engineering prototype for the next generation of gravitational wave detectors. , 2019, , . | | 1 |
| 4145 | Low frequency view of the first binary neutron star merger GW 170817/GRB 170817A with the Giant Metrewave Radio Telescope. , 2019, , . | | 0 |
| 4146 | Astrophysical black holes. , 2019, , 1-22. | | 3 |
| 4147 | Gamma-ray burst observations with the CALET Gamma-ray Burst Monitor. , 2019, , . | | 1 |
| 4148 | Progress and plans for a U.S. laser system for the LISA mission. , 2019, , . | | 5 |
| 4149 | The binary neutron star merger rate via the modelled rate of short gamma-ray bursts. , 2019, , . | | 0 |
| 4150 | Neutron Star Merger Afterglows: Population Prospects for the Gravitational Wave Era. , 2019, , . | | 0 |
| 4151 | Joint gravitational wave - gamma-ray burst detection rates in the aftermath of GW170817. , 2019, , . | | 0 |
| 4152 | The New Astronomy: Observing Our Universe With Light and Gravity. Frontiers for Young Minds, 0, 7, . | 0.8 | 0 |
| 4153 | Advances in the project of the gravitational signal generator device to measure the speed of gravity. Journal of Physics: Conference Series, 2019, 1391, 012100. | 0.3 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4154 | Conference Summary of QNP2018. , 2019, , . | | 0 |
| 4155 | Standard Models and What Lies Beyond. Springer Theses, 2020, , 5-36. | 0.0 | 0 |
| 4158 | Gravitational Waves. Lecture Notes in Physics, 2020, , 191-219. | 0.3 | 0 |
| 4159 | Single-frequency chirally-coupled-core all-fiber amplifier with 100W in a linearly-polarized TEM ₀₀ -mode. , 2020, , . | | 0 |
| 4160 | Nuclear Equation of State Based on the Many-Body Calculation with Realistic Nuclear Forces. , 2020, , . | | 0 |
| 4161 | Double end-mirror sloshing cavity for optical dilution of thermal noise in mechanical resonators. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 1643. | 0.9 | 1 |
| 4163 | Multiplexing lobster-eye optics: a concept for wide-field x-ray monitoring. Journal of Astronomical Telescopes, Instruments, and Systems, 2020, 6, 1. | 1.0 | 4 |
| 4164 | Nuclear Symmetry Energy and the Breaking of the Isospin Symmetry: How Do They Reconcile with Each Other ?. , 2020, , . | | 0 |
| 4165 | Evaluating Possibility of Registering Scattered Gravitational Radiation on Wormholes. Herald of the Bauman Moscow State Technical University, Series Natural Sciences, 2020, , 89-102. | 0.2 | 0 |
| 4166 | An Equation of State for Magnetized Neutron Star Matter and Tidal Deformation in Neutron Star Mergers. Astrophysical Journal, 2020, 900, 49. | 1.6 | 6 |
| 4167 | Search for advanced LIGO single interferometer compact binary coalescence signals in coincidence with Gamma-ray events in Fermi-GBM. Classical and Quantum Gravity, 2020, 37, 175001. | 1.5 | 6 |
| 4168 | Binary Neutron Star Mergers: Testing Ejecta Models for High Mass-Ratios. Journal of Purdue Undergraduate Research, 2020, 10, . | 0.0 | 0 |
| 4169 | Metric-affine gravity effects on terrestrial exoplanet profiles. Physical Review D, 2021, 104, . | 1.6 | 15 |
| 4170 | Impact of three-nucleon forces on gravitational wave emission from neutron stars. Physical Review D, 2021, 104, . | 1.6 | 4 |
| 4171 | Gravitational wave echoes from interacting quark stars. Physical Review D, 2021, 104, . | 1.6 | 11 |
| 4172 | Optimal quantum noise cancellation with an entangled witness channel. Physical Review Research, 2021, 3, . | 1.3 | 1 |
| 4173 | Charge Radius of Neutron-Deficient ^{54}Ni and Symmetry Energy Constraints Using the Difference in Mirror Pair Charge Radii. Physical Review Letters, 2021, 127, 182503. | 2.9 | 29 |
| 4174 | Constraints on a cubic Galileon disformally coupled to Standard Model matter. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 085. | 1.9 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4175 | Initial results from the LIGO Newtonian calibrator. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 10 |
| 4176 | Tidal Love number of neutron stars with conformal coupling. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 5 |
| 4177 | Hyperons in Neutron Stars. <i>Universe</i> , 2021, 7, 408. | 0.9 | 14 |
| 4178 | Parameter estimation for space-based gravitational wave detectors with ringdown signals. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 11 |
| 4179 | Relativistic Models for Strange Stars in Massive Brans-Dicke Gravity. <i>Astronomy Reports</i> , 2021, 65, 1048-1053. | 0.2 | 0 |
| 4180 | GRB Polarization: A Unique Probe of GRB Physics. <i>Galaxies</i> , 2021, 9, 82. | 1.1 | 23 |
| 4181 | Characterization of the seismic field at Virgo and improved estimates of Newtonian-noise suppression by recesses. <i>Classical and Quantum Gravity</i> , 2021, 38, 245007. | 1.5 | 5 |
| 4182 | Impact of PREX-II and Combined Radio/NICER/XMM-Newton's Mass-radius Measurement of PSR J0740+6620 on the Dense-matter Equation of State. <i>Astrophysical Journal</i> , 2021, 921, 63. | 1.6 | 46 |
| 4183 | Inter-satellite laser ranging for time-delay interferometry in space-based gravitational-wave detection. , 2021, , . | | 0 |
| 4184 | Gravitational-wave echoes from spinning exotic compact objects: Numerical waveforms from the Teukolsky equation. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 11 |
| 4185 | Gravitational radiation close to a black hole horizon: Waveform regularization and the out-going echo. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 6 |
| 4186 | Searching for axionlike particles from core-collapse supernovae with Fermi-LAT's low-energy technique. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 7 |
| 4187 | The Orbital-decay Test of General Relativity to the 2% Level with 6 yr VLBA Astrometry of the Double Neutron Star PSR J1537+1155. <i>Astrophysical Journal Letters</i> , 2021, 921, L19. | 3.0 | 3 |
| 4188 | ASAS-SN search for optical counterparts of gravitational-wave events from the third observing run of Advanced LIGO/Virgo. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 3427-3440. | 1.6 | 14 |
| 4189 | Topics on Strong Gravity. , 2020, , . | | 0 |
| 4190 | Binary Compact Star Mergers and the Phase Diagram of Quantum Chromodynamics. <i>FIAS Interdisciplinary Science Series</i> , 2020, , 107-132. | 0.1 | 0 |
| 4191 | A Modern Guide to Quantitative Spectroscopy of Massive OB Stars. , 2020, , 155-187. | | 5 |
| 4192 | Developing the GOTO telescope control system. , 2020, , . | | 3 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4194 | Lensed gravitational waves: Scattering and applications. Chinese Science Bulletin, 2021, 66, 2516-2528. | 0.4 | 1 |
| 4195 | Modernization and Methods of Maintaining the Operating Mode of the OGRAN (Optoacoustic Gravity) Tj ETQq1 1 0,784314 ₄ rgBT /Ow | 0.1 | 0 |
| 4196 | Standard Candles and Sirens Rescue H ₀ . Astrophysical Journal, 2020, 904, 169. | 1.6 | 1 |
| 4197 | Merged white dwarfs and nucleosynthesis. Journal of Astrophysics and Astronomy, 2020, 41, 1. | 0.4 | 2 |
| 4198 | Multiconfiguration Dirac-Hartree-Fock radiative parameters for emission lines in Ce ^{II} ions and cerium opacity calculations for kilonovae. Monthly Notices of the Royal Astronomical Society, 2020, 501, 1440-1452. | 1.6 | 14 |
| 4199 | The wide-field infrared transient explorer (WINTER). , 2020, , . | | 11 |
| 4200 | GALL: a gamma-ray burst localizing instrument. , 2020, , . | | 4 |
| 4201 | Confronting Einstein Yang Mills Higgs dark energy in light of observations. European Physical Journal C, 2020, 80, . | 1.4 | 0 |
| 4202 | Negative Matter as Unified Dark Matter and Dark Energy: Simplest Model, Theory and Nine Tests. International Journal of Fundamental Physical Sciences, 2020, 10, 40-54. | 0.3 | 2 |
| 4203 | Echoes from a singularity. Physical Review D, 2020, 102, . | 1.6 | 12 |
| 4204 | Direct geometrical measurement of the Hubble constant from galaxy parallax: predictions for the Vera C. Rubin Observatory and Nancy Grace Roman Space Telescope. Monthly Notices of the Royal Astronomical Society, 2021, 501, 2688-2703. | 1.6 | 7 |
| 4205 | A black hole detected in the young massive LMC cluster NGC 1850. Monthly Notices of the Royal Astronomical Society, 2022, 511, 2914-2924. | 1.6 | 32 |
| 4206 | Searching for low radio-frequency gravitational wave counterparts in wide-field LOFAR data. Monthly Notices of the Royal Astronomical Society, 2021, 509, 5018-5029. | 1.6 | 5 |
| 4207 | The Origins of Virgo and the Emergence of the International Gravitational Wave Community. Einstein Studies, 2020, , 363-406. | 0.4 | 2 |
| 4208 | The Future of Particle Physics: The LHC and Beyond. , 2020, , 625-630. | | 1 |
| 4209 | Gravitational-Wave Research as an Emerging Field in the Max Planck Society: The Long Roots of GEO600 and of the Albert Einstein Institute. Einstein Studies, 2020, , 285-361. | 0.4 | 1 |
| 4210 | Re-visiting Gravitational Wave Events with Pulsars as Weber Detectors. Springer Proceedings in Physics, 2020, , 3-10. | 0.1 | 0 |
| 4213 | Interferometric Control of Photo-Chemical Reactions in ⁸⁷ Rb Bose-Einstein Condensates. , 2020, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4214 | KAGRA, the underground and cryogenic laser interferometer for gravitational wave detection. , 2020, , . | | 0 |
| 4215 | Towards a microscopic theory of neutron star matter. AIP Conference Proceedings, 2020, , . | 0.3 | 0 |
| 4216 | Tidal Deformability of Compact Stars. Springer Theses, 2020, , 17-36. | 0.0 | 0 |
| 4217 | Gravitationswellen. , 2020, , 431-460. | | 0 |
| 4218 | Iterating with Fuzzy Parameters to Produce Exact Results. Applied Mathematics, 2020, 11, 1070-1080. | 0.1 | 1 |
| 4219 | The Remnant of Neutron Star-White Dwarf Merger and the Repeating Fast Radio Bursts. International Journal of Astronomy and Astrophysics, 2020, 10, 28-38. | 0.2 | 4 |
| 4221 | Dense Matter in Neutron Star: Lessons from GW170817. FIAS Interdisciplinary Science Series, 2020, , 85-94. | 0.1 | 1 |
| 4224 | Signatures of GW from an Extended Inert Doublet Model. Springer Proceedings in Physics, 2020, , 183-191. | 0.1 | 0 |
| 4225 | Evaluation of the Fine Structure Constant. Journal of Modern Physics, 2020, 11, 1918-1925. | 0.3 | 3 |
| 4226 | The Environment of the r -process: New Advances Enabled by the Study of the Orbits of r -process-enhanced Stars. , 2020, , . | | 0 |
| 4227 | Neutron Skins of Heavy Nuclei and Tidal Deformability of Neutron Star. , 2020, , . | | 1 |
| 4228 | Galileones vectoriales con simetría SU(2) como los generadores de los períodos de inflación primordial y expansión acelerada tardía. Revista De La Academia Colombiana De Ciencias Exactas, Físicas Y Naturales, 2020, 44, 121-132. | 0.0 | 0 |
| 4229 | Cosmic Radionuclides and (gamma)-ray Line Observations. , 2020, , . | | 0 |
| 4230 | The Luminosity Distribution of Short Gamma-Ray Bursts under a Structured Jet Scenario. Astrophysical Journal, 2020, 894, 11. | 1.6 | 2 |
| 4231 | Unbiased likelihood-free inference of the Hubble constant from light standard sirens. Physical Review D, 2021, 104, . | 1.6 | 9 |
| 4232 | Novel Model of an Ultra-stripped Supernova Progenitor of a Double Neutron Star. Astrophysical Journal Letters, 2021, 920, L36. | 3.0 | 12 |
| 4233 | Can We Detect the Quantum Nature of Weak Gravitational Fields?. Universe, 2021, 7, 414. | 0.9 | 8 |
| 4234 | Stringent Tests of Gravity with Highly Relativistic Binary Pulsars in the Era of LISA and SKA. Astrophysical Journal, 2021, 921, 114. | 1.6 | 4 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4235 | Igniting Weak Interactions in Neutron Star Postmerger Accretion Disks. <i>Astrophysical Journal</i> , 2021, 921, 94. | 1.6 | 17 |
| 4236 | Constraints on bimetric gravity from Big Bang nucleosynthesis. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 001. | 1.9 | 7 |
| 4237 | Stellar interferometry for gravitational waves. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 008. | 1.9 | 4 |
| 4238 | The Gravitational-wave physics II: Progress. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021, 64, 1. | 2.0 | 54 |
| 4239 | Semianalytical approach for sky localization of gravitational waves. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 1 |
| 4240 | A Relativistic Compact Stellar Model of Anisotropic Quark Matter Mixed with Dark Energy. <i>Advances in High Energy Physics</i> , 2021, 2021, 1-7. | 0.5 | 2 |
| 4241 | Alternative LISA-TAIJI networks: Detectability of the isotropic stochastic gravitational wave background. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 14 |
| 4242 | Thermal aspects of neutron star mergers. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 24 |
| 4243 | Neutron Stars and Gravitational Waves: The Key Role of Nuclear Equation of State. <i>Foundations</i> , 2021, 1, 217-255. | 0.4 | 4 |
| 4244 | Scalar fields near compact objects: resummation versus UV completion. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 012. | 1.9 | 17 |
| 4245 | Search for intermediate-mass black hole binaries in the third observing run of Advanced LIGO and Advanced Virgo. <i>Astronomy and Astrophysics</i> , 2022, 659, A84. | 2.1 | 32 |
| 4246 | Modeling the Galactic Neutron Star Population for Use in Continuous Gravitational-wave Searches. <i>Astrophysical Journal</i> , 2021, 921, 89. | 1.6 | 12 |
| 4247 | The Mass Distribution of Neutron Stars in Gravitational-wave Binaries. <i>Astrophysical Journal Letters</i> , 2021, 921, L25. | 3.0 | 25 |
| 4248 | Rotating black hole in $f(R)$ theory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 007. | 1.9 | 7 |
| 4249 | Scalarized neutron stars in massive scalar-tensor gravity: X-ray pulsars and tidal deformability. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 8 |
| 4250 | Experiments Probing Nuclear Symmetry Energy at Supra-saturation Densities. , 2020, , . | | 0 |
| 4251 | The Role of Fock Terms on Nuclear Symmetry Energy and its Slope Parameter in a Relativistic Framework. , 2020, , . | | 0 |
| 4252 | Electromagnetic response to high-frequency gravitational waves having additional polarization states: distinguishing and probing tensor-mode, vector-mode and scalar-mode gravitons. <i>European Physical Journal C</i> , 2020, 80, 1. | 1.4 | 7 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4253 | Signatures of secondary acceleration in neutrino flares. <i>Astronomy and Astrophysics</i> , 2020, 641, A29. | 2.1 | 2 |
| 4254 | Improvements in cosmological constraints from breaking growth degeneracy. <i>Astronomy and Astrophysics</i> , 2020, 642, A116. | 2.1 | 4 |
| 4255 | Lowest observed surface and weld losses in fused silica fibres for gravitational wave detectors. <i>Classical and Quantum Gravity</i> , 2020, 37, 195019. | 1.5 | 9 |
| 4256 | Novel screening with two bodies: summing the ladder in disformal scalar-tensor theories. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 013-013. | 1.9 | 9 |
| 4257 | General Relativity Measurements from Pulsars. <i>Astrophysics and Space Science Library</i> , 2021, , 53-95. | 1.0 | 2 |
| 4258 | Gravity induced quantum interference on gravitational wave background. <i>Modern Physics Letters A</i> , 2020, 35, 2050290. | 0.5 | 0 |
| 4259 | Jouleâ€™Thomson expansion and quasinormal modes of regular non-minimal magnetic black hole. <i>Modern Physics Letters A</i> , 2020, 35, 2050298. | 0.5 | 3 |
| 4260 | Stringent Search for Precursor Emission in Short GRBs from Fermi/GBM Data and Physical Implications. <i>Astrophysical Journal Letters</i> , 2020, 902, L42. | 3.0 | 15 |
| 4261 | Oscillations of Hypermassive Compact Stars with Gravitational Radiation and Viscosity. <i>Astrophysical Journal Letters</i> , 2020, 902, L41. | 3.0 | 2 |
| 4262 | The creation of the first r-process peak elements; effects of beta decay rates and nuclear masses. <i>Journal of Physics: Conference Series</i> , 2020, 1668, 012029. | 0.3 | 1 |
| 4263 | Measuring individual masses of binary white dwarfs with space-based gravitational-wave interferometers. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 500, L52-L56. | 1.2 | 11 |
| 4264 | P-stars in the gravitational wave era. <i>European Physical Journal Plus</i> , 2020, 135, 1. | 1.2 | 0 |
| 4265 | A General Overview for Localizing Short Gamma-Ray Bursts with a CubeSat Mega-Constellation. <i>Frontiers in Astronomy and Space Sciences</i> , 2020, 7, . | 1.1 | 1 |
| 4266 | Dynamical ejecta of neutron star mergers with nucleonic weak processes â€™ II: kilonova emission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 2820-2840. | 1.6 | 26 |
| 4267 | <sc>gamma</sc>: a new method for modelling relativistic hydrodynamics and non-thermal emission on a moving mesh. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 1315-1330. | 1.6 | 7 |
| 4268 | Electromagnetic Counterparts of Gravitational Waves in the Hz-kHz Range. , 2021, , 1-45. | | 0 |
| 4269 | Ground electron calibration of Charged Particle Detectors onboard GECAM satellite. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2022, 1022, 165969. | 0.7 | 6 |
| 4270 | Optimizing the hybrid parallelization of BHAC. <i>Astronomy and Computing</i> , 2022, 38, 100509. | 0.8 | 4 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4307 | Nonlinear dynamics of oscillating neutron stars in scalar-tensor gravity. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 5 |
| 4308 | Accretion onto a quintessence contaminated rotating black hole: violating the lower limit for η over s . <i>European Physical Journal C</i> , 2021, 81, 1. | 1.4 | 1 |
| 4309 | Jupiter and jovian exoplanets in Palatini $f(R)$ gravity. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 5 |
| 4310 | Quasi-universal Behavior of the Threshold Mass in Unequal-mass, Spinning Binary Neutron Star Mergers. <i>Astrophysical Journal Letters</i> , 2021, 922, L19. | 3.0 | 20 |
| 4311 | Surface properties for Ne, Na, Mg, Al, and Si isotopes in the coherent density fluctuation model using the relativistic mean-field densities. <i>Canadian Journal of Physics</i> , 2022, 100, 102-111. | 0.4 | 7 |
| 4312 | The science case for LIGO-India. <i>Classical and Quantum Gravity</i> , 2022, 39, 025004. | 1.5 | 48 |
| 4313 | GR-Athena++: Puncture Evolutions on Vertex-centered Oct-tree Adaptive Mesh Refinement. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 25. | 3.0 | 11 |
| 4314 | The technology for detection of gamma-ray burst with GECAM satellite. <i>Radiation Detection Technology and Methods</i> , 2022, 6, 12-25. | 0.4 | 9 |
| 4315 | Long-duration transient gravitational-wave search pipeline. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 4 |
| 4316 | All-sky search for long-duration gravitational-wave bursts in the third Advanced LIGO and Advanced Virgo run. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 19 |
| 4317 | Tidally induced multipole moments of a nonrotating black hole vanish to all post-Newtonian orders. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 5 |
| 4318 | Theoretical investigation of energy levels and transition for Ce IV. <i>Astronomy and Astrophysics</i> , 2022, 658, A82. | 2.1 | 13 |
| 4319 | Detectability of Continuous Gravitational Waves from Magnetically Deformed Neutron Stars. <i>Galaxies</i> , 2021, 9, 101. | 1.1 | 6 |
| 4320 | The THESEUS space mission: science goals, requirements and mission concept. <i>Experimental Astronomy</i> , 2021, 52, 183-218. | 1.6 | 32 |
| 4321 | Effects of Anisotropy on Strongly Magnetized Neutron and Strange Quark Stars in General Relativity. <i>Astrophysical Journal</i> , 2021, 922, 149. | 1.6 | 23 |
| 4322 | How will our knowledge of short gamma-ray bursts affect the distance measurement of binary neutron stars?. <i>Science China: Physics, Mechanics and Astronomy</i> , 2022, 65, 1. | 2.0 | 4 |
| 4323 | Quarkyonic stars with isospin-flavor asymmetry. <i>Physical Review C</i> , 2021, 104, . | 1.1 | 21 |
| 4324 | Extended reduced-order surrogate models for scalar-tensor gravity in the strong field and applications to binary pulsars and gravitational waves. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 8 |

| # | ARTICLE | IF | CITATIONS |
|------|--|------|-----------|
| 4325 | Universal relations between the quasinormal modes of neutron star and tidal deformability. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 21 |
| 4326 | Impacts of dark matter on the f_0 -mode oscillation of hyperon star. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 23 |
| 4327 | Universal relation for supernova gravitational waves. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 17 |
| 4328 | Binding two and three Λ particles in cold neutron matter. <i>Physical Review C</i> , 2021, 104, . | 1.1 | 9 |
| 4329 | Estimating outflow masses and velocities in merger simulations: Impact of r -process heating and neutrino cooling. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 19 |
| 4330 | Could the GW190814 Secondary Component Be a Bosonic Dark Matter Admixed Compact Star?. <i>Astrophysical Journal</i> , 2021, 922, 242. | 1.6 | 14 |
| 4331 | Binary Fractions of G and K Dwarf Stars Based on Gaia EDR3 and LAMOST DR5: Impacts of the Chemical Abundances. <i>Astrophysical Journal</i> , 2021, 922, 211. | 1.6 | 10 |
| 4332 | A buyer's guide to the Hubble constant. <i>Astronomy and Astrophysics Review</i> , 2021, 29, 1. | 9.1 | 83 |
| 4333 | Distinguishing modified gravity with just two tensorial degrees of freedom from general relativity: Black holes, cosmology, and matter coupling. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 11 |
| 4334 | σ_8 Tension. Is Gravity Getting Weaker at Low z ? Observational Evidence and Theoretical Implications. , 2021, , 507-537. | | 6 |
| 4335 | Terrestrial Laser Interferometers. , 2021, , 1-47. | | 0 |
| 4337 | Teleparallel Gravity: Foundations and Cosmology. , 2021, , 191-242. | | 14 |
| 4341 | Assessing the compact-binary merger candidates reported by the MBTA pipeline in the LIGO“Virgo O3 run: probability of astrophysical origin, classification, and associated uncertainties. <i>Classical and Quantum Gravity</i> , 2022, 39, 055002. | 1.5 | 8 |
| 4342 | Dark matter component in hadronic models with short-range correlations. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 16 |
| 4343 | The Gravitational-wave Optical Transient Observer (GOTO): prototype performance and prospects for transient science. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 2405-2422. | 1.6 | 18 |
| 4344 | Dedicated SiPM array for GRD of GECAM. <i>Radiation Detection Technology and Methods</i> , 2022, 6, 63-69. | 0.4 | 4 |
| 4345 | Is warm inflation quasi-stable?. <i>Physics of the Dark Universe</i> , 2022, 35, 100938. | 1.8 | 1 |
| 4346 | Quantum physics in space. <i>Physics Reports</i> , 2022, 951, 1-70. | 10.3 | 38 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4347 | The Impact of Nuclear Physics Uncertainties on Galactic Chemical Evolution Predictions. Journal of Physics: Conference Series, 2020, 1668, 012008. | 0.3 | 1 |
| 4348 | Discovering gravitational waves with Advanced LIGO. Contemporary Physics, 2020, 61, 229-255. | 0.8 | 1 |
| 4349 | Searching for gravitational waves with optically levitated nanosensors. , 2020, , . | | 0 |
| 4350 | Polar modes of gravitational waves in Rastall cosmology. Classical and Quantum Gravity, 2021, 38, 025008. | 1.5 | 8 |
| 4351 | A Fusion Processing Method for Satellite Detection Data by Beidou Short Message System. Lecture Notes in Electrical Engineering, 2021, , 243-252. | 0.3 | 0 |
| 4353 | Chiral condensates for neutron stars in hadron-quark crossover: From a parity doublet nucleon model to a Nambuâ€“Jona-Lasinio quark model. Physical Review C, 2021, 104, . | 1.1 | 8 |
| 4354 | Black-holeâ€“Neutron-star Mergers Are Unlikely Multimessenger Sources. Astrophysical Journal Letters, 2021, 923, L2. | 3.0 | 38 |
| 4355 | Forward modelling the O3(a+b) GW transient mass distributions with $\langle scp \rangle_{bpass} / \langle scp \rangle$ by varying compact remnant mass and SNe kick prescriptions. Monthly Notices of the Royal Astronomical Society, 2022, 511, 1201-1209. | 1.6 | 9 |
| 4356 | Observing Intermediate-mass Black Holes and the Upper Stellar-mass gap with LIGO and Virgo. Astrophysical Journal, 2022, 924, 39. | 1.6 | 32 |
| 4357 | Data-driven Expectations for Electromagnetic Counterpart Searches Based on LIGO/Virgo Public Alerts. Astrophysical Journal, 2022, 924, 54. | 1.6 | 56 |
| 4358 | Relativistic star perturbations in Horndeski theories with a gauge-ready formulation. Physical Review D, 2022, 105, . | 1.6 | 18 |
| 4359 | AGILE Observations of the LIGO-Virgo Gravitational-wave Events of the GWTC-1 Catalog. Astrophysical Journal, 2022, 924, 80. | 1.6 | 6 |
| 4360 | Constraints on R-process nucleosynthesis from ^{129}I and ^{247}Cm in the early solar system. Monthly Notices of the Royal Astronomical Society, 0, , . | 1.6 | 2 |
| 4361 | Hadronâ€“quark crossover and hybrid stars with quark core. Journal of Physics G: Nuclear and Particle Physics, 2022, 49, 045201. | 1.4 | 4 |
| 4362 | NANOGrav hints on planet-mass primordial black holes. Science China: Physics, Mechanics and Astronomy, 2022, 65, 1. | 2.0 | 53 |
| 4363 | Anisotropic Multimessenger Signals from Black Hole Neutrino-dominated Accretion Flows with Outflows in Binary Compact Object Mergers. Astrophysical Journal, 2022, 925, 43. | 1.6 | 11 |
| 4364 | Explodability fluctuations of massive stellar cores enable asymmetric compact object mergers such as GW190814. Astronomy and Astrophysics, 2022, 657, L6. | 2.1 | 9 |
| 4365 | Quark-quark interaction and quark matter in neutron stars. Physical Review C, 2022, 105, . | 1.1 | 6 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4366 | Extreme matter meets extreme gravity: Ultraheavy neutron stars with phase transitions. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 36 |
| 4367 | Global propagation of massive quantum fields in the plane gravitational waves and electromagnetic backgrounds. <i>Classical and Quantum Gravity</i> , 2022, 39, 035003. | 1.5 | 1 |
| 4368 | Ainâ€™t No Mountain High Enough: Semiparametric Modeling of LIGOâ€™Virgoâ€™s Binary Black Hole Mass Distribution. <i>Astrophysical Journal</i> , 2022, 924, 101. | 1.6 | 31 |
| 4369 | Strange quark matter and proto-strange stars in a baryon density-dependent quark mass model *. <i>Chinese Physics C</i> , 2022, 46, 055102. | 1.5 | 3 |
| 4370 | Inferring the dense nuclear matter equation of state with neutron star tides. <i>EPJ Web of Conferences</i> , 2022, 258, 07002. | 0.1 | 0 |
| 4371 | New results from testing relativistic gravity with radio pulsars. <i>International Journal of Modern Physics D</i> , 0, , . | 0.9 | 0 |
| 4372 | The methods of thermal field theory for degenerate quantum plasmas in astrophysical compact objects. <i>Reviews of Modern Plasma Physics</i> , 2022, 6, 1. | 2.2 | 4 |
| 4373 | Graviton Mass in the Era of Multi-Messenger Astronomy. <i>Universe</i> , 2022, 8, 83. | 0.9 | 1 |
| 4374 | On black hole area quantization and echoes. <i>Classical and Quantum Gravity</i> , 2022, 39, 045007. | 1.5 | 4 |
| 4375 | Horndeski fermionâ€™boson stars. <i>Classical and Quantum Gravity</i> , 2022, 39, 044001. | 1.5 | 5 |
| 4376 | Black holes in $f(T,B)$ gravity: exact and perturbed solutions. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 037. | 1.9 | 34 |
| 4377 | Exploring the GRB population: robust afterglow modelling. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 2848-2867. | 1.6 | 11 |
| 4378 | Mapping the cosmic expansion history from LIGO-Virgo-KAGRA in synergy with DESI and SPHEREx. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 2782-2795. | 1.6 | 25 |
| 4379 | Hyperon-nucleon femtoscopy, nuclear production and bearing on astrophysics. <i>EPJ Web of Conferences</i> , 2022, 259, 05003. | 0.1 | 0 |
| 4380 | Rotating black holes in Einstein-aether theory. <i>Classical and Quantum Gravity</i> , 2022, 39, 125001. | 1.5 | 10 |
| 4381 | Notes on primordial black hole origin for thermal gamma-ray bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 1218-1223. | 1.6 | 2 |
| 4382 | Imprint of early dark energy in stochastic gravitational wave background. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 6 |
| 4383 | Comparison of perturbative and non-perturbative methods in $f(R)$ gravity. <i>European Physical Journal C</i> , 2022, 82, 1. | 1.4 | 5 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4385 | Constraints on compact binary merger evolution from spin-orbit misalignment in gravitational-wave observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 1454-1461. | 1.6 | 18 |
| 4386 | Constant-roll Inflation in the Generalized SU(2) Proca Theory. <i>Annalen Der Physik</i> , 2022, 534, . | 0.9 | 13 |
| 4387 | Influence of the nuclear symmetry energy slope on observables of compact stars with $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"> \langle \text{mml:mi mathvariant="normal"> \hat{\rho} \langle \text{mml:math}> \text{-admixed hypernuclear matter. } \text{Physical Review C}$, 2022, 105, . | 1.1 | 6 |
| 4388 | Hybrid stars from a constrained equation of state. <i>EPJ Web of Conferences</i> , 2022, 258, 07001. | 0.1 | 1 |
| 4389 | Rotating Kerr-Newman space-times in metric-affine gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 011. | 1.9 | 8 |
| 4390 | Dark Matter Effects on the Compact Star Properties. <i>Galaxies</i> , 2022, 10, 14. | 1.1 | 16 |
| 4391 | Stellar response after stripping as a model for common-envelope outcomes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 2326-2338. | 1.6 | 16 |
| 4392 | Translating Neutron Star Observations to Nuclear Symmetry Energy via Deep Neural Networks. <i>Galaxies</i> , 2022, 10, 16. | 1.1 | 14 |
| 4393 | Characterisations of the HinOTORI telescope with a three-color imager at Ali Observatory in Western Tibet. <i>Journal of Instrumentation</i> , 2022, 17, P01022. | 0.5 | 1 |
| 4394 | Effects of the $\tilde{\rho}$ Meson on the Properties of Hyperon Stars in the Density-dependent Relativistic Mean Field Model. <i>Astrophysical Journal</i> , 2022, 925, 16. | 1.6 | 14 |
| 4395 | Investigation of the effects of non-Gaussian noise transients and their mitigation in parameterized gravitational-wave tests of general relativity. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 8 |
| 4396 | Dynamic modeling for heavy-ion collisions. <i>EPJ Web of Conferences</i> , 2022, 259, 02001. | 0.1 | 2 |
| 4397 | Asymptotic analysis of Chern-Simons modified gravity and its memory effects. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 10 |
| 4398 | SPIIR online coherent pipeline to search for gravitational waves from compact binary coalescences. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 31 |
| 4399 | Bosonic dark matter in neutron stars and its effect on gravitational wave signal. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 53 |
| 4400 | The off-shell recursion for gravity and the classical double copy for currents. <i>Journal of High Energy Physics</i> , 2022, 2022, 1. | 1.6 | 18 |
| 4401 | Starquakes in millisecond pulsars and gravitational waves emission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 3365-3376. | 1.6 | 11 |
| 4402 | Invertible disformal transformations with higher derivatives. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 24 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4403 | Testing modified (Horndeski) gravity by combining intrinsic galaxy alignments with cosmic shear. Monthly Notices of the Royal Astronomical Society, 2022, 510, 4456-4462. | 1.6 | 2 |
| 4404 | Identification and removal of non-Gaussian noise transients for gravitational-wave searches. Physical Review D, 2022, 105, . | 1.6 | 9 |
| 4405 | Light rings and long-lived modes in quasiblack hole spacetimes. Physical Review D, 2022, 105, . | 1.6 | 13 |
| 4406 | The design and performance of charged particle detector onboard the GECAM mission. Radiation Detection Technology and Methods, 2022, 6, 53-62. | 0.4 | 5 |
| 4408 | Gravitational decoupling of generalized Horndeski hybrid stars. European Physical Journal C, 2022, 82, 1. | 1.4 | 16 |
| 4409 | Detector Characterization and Mitigation of Noise in Ground-Based Gravitational-Wave Interferometers. Galaxies, 2022, 10, 12. | 1.1 | 10 |
| 4410 | Constraints on the Nieh-Yan modified teleparallel gravity with gravitational waves. Physical Review D, 2022, 105, . | 1.6 | 25 |
| 4411 | Locating the special point of hybrid neutron stars. EPJ Web of Conferences, 2022, 258, 07009. | 0.1 | 6 |
| 4412 | Light scalars in neutron star mergers. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 006. | 1.9 | 8 |
| 4413 | Neutron stars in massive scalar-Gauss-Bonnet gravity: Spherical structure and time-independent perturbations. Physical Review D, 2022, 105, . | 1.6 | 12 |
| 4414 | Constraining the orbital eccentricity of inspiralling compact binary systems with Advanced LIGO. Physical Review D, 2022, 105, . | 1.6 | 20 |
| 4415 | Interpolating detailed simulations of kilonovae: Adaptive learning and parameter inference applications. Physical Review Research, 2022, 4, . | 1.3 | 13 |
| 4416 | Production of Very Light Elements and Strontium in the Early Ejecta of Neutron Star Mergers. Astrophysical Journal, 2022, 925, 22. | 1.6 | 33 |
| 4417 | Inferring the gravitational binding energy and moment of inertia of PSR J0030 + 0451 and PSR J0740 + 6620 from new universal relations. Classical and Quantum Gravity, 2022, 39, 035014. | 1.5 | 2 |
| 4418 | Space-borne atom interferometric gravitational wave detections. Part II. Dark sirens and finding the one. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 042. | 1.9 | 4 |
| 4419 | On the Angular Momentum Transport Efficiency within the Star Constrained from Gravitational-wave Observations. Astrophysical Journal, 2022, 924, 129. | 1.6 | 16 |
| 4420 | Inferring Kilonova Population Properties with a Hierarchical Bayesian Framework. I. Nondetection Methodology and Single-event Analyses. Astrophysical Journal, 2022, 925, 58. | 1.6 | 3 |
| 4421 | Multicomponent DHOST analysis in galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2022, 511, 1878-1892. | 1.6 | 8 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4422 | Bayesian reconstruction of nuclear matter parameters from the equation of state of neutron star matter. <i>Physical Review C</i> , 2022, 105, . | 1.1 | 15 |
| 4423 | Classical Love number for quantum black holes. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 5 |
| 4424 | Nonlinear electrodynamics effects on the black hole shadow, deflection angle, quasinormal modes and greybody factors. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 009. | 1.9 | 110 |
| 4425 | Quantum Love numbers. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 7 |
| 4426 | Gravitational waves from binary neutron stars. <i>Arabian Journal of Mathematics</i> , 2022, 11, 105-118. | 0.4 | 3 |
| 4427 | The 4D Einstein-Gauss-Bonnet theory of gravity: a review. <i>Classical and Quantum Gravity</i> , 2022, 39, 063001. | 1.5 | 63 |
| 4428 | Analytic Integral Solutions for Induced Gravitational Waves. <i>Astrophysical Journal</i> , 2022, 925, 102. | 1.6 | 14 |
| 4429 | Electrically charged supermassive twin stars. <i>European Physical Journal C</i> , 2022, 82, 1. | 1.4 | 3 |
| 4430 | Manifest colour-kinematics duality and double-copy in the string-based formalism. <i>Nuclear Physics B</i> , 2022, 975, 115690. | 0.9 | 6 |
| 4431 | Spin Dynamics of Moving Bodies in Rotating Black Hole Spacetimes. <i>Annalen Der Physik</i> , 2022, 534, . | 0.9 | 2 |
| 4432 | Compact star in general $F(R)$ gravity: Inevitable degeneracy problem and non-integer power correction. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022, 826, 136929. | 1.5 | 12 |
| 4433 | Probing the primordial Universe with 21-cm line from cosmic dawn/epoch of reionization. <i>Publication of the Astronomical Society of Japan</i> , 2023, 75, S154-S180. | 1.0 | 4 |
| 4434 | Constraints on the curvature of nuclear symmetry energy from recent astronomical data within the KIDS framework. <i>International Journal of Modern Physics E</i> , 2022, 31, . | 0.4 | 20 |
| 4435 | From quarks and gluons to color superconductivity at supranuclear densities. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 4 |
| 4436 | Training strategies for deep learning gravitational-wave searches. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 14 |
| 4437 | Electroweak bubble wall expansion: gravitational waves and baryogenesis in Standard Model-like thermal plasma. <i>Journal of High Energy Physics</i> , 2022, 2022, 1. | 1.6 | 35 |
| 4438 | Quark-gluon plasma and nucleons à la Laughlin. <i>International Journal of Geometric Methods in Modern Physics</i> , 2022, 19, . | 0.8 | 1 |
| 4439 | Compact elastic objects in general relativity. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 12 |

| # | ARTICLE | IF | CITATIONS |
|------|--|------|-----------|
| 4440 | Generalized approach to matched filtering using neural networks. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 14 |
| 4441 | Gravitational-wave and X-ray probes of the neutron star equation of state. <i>Nature Reviews Physics</i> , 2022, 4, 237-246. | 11.9 | 8 |
| 4442 | How Certain is Heisenberg's Uncertainty Principle?. <i>Hopos</i> , 0, , 000-000. | 0.1 | 1 |
| 4443 | A pixelated approach to galaxy catalogue incompleteness: improving the dark siren measurement of the Hubble constant. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 1127-1140. | 1.6 | 21 |
| 4444 | Source-Agnostic Gravitational-Wave Detection with Recurrent Autoencoders. <i>Machine Learning: Science and Technology</i> , 0, , . | 2.4 | 4 |
| 4445 | Cooling of isolated neutron stars with pion condensation: Possible fast cooling in a low-symmetry energy model. <i>International Journal of Modern Physics E</i> , 2022, 31, . | 0.4 | 2 |
| 4446 | Constraining the proportion of PBHs in dark matter by GW events. <i>International Journal of Modern Physics D</i> , 0, , . | 0.9 | 0 |
| 4447 | About the Power Spectrum Of Primordial Gravitational Waves. <i>International Journal of Theoretical Physics</i> , 2022, 61, 1. | 0.5 | 0 |
| 4448 | Detecting Gravitational Waves with Advanced Virgo. <i>Galaxies</i> , 2022, 10, 28. | 1.1 | 8 |
| 4449 | Magnetohydrodynamic Simulations of Self-Consistent Rotating Neutron Stars with Mixed Poloidal and Toroidal Magnetic Fields. <i>Physical Review Letters</i> , 2022, 128, 061101. | 2.9 | 10 |
| 4450 | Estimating tidal Love number of a class of compact stars. <i>European Physical Journal C</i> , 2022, 82, 1. | 1.4 | 8 |
| 4451 | Scalarized non-topological neutron stars in multi-scalar Gauss-Bonnet gravity. <i>European Physical Journal C</i> , 2022, 82, 1. | 1.4 | 2 |
| 4452 | Constraining energy-momentum-squared gravity by binary pulsar observations. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 3 |
| 4453 | The effect of spin mismodelling on gravitational-wave measurements of the binary neutron star mass distribution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 4350-4359. | 1.6 | 5 |
| 4454 | Spatial Curvature and Large Scale Lorentz Violation. <i>Chinese Physics C</i> , 0, , . | 1.5 | 0 |
| 4455 | Malaise and remedy of binary boson-star initial data. <i>Classical and Quantum Gravity</i> , 2022, 39, 074001. | 1.5 | 18 |
| 4456 | Hubble Space Telescope Observations of GW170817: Complete Light Curves and the Properties of the Galaxy Merger of NGC 4993. <i>Astrophysical Journal</i> , 2022, 926, 49. | 1.6 | 16 |
| 4457 | Beyond Horndeski interactions induced by quantum effects. <i>Modern Physics Letters A</i> , 2021, 36, . | 0.5 | 2 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4458 | Optimizing Cadences with Realistic Light-curve Filtering for Serendipitous Kilonova Discovery with Vera Rubin Observatory. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 5. | 3.0 | 12 |
| 4459 | Challenges and opportunities of gravitational-wave searches at MHz to GHz frequencies. <i>Living Reviews in Relativity</i> , 2021, 24, 1. | 8.2 | 105 |
| 4460 | Bayesian parameter estimation using conditional variational autoencoders for gravitational-wave astronomy. <i>Nature Physics</i> , 2022, 18, 112-117. | 6.5 | 66 |
| 4461 | Space-borne atom interferometric gravitational wave detections. Part I. The forecast of bright sirens on cosmology. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 017. | 1.9 | 7 |
| 4462 | Accurate flux calibration of GW170817: is the X-ray counterpart on the rise?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 1902-1909. | 1.6 | 21 |
| 4463 | Transients from ONE white dwarf " neutron star/black hole mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 3758-3777. | 1.6 | 24 |
| 4464 | New insights into nuclear physics and weak mixing angle using electroweak probes. <i>Physical Review C</i> , 2021, 104, . | 1.1 | 17 |
| 4465 | Noise requirements of the cryogenic shielding for next generation cryocooled gravitational wave observatories: Newtonian noise. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 2 |
| 4466 | Primordial black holes and secondary gravitational waves from string inspired general no-scale supergravity. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 14 |
| 4467 | Impact of the nuclear symmetry energy on the post-merger phase of a binary neutron star coalescence. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 24 |
| 4468 | Separating astrophysics and geometry in black hole images. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 24 |
| 4469 | Jet launching from merging magnetized binary neutron stars with realistic equations of state. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 7 |
| 4470 | Real-Time Gravitational Wave Science with Neural Posterior Estimation. <i>Physical Review Letters</i> , 2021, 127, 241103. | 2.9 | 61 |
| 4471 | Strong-Field Gravity Tests with the Double Pulsar. <i>Physical Review X</i> , 2021, 11, . | 2.8 | 97 |
| 4472 | Equations of state for hot neutron stars. <i>European Physical Journal A</i> , 2021, 57, 1. | 1.0 | 15 |
| 4473 | The Challenges Ahead for Multimessenger Analyses of Gravitational Waves and Kilonova: A Case Study on GW190425. <i>Astrophysical Journal</i> , 2021, 922, 269. | 1.6 | 35 |
| 4474 | Real-time Search for Compact Binary Mergers in Advanced LIGO and Virgo's Third Observing Run Using PyCBC Live. <i>Astrophysical Journal</i> , 2021, 923, 254. | 1.6 | 30 |
| 4476 | A Late-time Galaxy-targeted Search for the Radio Counterpart of GW190814. <i>Astrophysical Journal</i> , 2021, 923, 66. | 1.6 | 16 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4477 | LIGO, VIRGO, and KAGRA as the International Gravitational Wave Network. , 2021, , 1-21. | | 1 |
| 4479 | Can the Phase of Radiation Pressure Fluctuations Be Flipped in a Single Path for Laser Interferometric Gravitational Wave Detectors?. SSRN Electronic Journal, 0, , . | 0.4 | 0 |
| 4480 | Binary neutron star mergers of quark matter based nuclear equations of state. EPJ Web of Conferences, 2022, 260, 11004. | 0.1 | 0 |
| 4481 | Improved early-warning estimates of luminosity distance and orbital inclination of compact binary mergers using higher modes of gravitational radiation. Monthly Notices of the Royal Astronomical Society, 2022, 513, 3798-3809. | 1.6 | 1 |
| 4482 | Can the Phase of Radiation Pressure Fluctuations Be Flipped in a Single Path for Laser Interferometric Gravitational Wave Detectors?. SSRN Electronic Journal, 0, , . | 0.4 | 0 |
| 4483 | A Nuclear Equation of State Inferred from Stellar r-process Abundances. Astrophysical Journal, 2022, 926, 196. | 1.6 | 5 |
| 4484 | Primordial black hole merger rate in self-interacting dark matter halo models. Physical Review D, 2022, 105, . | 1.6 | 7 |
| 4485 | Astrophysical constraints on compact objects in 4D Einstein-Gauss-Bonnet gravity. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 033. | 1.9 | 21 |
| 4486 | Universality of the halo mass function in modified gravity cosmologies. Physical Review D, 2022, 105, . | 1.6 | 5 |
| 4487 | Large-scale Monolithic Fused-Silica Mirror Suspension for Third-Generation Gravitational-Wave Detectors. Physical Review Applied, 2022, 17, . | 1.5 | 4 |
| 4488 | Universality of the Turbulent Magnetic Field in Hypermassive Neutron Stars Produced by Binary Mergers. Astrophysical Journal Letters, 2022, 926, L31. | 3.0 | 20 |
| 4489 | Rates of compact object coalescences. Living Reviews in Relativity, 2022, 25, 1. | 8.2 | 102 |
| 4490 | Speed of sound in dense matter and two families of compact stars. Astronomy and Astrophysics, 2022, 660, A62. | 2.1 | 6 |
| 4491 | Properties of rotating neutron stars in light of binary compact object mergers. European Physical Journal Plus, 2022, 137, 1. | 1.2 | 0 |
| 4492 | The Equation of State of Neutron-Rich Matter at Fourth Order of Chiral Effective Field Theory and the Radius of a Medium-Mass Neutron Star. Universe, 2022, 8, 133. | 0.9 | 6 |
| 4493 | Gravitational wave constraints on Lorentz and parity violations in gravity: High-order spatial derivative cases. Physical Review D, 2022, 105, . | 1.6 | 21 |
| 4494 | Measuring the dark matter environments of black hole binaries with gravitational waves. Physical Review D, 2022, 105, . | 1.6 | 29 |
| 4495 | Skyrme-based extrapolation for the static response of neutron matter. Physical Review C, 2022, 105, . | 1.1 | 1 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4496 | Tidal deformation and radial pulsations of neutron star with holographic multi-quark core. <i>European Physical Journal C</i> , 2022, 82, 1. | 1.4 | 6 |
| 4497 | Quantum gravity phenomenology at the dawn of the multi-messenger era—A review. <i>Progress in Particle and Nuclear Physics</i> , 2022, 125, 103948. | 5.6 | 175 |
| 4498 | An analytic parametrization of the hypernuclear matter equation of state. <i>European Physical Journal A</i> , 2022, 58, 1. | 1.0 | 3 |
| 4499 | DECI-hertz Interferometer Gravitational-wave Observatory: Forecast Constraints on the Cosmic Curvature with LSST Strong Lenses. <i>Astrophysical Journal</i> , 2022, 926, 214. | 1.6 | 11 |
| 4500 | An Infrared Search for Kilonovae with the WINTER Telescope. I. Binary Neutron Star Mergers. <i>Astrophysical Journal</i> , 2022, 926, 152. | 1.6 | 10 |
| 4501 | Bayesian Model Selection of Neutron Star Equations of State Using Multi-messenger Observations. <i>Astrophysical Journal</i> , 2022, 926, 75. | 1.6 | 16 |
| 4502 | Short-range correlation effects in neutron star's radial and non-radial oscillations *. <i>Chinese Physics C</i> , 2022, 46, 065104. | 1.5 | 5 |
| 4503 | Axial perturbations of neutron stars with shift symmetric conformal coupling. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 2 |
| 4504 | Testing gravity on cosmic scales: A case study of Jordan-Brans-Dicke theory. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 11 |
| 4505 | Exploring the sky localization and early warning capabilities of third generation gravitational wave detectors in three-detector network configurations. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 17 |
| 4506 | The GRB Prompt Emission: An Unsolved Puzzle. <i>Galaxies</i> , 2022, 10, 38. | 1.1 | 6 |
| 4507 | Thin accretion disk onto slowly rotating black holes in Einstein-Äther theory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 034. | 1.9 | 21 |
| 4508 | Conservative and radiative dynamics in classical relativistic scattering and bound systems. <i>Physical Review Research</i> , 2022, 4, . | 1.3 | 34 |
| 4509 | Compton black-hole scattering for $s \approx 5/2$. <i>Journal of High Energy Physics</i> , 2022, 2022, 1. | 1.6 | 46 |
| 4510 | Constraining the Hubble constant to a precision of about 1% using multi-band dark standard siren detections. <i>Science China: Physics, Mechanics and Astronomy</i> , 2022, 65, 1. | 2.0 | 23 |
| 4511 | Motion of test particle in rotating boson star. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 3 |
| 4512 | Gamma-radiation sky maps from compact binaries. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 027. | 1.9 | 0 |
| 4513 | Horndeski-Proca stars with vector hair. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 7 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4514 | Imposing multi-physics constraints at different densities on the neutron Star Equation of State. <i>European Physical Journal A</i> , 2022, 58, 1. | 1.0 | 21 |
| 4515 | Soliton boson stars, Q-balls and the causal Buchdahl bound. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 032. | 1.9 | 19 |
| 4516 | Neutron Star “Neutron Star and Neutron Star “Black Hole Mergers: Multiband Observations and Early Warnings. <i>Astrophysical Journal</i> , 2022, 926, 158. | 1.6 | 13 |
| 4517 | Second Love number of dark compact planets and neutron stars with dark matter. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 26 |
| 4518 | Implicit correlations within phenomenological parametric models of the neutron star equation of state. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 16 |
| 4519 | Constraining cosmological scaling solutions of a Galileon field. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 4 |
| 4520 | Analytic models of the spectral properties of gravitational waves from neutron star merger remnants. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 17 |
| 4521 | Linking Extragalactic Transients and Their Host Galaxy Properties: Transient Sample, Multiwavelength Host Identification, and Database Construction. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 13. | 3.0 | 6 |
| 4522 | Oscillating magnetized hybrid stars under the magnifying glass of multimessenger observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 517-534. | 1.6 | 8 |
| 4523 | Hierarchical Inference of Binary Neutron Star Mass Distribution and Equation of State with Gravitational Waves. <i>Astrophysical Journal</i> , 2022, 926, 79. | 1.6 | 21 |
| 4524 | Inference-Optimized AI and High Performance Computing for Gravitational Wave Detection at Scale. <i>Frontiers in Artificial Intelligence</i> , 2022, 5, 828672. | 2.0 | 9 |
| 4525 | Compact Objects in Alternative Gravities. <i>Universe</i> , 2022, 8, 153. | 0.9 | 6 |
| 4526 | æš—ç%©è”ç”ç©¶è¿â±•. <i>Scientia Sinica: Physica, Mechanica Et Astronomica</i> , 2022, , . | 0.2 | 0 |
| 4527 | Simplification of Galactic Dynamic Equations. <i>Symmetry</i> , 2022, 14, 407. | 1.1 | 1 |
| 4528 | Review of the Advanced LIGO Gravitational Wave Observatories Leading to Observing Run Four. <i>Galaxies</i> , 2022, 10, 36. | 1.1 | 28 |
| 4529 | Differential configurational entropy and the gravitational collapse of a kink. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 10 |
| 4530 | On the Use of CHIME to Detect Long-duration Radio Transients from Neutron Star Mergers. <i>Astrophysical Journal</i> , 2022, 928, 72. | 1.6 | 0 |
| 4531 | Multi-Physics Constraints at Different Densities to Probe Nuclear Symmetry Energy in Hyperonic Neutron Stars. <i>Frontiers in Astronomy and Space Sciences</i> , 2022, 9, . | 1.1 | 18 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4532 | Evidence for X-Ray Emission in Excess to the Jet-afterglow Decay 3.5 yr after the Binary Neutron Star Merger GW 170817: A New Emission Component. <i>Astrophysical Journal Letters</i> , 2022, 927, L17. | 3.0 | 41 |
| 4533 | Compact stars in the Einstein dark energy model. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 3 |
| 4534 | Ranking Love Numbers for the Neutron Star Equation of State: The Need for Third-Generation Detectors. <i>Physical Review Letters</i> , 2022, 128, 101101. | 2.9 | 24 |
| 4535 | Nuclear Reaction Sensitivity in Magneto-hydrodynamically Driven Supernovae. <i>Astrophysical Journal</i> , 2022, 927, 116. | 1.6 | 1 |
| 4536 | Properties of the neutron star crust: Quantifying and correlating uncertainties with improved nuclear physics. <i>Physical Review C</i> , 2022, 105, . | 1.1 | 6 |
| 4537 | Host galaxies and electromagnetic counterparts to binary neutron star mergers across the cosmic time: detectability of GW170817-like events. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 2654-2668. | 1.6 | 13 |
| 4538 | Sensitivity of third-generation interferometers to extra polarizations in the stochastic gravitational wave background. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 7 |
| 4539 | Direct measurement of the distribution of dark matter with strongly lensed gravitational waves. <i>Astronomy and Astrophysics</i> , 2022, 659, L5. | 2.1 | 13 |
| 4540 | Dark photon bursts from compact binary systems and constraints. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 4 |
| 4541 | Wave operators, torsion, and Weitzenböck identities. <i>General Relativity and Gravitation</i> , 2022, 54, 1. | 0.7 | 2 |
| 4542 | Isoentropic equations of state of β -stable hadronic matter with a quark phase transition. <i>European Physical Journal A</i> , 2022, 58, 1. | 1.0 | 4 |
| 4543 | Chapter 3 Extra-galactic gamma-ray sources *. <i>Chinese Physics C</i> , 2022, 46, 030003. | 1.5 | 5 |
| 4544 | GW SkyNet-Multi: A Machine-learning Multiclass Classifier for LIGO-Virgo Public Alerts. <i>Astrophysical Journal</i> , 2022, 927, 232. | 1.6 | 4 |
| 4545 | Sensing the performance enhancement via asymmetric gain optimization in the atom-light hybrid interferometer. <i>Optics Express</i> , 2022, 30, 11514. | 1.7 | 1 |
| 4546 | How to assess the primordial origin of single gravitational-wave events with mass, spin, eccentricity, and deformability measurements. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 22 |
| 4547 | Selection Effects in Periodic X-Ray Data from Maximizing Detection Statistics. <i>Astrophysical Journal</i> , 2022, 927, 195. | 1.6 | 2 |
| 4548 | “ $\frac{1}{2}\% \mu \frac{1}{4} \cdot \check{S} \cdot \text{æ}^3 \text{ç} \check{S}, \text{â} \text{†} \text{â}^{\text{TM}} \text{â} \text{†} \text{â}^{\text{e}} \text{ç}^{\text{TM}}$ ”. <i>Scientia Sinica: Physica, Mechanica Et Astronomica</i> , 2022, , 0.2 | | 0 |
| 4549 | Instrumental Tip-of-the-iceberg Effects on the Prompt Emission of Swift/BAT Gamma-ray Bursts. <i>Astrophysical Journal</i> , 2022, 927, 157. | 1.6 | 5 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4550 | Thermonuclear $^{17}\text{O}(n, \hat{p})^{18}\text{O}$ Reaction Rate and Its Astrophysical Implications. <i>Astrophysical Journal</i> , 2022, 927, 92. | 1.6 | 1 |
| 4551 | Holographic approach to transport in dense QCD matter. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 10 |
| 4552 | Classification of teleparallel Horndeski cosmology via Noether symmetries. <i>European Physical Journal C</i> , 2022, 82, 1. | 1.4 | 15 |
| 4553 | Model of hybrid star with baryonic and strange quark matter in Tolman-Kuchowicz spacetime. <i>International Journal of Geometric Methods in Modern Physics</i> , 2022, 19, . | 0.8 | 8 |
| 4554 | Core structures of vortices in Ginzburg-Landau theory for neutron ^2P superfluids. <i>Physical Review C</i> , 2022, 105, . | 1.1 | 5 |
| 4555 | Post-Minkowskian radial action from soft limits and velocity cuts. <i>Journal of High Energy Physics</i> , 2022, 2022, 1. | 1.6 | 23 |
| 4556 | Gravitational waves from global cosmic strings and cosmic archaeology. <i>Journal of High Energy Physics</i> , 2022, 2022, 1. | 1.6 | 25 |
| 4557 | Can fermion-boson stars reconcile multimessenger observations of compact stars?. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 17 |
| 4558 | The High Time Resolution Universe Pulsar Survey â€“ XVII. PSR J1325âˆ“6253, a low eccentricity double neutron star system from an ultra-stripped supernova. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 5782-5792. | 1.6 | 14 |
| 4559 | Piezo-deformable mirrors for active mode matching in advanced LIGO. <i>Optics Express</i> , 2022, 30, 10491. | 1.7 | 6 |
| 4560 | Cosmology and modified gravitational wave propagation from binary black hole population models. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 25 |
| 4561 | Multiparameter estimation for qubit states with collective measurements: a case study. <i>New Journal of Physics</i> , 2022, 24, 033037. | 1.2 | 5 |
| 4562 | Gravitational lensing by a black hole in effective loop quantum gravity. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 14 |
| 4563 | Correlations of <i>r</i> -process elements in very metal-poor stars as clues to their nucleosynthesis sites. <i>Astronomy and Astrophysics</i> , 2022, 663, A70. | 2.1 | 14 |
| 4564 | A joint ranking statistic for multi-messenger astronomical searches with gravitational waves. <i>Classical and Quantum Gravity</i> , 2022, 39, 085010. | 1.5 | 2 |
| 4565 | Constraints on planetary and asteroid-mass primordial black holes from continuous gravitational-wave searches. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 14 |
| 4566 | Improvement of the parameter measurement accuracy by the third-generation gravitational wave detector Einstein Telescope. <i>Classical and Quantum Gravity</i> , 2022, 39, 085006. | 1.5 | 5 |
| 4567 | Study of correlations between seismic data and Virgoâ€™s gravitational-wave detector data. <i>Classical and Quantum Gravity</i> , 0, , . | 1.5 | 1 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4568 | Neutron Stars with Baryon Number Violation, Probing Dark Sectors. <i>Symmetry</i> , 2022, 14, 518. | 1.1 | 19 |
| 4569 | Interferometric sensing of a commercial geophone. <i>Classical and Quantum Gravity</i> , 2022, 39, 075023. | 1.5 | 9 |
| 4570 | Tidal effect on the gyroscopic precession around a compact star. <i>International Journal of Modern Physics D</i> , 0, , . | 0.9 | 0 |
| 4571 | Interplay of spin-precession and higher harmonics in the parameter estimation of binary black holes. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 15 |
| 4572 | Bottom-up reconstruction of viable GW170817 compatible Einstein-“Gauss”-Bonnet theories. <i>Classical and Quantum Gravity</i> , 2022, 39, 095008. | 1.5 | 8 |
| 4573 | An Eccentric Binary Blackhole in Post-Newtonian Theory. <i>Symmetry</i> , 2022, 14, 510. | 1.1 | 3 |
| 4574 | Confronting a set of Skyrme and χ_{EFT} predictions for the crust of neutron stars. <i>European Physical Journal A</i> , 2022, 58, 1. | 1.0 | 5 |
| 4575 | Quantifying modeling uncertainties when combining multiple gravitational-wave detections from binary neutron star sources. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 12 |
| 4576 | Early Warnings of Binary Neutron Star Coalescence Using the SPIIR Search. <i>Astrophysical Journal Letters</i> , 2022, 927, L9. | 3.0 | 7 |
| 4577 | Radio-loud versus Radio-quiet Gamma-Ray Bursts: The Role of Binary Progenitors. <i>Astrophysical Journal</i> , 2022, 928, 104. | 1.6 | 4 |
| 4578 | Discovery of Three Candidate Magnetar-powered Fast X-Ray Transients from Chandra Archival Data. <i>Astrophysical Journal</i> , 2022, 927, 211. | 1.6 | 8 |
| 4579 | A Systematic Exploration of Kilonova Candidates from Neutron Star Mergers during the Third Gravitational-wave Observing Run. <i>Astrophysical Journal</i> , 2022, 927, 50. | 1.6 | 6 |
| 4580 | Identifying gravitational wave emission signature in electromagnetic observations of short gamma-ray bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , . | 1.6 | 0 |
| 4581 | Solar mass black holes from neutron stars and bosonic dark matter. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 10 |
| 4582 | Anisotropic compact stars in Rastall-“Rainbow gravity. <i>Classical and Quantum Gravity</i> , 2022, 39, 085008. | 1.5 | 13 |
| 4583 | Classification of core-collapse supernova explosions with learned dictionaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 3815-3827. | 1.6 | 6 |
| 4584 | Early warning of precessing neutron-star black hole binary mergers with the near-future gravitational-wave detectors. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 3878-3884. | 1.6 | 4 |
| 4585 | A compact instrument for gamma-ray burst detection on a CubeSat platform II. <i>Experimental Astronomy</i> , 2022, 53, 961-990. | 1.6 | 7 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4586 | Anisotropic Compact Stars in $D = 4$ Limit of Gauss-Bonnet Gravity. <i>Symmetry</i> , 2022, 14, 545. | 1.1 | 15 |
| 4587 | Pasta phases in neutron stars under strong magnetic fields. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 4 |
| 4588 | Parametric instability in the neutron star extreme matter observatory. <i>Classical and Quantum Gravity</i> , 2022, 39, 085007. | 1.5 | 1 |
| 4589 | Understanding How Fast Black Holes Spin by Analyzing Data from the Second Gravitational-wave Catalogue. <i>Astrophysical Journal</i> , 2022, 928, 75. | 1.6 | 14 |
| 4590 | Probing the dark Solar system: detecting binary asteroids with a space-based interferometric asteroid explorer. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 3738-3753. | 1.6 | 3 |
| 4591 | Polarization modes of gravitational waves in Palatini-Horndeski theory. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 10 |
| 4592 | The shape of scalar Gauss-Bonnet gravity. <i>Journal of High Energy Physics</i> , 2022, 2022, 1. | 1.6 | 10 |
| 4593 | Exploring the universal relations with the correlation analysis of neutron star properties. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 3 |
| 4594 | Multimessenger Constraints for Ultradense Matter. <i>Physical Review X</i> , 2022, 12, . | 2.8 | 61 |
| 4595 | Constraining the cosmological parameters using gravitational wave observations of massive black hole binaries and statistical redshift information. <i>Physical Review Research</i> , 2022, 4, . | 1.3 | 24 |
| 4596 | High-accuracy simulations of highly spinning binary neutron star systems. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 2 |
| 4597 | Simplifying $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle D \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -dimensional physical-state sums in gauge theory and gravity. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 10 |
| 4598 | Kilonova Detectability with Wide-field Instruments. <i>Astrophysical Journal</i> , 2022, 927, 163. | 1.6 | 34 |
| 4599 | Identify real gravitational wave events in the LIGO-Virgo catalog GWTC-1 and GWTC-2 with convolutional neural network. <i>Frontiers of Physics</i> , 2022, 17, 1. | 2.4 | 2 |
| 4600 | The impact of natal kicks on galactic r-process enrichment by neutron star mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 5258-5268. | 1.6 | 14 |
| 4601 | Neutron star mass formula with nuclear saturation parameters. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 6 |
| 4602 | No Evidence of Kinetic Screening in Simulations of Merging Binary Neutron Stars beyond General Relativity. <i>Physical Review Letters</i> , 2022, 128, 091103. | 2.9 | 27 |
| 4603 | Generalized quasi-Keplerian solution for eccentric, nonspinning compact binaries at 4PN order and the associated inspiral-merger-ringdown waveform. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 11 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4604 | A Search for Correlated Low-energy Electron Antineutrinos in KamLAND with Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2022, 927, 69. | 1.6 | 2 |
| 4605 | Second-order peculiar velocity field as a novel probe of scalar-tensor theories. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 4 |
| 4606 | Numerical Equilibrium Configurations and Quadrupole Moments of Post-Merger Differentially Rotating Relativistic Stars. <i>Universe</i> , 2022, 8, 172. | 0.9 | 3 |
| 4607 | Peaks of sound velocity in two color dense QCD: Quark saturation effects and semishort range correlations. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 15 |
| 4608 | Electromagnetic Signatures from Supermassive Binary Black Holes Approaching Merger. <i>Astrophysical Journal</i> , 2022, 928, 137. | 1.6 | 17 |
| 4609 | Conservative and Radiative Dynamics of Spinning Bodies at Third Post-Minkowskian Order Using Worldline Quantum Field Theory. <i>Physical Review Letters</i> , 2022, 128, 141102. | 2.9 | 55 |
| 4610 | Spontaneous radiation of black holes. <i>Nuclear Physics B</i> , 2022, 977, 115722. | 0.9 | 6 |
| 4611 | Stochastic Background of Gravitational Waves Generated by Black Hole MACHO Binaries in the Galaxy. <i>Brazilian Journal of Physics</i> , 2022, 52, 1. | 0.7 | 0 |
| 4612 | A simple parity violating model in the symmetric teleparallel gravity and its cosmological perturbations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022, 827, 136968. | 1.5 | 18 |
| 4613 | Impact of slow conversions on hybrid stars with sequential QCD phase transitions. <i>European Physical Journal C</i> , 2022, 82, 1. | 1.4 | 8 |
| 4614 | Exploring Features in the Binary Black Hole Population. <i>Astrophysical Journal</i> , 2022, 928, 155. | 1.6 | 25 |
| 4615 | Population Properties of Gravitational-wave Neutron Star–Black Hole Mergers. <i>Astrophysical Journal</i> , 2022, 928, 167. | 1.6 | 15 |
| 4616 | Gravitational Perturbations of the Einstein-Euler-Heisenberg Black Hole. <i>Chinese Physics C</i> , 0, , . | 1.5 | 0 |
| 4617 | On primordial black holes and secondary gravitational waves generated from inflation with solo/multi-bumpy potential *. <i>Chinese Physics C</i> , 2022, 46, 045103. | 1.5 | 25 |
| 4618 | Long-term 3D MHD simulations of black hole accretion discs formed in neutron star mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 2689-2707. | 1.6 | 18 |
| 4619 | Hybrid stars in a relativistic quark model. <i>Physical Review C</i> , 2022, 105, . | 1.1 | 1 |
| 4620 | Does fractal universe favour warm inflation: Observational support?. <i>Nuclear Physics B</i> , 2022, 978, 115767. | 0.9 | 3 |
| 4621 | The RTApipe framework for the gamma-ray real-time analysis software development. <i>Astronomy and Computing</i> , 2022, 39, 100570. | 0.8 | 2 |

| # | ARTICLE | IF | CITATIONS |
|------|--|------|-----------|
| 4622 | Is local H_0 at odds with dark energy EFT?. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 004. | 1.9 | 46 |
| 4623 | Holographic QCD in the NICER era. Physical Review D, 2022, 105, . | 1.6 | 9 |
| 4624 | Impact of extreme spins and mass ratios on the post-merger observables of high-mass binary neutron stars. Monthly Notices of the Royal Astronomical Society, 2022, 513, 3646-3662. | 1.6 | 12 |
| 4625 | Parameter estimation with gravitational waves. Reviews of Modern Physics, 2022, 94, . | 16.4 | 30 |
| 4626 | Two dimensional clustering of Gamma-Ray Bursts using durations and hardness. Astrophysics and Space Science, 2022, 367, 1. | 0.5 | 8 |
| 4627 | r-Process nucleosynthesis in gravitational-wave and other explosive astrophysical events. Nature Reviews Physics, 2022, 4, 306-318. | 11.9 | 18 |
| 4628 | Neutron stars in scalar-tensor gravity with quartic order scalar potential. Annals of Physics, 2022, 440, 168839. | 1.0 | 19 |
| 4629 | Embedded Firmware Development for a Novel CubeSat Gamma-Ray Detector. , 2021, , . | | 3 |
| 4630 | Detecting residues of cosmic events using residual neural network. , 2021, , . | | 0 |
| 4632 | Origin and Binary Evolution of Millisecond Pulsars. Astrophysics and Space Science Library, 2022, , 201-244. | 1.0 | 2 |
| 4633 | Incompressibility and symmetry energy of a neutron star. Physical Review C, 2021, 104, . | 1.1 | 4 |
| 4634 | Lensing Magnification Seen by Gravitational Wave Detectors. Universe, 2022, 8, 19. | 0.9 | 4 |
| 4635 | g modes of neutron stars with hadron-to-quark crossover transitions. Physical Review D, 2021, 104, . | 1.6 | 15 |
| 4636 | Hadron-quark Pasta Phase in Massive Neutron Stars. Astrophysical Journal, 2021, 923, 250. | 1.6 | 12 |
| 4637 | Promise of Persistent Multi-Messenger Astronomy with the Blazar OJ 287. Galaxies, 2022, 10, 1. | 1.1 | 18 |
| 4638 | Populating the Black Hole Mass Gaps in Stellar Clusters: General Relations and Upper Limits. Astrophysical Journal, 2021, 923, 126. | 1.6 | 10 |
| 4639 | The impact of r -process heating on the dynamics of neutron star merger accretion disc winds and their electromagnetic radiation. Monthly Notices of the Royal Astronomical Society, 2022, 510, 2968-2979. | 1.6 | 11 |
| 4640 | Phase Conversions in Neutron Stars: Implications for Stellar Stability and Gravitational Wave Astrophysics. Universe, 2021, 7, 493. | 0.9 | 12 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4641 | Gravitational Lensing of Continuous Gravitational Waves. <i>Universe</i> , 2021, 7, 502. | 0.9 | 7 |
| 4642 | Leveraging gravitational-wave memory to distinguish neutron star-black hole binaries from black hole binaries. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 9 |
| 4643 | The 3+1 formalism in teleparallel and symmetric teleparallel gravity. <i>European Physical Journal C</i> , 2021, 81, 1. | 1.4 | 15 |
| 4644 | Determination of the symmetry energy from the neutron star equation of state. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 11 |
| 4645 | Testing General Relativity with Gravitational Waves: An Overview. <i>Universe</i> , 2021, 7, 497. | 0.9 | 14 |
| 4646 | Gravitational waves in Hořava-Lifshitz anisotropic gravity. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 1 |
| 4647 | Probing prerecombination physics by the cross-correlation of stochastic gravitational waves and CMB anisotropies. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 26 |
| 4648 | Lensing of gravitational waves as a novel probe of graviton mass. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 10 |
| 4649 | Detailed examination of astrophysical constraints on the symmetry energy and the neutron skin of ^{208}Pb with minimal modeling assumptions. <i>Physical Review C</i> , 2021, 104, . | 1.6 | 38 |
| 4650 | Coalescence of black hole-neutron star binaries. <i>Living Reviews in Relativity</i> , 2021, 24, 1. | 8.2 | 29 |
| 4651 | Gravitational waves from tidal disruption events: an open and comprehensive catalog. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 992-1001. | 1.6 | 7 |
| 4652 | r-Process Radioisotopes from Near-Earth Supernovae and Kilonovae. <i>Astrophysical Journal</i> , 2021, 923, 219. | 1.6 | 15 |
| 4653 | Gamma-Ray Bursts: Multiwavelength Investigations and Models. <i>Astronomy Letters</i> , 2021, 47, 791-830. | 0.1 | 4 |
| 4654 | Population Properties of Neutron Stars in the Coalescing Compact Binaries. <i>Astrophysical Journal</i> , 2021, 923, 97. | 1.6 | 7 |
| 4655 | Revisiting the Post-glitch Relaxation of the 2000 Vela Glitch with the Neutron Star Equation of States in the Brueckner and Relativistic Brueckner Theories. <i>Astrophysical Journal</i> , 2021, 923, 108. | 1.6 | 4 |
| 4656 | A comprehensive search for the radio counterpart of GW190814 with the Australian Square Kilometre Array Pathfinder. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 3794-3805. | 1.6 | 14 |
| 4657 | The Role of Longitudinal Polarizations in Horndeski and Macroscopic Gravity: Introducing Gravitational Plasmas. <i>Universe</i> , 2021, 7, 496. | 0.9 | 7 |
| 4658 | Neutron star scalarization with Gauss-Bonnet and Ricci scalar couplings. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 8 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4659 | Hot neutron stars and their equation of state. <i>Physical Review C</i> , 2021, 104, . | 1.1 | 8 |
| 4660 | Heavy particle non-decoupling in flavor-changing gravitational interactions. <i>Progress of Theoretical and Experimental Physics</i> , 2022, 2022, . | 1.8 | 0 |
| 4662 | Tidal deformability of strange quark planets and strange dwarfs. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 6 |
| 4663 | Enhancing high frequency sensitivity of gravitational wave detectors with a Sagnac interferometer. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 2 |
| 4664 | Cosmological Tests of Gravity: A Future Perspective. <i>Universe</i> , 2021, 7, 506. | 0.9 | 4 |
| 4665 | Identifying QCD Phase Transitions via the Gravitational Wave Frequency from a Supernova Explosion. <i>Astrophysical Journal</i> , 2021, 922, 266. | 1.6 | 4 |
| 4666 | Minimal theory of massive gravity and constraints on the graviton mass. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 011. | 1.9 | 11 |
| 4667 | Preparing the next gravitational million-body simulations: evolution of single and binary stars in <code><sc>nbody6++gpu</sc></code> , <code><sc>moCCA</sc></code> , and <code><sc>mcluster</sc></code> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 4060-4089. | 1.6 | 24 |
| 4668 | Constraints on the Electromagnetic Counterpart of the Neutron-star–Black-hole Merger GW200115. <i>Astrophysical Journal Letters</i> , 2021, 923, L32. | 3.0 | 13 |
| 4669 | A Fast Data Processing Technique for Continuous Gravitational Wave Searches. <i>Universe</i> , 2021, 7, 486. | 0.9 | 0 |
| 4670 | Neutron star oscillations in pseudo-Newtonian gravity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 3629-3640. | 1.6 | 1 |
| 4671 | Equation-of-state Dependence of Gravitational Waves in Core-collapse Supernovae. <i>Astrophysical Journal</i> , 2021, 923, 201. | 1.6 | 21 |
| 4672 | Models of binary neutron star remnants with tabulated equations of state. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 2948-2967. | 1.6 | 5 |
| 4673 | Using a multi-messenger and multi-wavelength observational strategy to probe the nature of dark energy through direct measurements of cosmic expansion history. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 042. | 1.9 | 13 |
| 4674 | Gamma-ray Bursts at the Highest Energies. <i>Universe</i> , 2021, 7, 503. | 0.9 | 6 |
| 4675 | AT 2018lqh and the Nature of the Emerging Population of Day-scale Duration Optical Transients. <i>Astrophysical Journal</i> , 2021, 922, 247. | 1.6 | 8 |
| 4676 | Synthesis of Heavy Elements in the Universe. <i>Astronomy and Astrophysics Library</i> , 2022, , 169-202. | 0.2 | 1 |
| 4677 | Effective chirp mass in the inspiral frequency evolution of the nonspinning eccentric compact binary. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 1 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4678 | Recent multimessenger constraints and the anisotropic neutron star. <i>Physical Review C</i> , 2021, 104, . | 1.1 | 15 |
| 4679 | Assessing gravitational-wave binary black hole candidates with Bayesian odds. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 8 |
| 4680 | Equation of state and neutrino transfer in supernovae and neutron stars. <i>European Physical Journal A</i> , 2021, 57, 1. | 1.0 | 3 |
| 4681 | Crustal properties of a neutron star within an effective relativistic mean-field model. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 9 |
| 4682 | Primordial black holes and scalar induced gravitational waves from the E model with a Gauss-Bonnet term. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 21 |
| 4683 | Constraining cosmological extra dimensions with gravitational wave standard sirens: From theory to current and future multimessenger observations. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 12 |
| 4684 | UV completions, fixing the equations, and nonlinearities in k -essence. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 19 |
| 4685 | An infinite class of exact rotating black hole metrics of modified gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 052. | 1.9 | 1 |
| 4686 | Systematic study for the surface properties of neutron stars. <i>Physical Review C</i> , 2022, 105, . | 1.1 | 0 |
| 4687 | Effects of relativistic parameter sets on tidal deformabilities and f-mode oscillations of neutron stars. <i>Communications in Theoretical Physics</i> , 2022, 74, 065301. | 1.1 | 1 |
| 4688 | Thermal relaxation of dark matter admixed neutron star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 1820-1833. | 1.6 | 8 |
| 4689 | Machine learning algorithm for minute-long burst searches. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 7 |
| 4690 | A scalable elliptic solver with task-based parallelism for the SpECTRE numerical relativity code. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 2 |
| 4691 | A standard siren cosmological measurement from the potential GW190521 electromagnetic counterpart ZTF19abanhr. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 2152-2157. | 1.6 | 14 |
| 4692 | Search for scalar-tensor mixed polarization modes of gravitational waves. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 10 |
| 4693 | Conserved charges in Chern-Simons modified theory and memory effects. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 032. | 1.9 | 5 |
| 4694 | Uncertainty limits on neutron star radius measurements with gravitational waves. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 20 |
| 4695 | Constraints on the Maximum Densities of Neutron Stars from Postmerger Gravitational Waves with Third-Generation Observations. <i>Physical Review Letters</i> , 2022, 128, 161102. | 2.9 | 15 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4696 | Collective plasma effects of electron-positron pairs in beam-driven QED cascades. <i>Physics of Plasmas</i> , 2022, 29, . | 0.7 | 5 |
| 4697 | The Gravitational Wave Universe Toolbox. <i>Astronomy and Astrophysics</i> , 2022, 663, A155. | 2.1 | 9 |
| 4698 | Reconstruction of fission events in heavy ion reactions with the compact spectrometer for heavy ion experiment. <i>Nuclear Science and Techniques/Hewuli</i> , 2022, 33, 1. | 1.3 | 5 |
| 4699 | First Application of Mass Measurements with the Rare-Isotope Ring Reveals the Solar r -Process Abundance Trend at $A < 122$ and $A > 122$ and $A < 122$ and $A > 122$. <i>Physical Review Letters</i> , 2022, 128, 082501. | 2.9 | 16 |
| 4700 | Third order post-Newtonian gravitational radiation from two-body scattering: Instantaneous energy and angular momentum radiation. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 7 |
| 4701 | Applications and Techniques for Fast Machine Learning in Science. <i>Frontiers in Big Data</i> , 2022, 5, 787421. | 1.8 | 20 |
| 4702 | Hybrid stars and the QCD phase transition with an NJL-type model. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 3 |
| 4703 | Revisiting Black Hole Hyperaccretion in the Center of Gamma-Ray Bursts for the Lower Mass Gap. <i>Astrophysical Journal</i> , 2022, 929, 83. | 1.6 | 4 |
| 4704 | Astrophysical reaction rates with realistic nuclear level densities. <i>Physical Review C</i> , 2022, 105, . | 1.1 | 5 |
| 4705 | PUSHing Core-collapse Supernovae to Explosions in Spherical Symmetry. V. Equation of State Dependency of Explosion Properties, Nucleosynthesis Yields, and Compact Remnants. <i>Astrophysical Journal</i> , 2022, 929, 43. | 1.6 | 18 |
| 4706 | Ultralight bosonic dark matter in white dwarfs and potential observational consequences. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 5 |
| 4707 | Landau parameters and entrainment matrix of cold stellar matter: effect of the symmetry energy and strong magnetic fields. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 024. | 1.9 | 0 |
| 4708 | 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. | 2.4 | 350 |
| 4709 | Search for Gravitational Waves Associated with Gamma-Ray Bursts Detected by Fermi and Swift during the LIGO-Virgo Run O3b. <i>Astrophysical Journal</i> , 2022, 928, 186. | 1.6 | 15 |
| 4710 | SOAR/Goodman Spectroscopic Assessment of Candidate Counterparts of the LIGO/Virgo Event GW190814*. <i>Astrophysical Journal</i> , 2022, 929, 115. | 1.6 | 9 |
| 4711 | Linking the rates of neutron star binaries and short gamma-ray bursts. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 21 |
| 4712 | Superradiance evolution of black hole shadows revisited. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 63 |
| 4714 | Can a binary neutron star merger in the vicinity of a supermassive black hole enable a detection of a post-merger gravitational wave signal?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 3577-3586. | 1.6 | 5 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4733 | Breakthrough Multi-Messenger Astrophysics with the THESEUS Space Mission. <i>Galaxies</i> , 2022, 10, 60. | 1.1 | 3 |
| 4734 | Can we decipher the composition of the core of a neutron star?. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 15 |
| 4735 | Scattering Amplitudes, the Tail Effect, and Conservative Binary Dynamics at $\mathcal{O}(\epsilon^4)$. <i>Physical Review D</i> , 2022, 105, . | 2.9 | 73 |
| 4736 | The Current Status and Future Prospects of KAGRA, the Large-Scale Cryogenic Gravitational Wave Telescope Built in the Kamioka Underground. <i>Galaxies</i> , 2022, 10, 63. | 1.1 | 13 |
| 4737 | Research Facilities for Europe's Next Generation Gravitational-Wave Detector Einstein Telescope. <i>Galaxies</i> , 2022, 10, 65. | 1.1 | 13 |
| 4738 | Compact star merger events with stars composed of interacting strange quark matter. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 3788-3797. | 1.6 | 8 |
| 4739 | Atomic data and opacity calculations in La ^{III} ions for the investigation of kilonova emission spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 2302-2325. | 1.6 | 8 |
| 4740 | Anisotropic compact objects with colour-flavour-locked equation of state in Finch and Skea geometry. <i>European Physical Journal Plus</i> , 2022, 137, 1. | 1.2 | 7 |
| 4741 | Ensemble of deep convolutional neural networks for real-time gravitational wave signal recognition. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 7 |
| 4742 | Prospects for multimessenger detection of binary neutron star mergers in the fourth LIGO-Virgo-KAGRA observing run. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 4159-4168. | 1.6 | 20 |
| 4743 | Nuclear Matter and Neutron Stars from Relativistic Brueckner-Hartree-Fock Theory. <i>Astrophysical Journal</i> , 2022, 930, 137. | 1.6 | 6 |
| 4744 | Quark-nuclear hybrid equation of state for neutron stars under modern observational constraints. <i>Physical Review C</i> , 2022, 105, . | 1.1 | 28 |
| 4745 | Cosmic evolution in DHOST theory with scaling solutions. <i>European Physical Journal C</i> , 2022, 82, 1. | 1.4 | 0 |
| 4746 | Gamma-Ray Bursts Afterglow Physics and the VHE Domain. <i>Galaxies</i> , 2022, 10, 66. | 1.1 | 17 |
| 4747 | High precision ringdown modeling: Multimode fits and BMS frames. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 21 |
| 4748 | Traversable wormholes in beyond Horndeski theories. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 022. | 1.9 | 10 |
| 4749 | New Mass Estimates for Massive Binary Systems: A Probabilistic Approach Using Polarimetric Radiative Transfer. <i>Astrophysical Journal</i> , 2022, 930, 89. | 1.6 | 2 |
| 4750 | Oscillating Magnetized Color Superconducting Quark Stars. <i>Universe</i> , 2022, 8, 272. | 0.9 | 2 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4751 | Closing a spontaneous-scalarization window with binary pulsars. <i>Classical and Quantum Gravity</i> , 2022, 39, 11LT01. | 1.5 | 24 |
| 4752 | Probing neutron stars with the full premerger and postmerger gravitational wave signal from binary coalescences. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 21 |
| 4753 | Target-of-opportunity Observations of Gravitational-wave Events with Vera C. Rubin Observatory. <i>Astrophysical Journal, Supplement Series</i> , 2022, 260, 18. | 3.0 | 21 |
| 4754 | Hierarchical approach to matched filtering using a reduced basis. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 6 |
| 4755 | Possible consistent model of parity violations in the symmetric teleparallel gravity. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 16 |
| 4756 | Sound-ring radiation of expanding vortex clusters. <i>Physical Review Research</i> , 2022, 4, . | 1.3 | 4 |
| 4757 | Searches for Modulated $\hat{\gamma}$ -Ray Precursors to Compact Binary Mergers in Fermi-GBM Data. <i>Astrophysical Journal</i> , 2022, 930, 45. | 1.6 | 4 |
| 4758 | A chiral mean-field equation-of-state in UrQMD: effects on the heavy ion compression stage. <i>European Physical Journal C</i> , 2022, 82, 1. | 1.4 | 12 |
| 4759 | Many-body approximations to the superfluid gap and critical temperature in pure neutron matter. <i>European Physical Journal A</i> , 2022, 58, . | 1.0 | 4 |
| 4760 | Cosmology of a supercooled universe. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 11 |
| 4761 | Constraining the relativistic mean-field models from PREX-2 data: effective forces revisited *. <i>Chinese Physics C</i> , 2022, 46, 094103. | 1.5 | 2 |
| 4762 | Slowly rotating neutron star with holographic multiquark core: I-Love-Q relations. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 3 |
| 4763 | Hardware-accelerated inference for real-time gravitational-wave astronomy. <i>Nature Astronomy</i> , 2022, 6, 529-536. | 4.2 | 3 |
| 4764 | Chemical evolution of ytterbium in the Galactic disk. <i>Astronomy and Astrophysics</i> , 2022, 665, A135. | 2.1 | 8 |
| 4765 | Long-term Evolution of a Supernova Remnant Hosting a Double Neutron Star Binary. <i>Astrophysical Journal</i> , 2022, 930, 143. | 1.6 | 1 |
| 4766 | Modelling the spectra of the kilonova AT2017gfo â€” I. The photospheric epochs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 631-651. | 1.6 | 36 |
| 4767 | Novel hairy black hole solutions in Einsteinâ€™Maxwellâ€™Gaussâ€™Bonnet-scalar theory. <i>International Journal of Modern Physics A</i> , 2022, 37, . | 0.5 | 6 |
| 4768 | Parametrized tests of post-Newtonian theory using principal component analysis. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 10 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4769 | Extended Gravity Constraints at Different Scales. <i>Universe</i> , 2022, 8, 283. | 0.9 | 0 |
| 4770 | Jet launching from binary neutron star mergers: Incorporating neutrino transport and magnetic fields. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 16 |
| 4771 | Formulating bulk viscosity for neutron star simulations. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 5 |
| 4772 | Structural properties of rotating hybrid compact stars with color-flavor-locked quark matter core and their tidal deformability. <i>European Physical Journal A</i> , 2022, 58, . | 1.0 | 4 |
| 4773 | New pseudospectral code for the construction of initial data. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 4 |
| 4774 | Neutron star properties with careful parametrization in the vector and axial-vector meson extended linear sigma model. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 6 |
| 4775 | Incorporating the weak mixing angle dependence to reconcile the neutron skin measurement on ^{208}Pb by PREX-II. <i>Physical Review C</i> , 2022, 105, . | 1.6 | 8 |
| 4776 | Holographic modeling of nuclear matter and neutron stars. <i>European Physical Journal C</i> , 2022, 82, . | 1.4 | 29 |
| 4777 | Ringling black holes are superradiant: The case of ultralight scalar fields. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 0 |
| 4778 | Probing the Progenitor of High-z Short-duration GRB 201221D and its Possible Bulk Acceleration in Prompt Emission. <i>Research in Astronomy and Astrophysics</i> , 2022, 22, 075011. | 0.7 | 3 |
| 4779 | Gravitational-wave evolution of newborn magnetars with different deformed structures. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 2 |
| 4780 | Properties of hybrid stars with hadron-quark crossover. <i>Modern Physics Letters A</i> , 2022, 37, . | 0.5 | 1 |
| 4781 | Benchmark calculations of infinite neutron matter with realistic two- and three-nucleon potentials. <i>Physical Review C</i> , 2022, 105, . | 1.1 | 18 |
| 4782 | Implementing a new recovery scheme for primitive variables in the general relativistic magnetohydrodynamic code Spritz. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 2 |
| 4783 | Gravitational waves in models with multicritical-point principle. <i>European Physical Journal C</i> , 2022, 82, . | 1.4 | 1 |
| 4784 | Status and Perspectives of Continuous Gravitational Wave Searches. <i>Galaxies</i> , 2022, 10, 72. | 1.1 | 20 |
| 4785 | Neutrino emission from binary neutron star mergers: characterising light curves and mean energies. <i>European Physical Journal A</i> , 2022, 58, . | 1.0 | 22 |
| 4786 | Asteroids for $\frac{1}{4}\text{Hz}$ gravitational-wave detection. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 22 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4787 | How Perturbative QCD Constrains the Equation of State at Neutron-Star Densities. <i>Physical Review Letters</i> , 2022, 128, . | 2.9 | 52 |
| 4788 | Large eddy simulations of magnetized mergers of neutron stars with neutrinos. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 10 |
| 4789 | Science-driven Tunable Design of Cosmic Explorer Detectors. <i>Astrophysical Journal</i> , 2022, 931, 22. | 1.6 | 27 |
| 4790 | Holographic approach to compact stars and their binary mergers. <i>Progress in Particle and Nuclear Physics</i> , 2022, 126, 103972. | 5.6 | 14 |
| 4791 | Scrambling time for analogue black holes embedded in AdS space. <i>European Physical Journal C</i> , 2022, 82, . | 1.4 | 5 |
| 4792 | Head-on collisions of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < \text{mml:mo} > \hat{a}, < / \text{mml:mo} > < / \text{mml:math} >$ -boson stars. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 11 |
| 4793 | On LGRB progenitors: An approach from thermally-produced neutrinos. <i>Journal of High Energy Astrophysics</i> , 2022, 34, 217-228. | 2.4 | 0 |
| 4794 | First-Order General-Relativistic Viscous Fluid Dynamics. <i>Physical Review X</i> , 2022, 12, . | 2.8 | 48 |
| 4795 | On Possible Quantization of Stress-Energy Tensor. <i>SSRN Electronic Journal</i> , 0, , . | 0.4 | 0 |
| 4796 | «æž, åå... ¶å½æè¼ç" ï¼šæ¥è†åŽGRB 170817Aå½™è¾¼%oçš,,é™å^¶. <i>Scientia Sinica: Physica et Astronomica</i> | | |
| 4797 | Gamma-Ray Bursts at TeV Energies: Theoretical Considerations. <i>Galaxies</i> , 2022, 10, 74. | 1.1 | 12 |
| 4798 | Electromagnetic radiation from axion condensates in a time dependent magnetic field. <i>Journal of High Energy Physics</i> , 2022, 2022, . | 1.6 | 2 |
| 4799 | Gravitational radiation in higher order non-local gravity. <i>International Journal of Geometric Methods in Modern Physics</i> , 2022, 19, . | 0.8 | 5 |
| 4800 | Modeling the Multiband Light Curves of the Afterglows of Three Gamma-Ray Bursts and their Associated Supernovae. <i>Astrophysical Journal</i> , 2022, 931, 90. | 1.6 | 1 |
| 4801 | Population inference of spin-induced quadrupole moments as a probe for nonblack hole compact binaries. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 11 |
| 4802 | Vainshtein screening in Horndeski theories nonminimally and kinetically coupled to ordinary matter. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 1 |
| 4803 | Searching for the origin of the rare-earth peak with precision mass measurements across Ce- ¹³⁷ Eu isotopic chains. <i>Physical Review C</i> , 2022, 105, . | 1.1 | 11 |
| 4804 | Detection of gravitational wave mixed polarization with single space-based detectors. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 5 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4805 | Third post-Newtonian gravitational radiation from two-body scattering. II. Hereditary energy radiation. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 5 |
| 4806 | \int^3 -Ray Flashes from Dark Photons in Neutron Star Mergers. <i>Physical Review Letters</i> , 2022, 128, . | 2.9 | 7 |
| 4807 | NANOGrav signal and LIGO-Virgo primordial black holes from the Higgs field. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 046. | 1.9 | 16 |
| 4808 | Gravitational Waves from a Core-Collapse Supernova: Perspectives with Detectors in the Late 2020s and Early 2030s. <i>Galaxies</i> , 2022, 10, 70. | 1.1 | 4 |
| 4809 | Localization of gravitational waves using machine learning. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 3 |
| 4810 | Gravitational influence of high power laser pulses. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 3 |
| 4811 | Gravitational background from dynamical binaries and detectability with 2G detectors. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 7 |
| 4812 | Characterization of the inner edge of the neutron star crust. <i>Physical Review C</i> , 2022, 105, . | 1.1 | 2 |
| 4813 | Impact of noise transients on low latency gravitational-wave event localization. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 12 |
| 4814 | Establishing the Nonprimordial Origin of Black Hole–Neutron Star Mergers. <i>Astrophysical Journal</i> , 2022, 931, 2. | 1.6 | 7 |
| 4815 | Symplectic quantization of multifield generalized Proca electrodynamics. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 2 |
| 4816 | Non-homogeneous exoplanets in metric-affine gravity. <i>International Journal of Geometric Methods in Modern Physics</i> , 2022, 19, . | 0.8 | 9 |
| 4817 | GRB 211227A as a Peculiar Long Gamma-Ray Burst from a Compact Star Merger. <i>Astrophysical Journal Letters</i> , 2022, 931, L23. | 3.0 | 20 |
| 4818 | Stability of black holes with non-minimally coupled scalar hair to the Einstein tensor. <i>General Relativity and Gravitation</i> , 2022, 54, . | 0.7 | 8 |
| 4819 | No slip gravity in light of LISA standard sirens. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 1274-1281. | 1.6 | 5 |
| 4820 | High time resolution search for prompt radio emission from the long GRB 210419A with the Murchison Widefield Array. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 2756-2768. | 1.6 | 4 |
| 4821 | On the stability of the open-string QED neutron and dark matter. <i>European Physical Journal A</i> , 2022, 58, . | 1.0 | 1 |
| 4822 | Multiple Measurements of Gravitational Waves Acting as Standard Probes: Model-independent Constraints on the Cosmic Curvature with DECIGO. <i>Astrophysical Journal</i> , 2022, 931, 119. | 1.6 | 12 |

| # | ARTICLE | IF | CITATIONS |
|------|---|------|-----------|
| 4823 | Methods for relativistic self-gravitating fluids: from binary neutron stars to black hole-disks and magnetized rotating neutron stars. <i>General Relativity and Gravitation</i> , 2022, 54, . | 0.7 | 1 |
| 4824 | A wavelet-based method for thrust noise assessment in gravitational wave detection over wide-frequency-range. <i>Acta Astronautica</i> , 2022, , . | 1.7 | 0 |
| 4825 | Radial perturbations of scalar-Gauss-Bonnet black holes beyond spontaneous scalarization. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 14 |
| 4827 | Isospin effects on intermediate mass fragments at intermediate energy-heavy ion collisions. <i>Nuclear Science and Techniques/Hewuli</i> , 2022, 33, . | 1.3 | 9 |
| 4828 | Numerical relativity simulations of prompt collapse mergers: Threshold mass and phenomenological constraints on neutron star properties after GW170817. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 22 |
| 4829 | Thinking Outside the Box: Numerical Relativity with Particles. <i>Symmetry</i> , 2022, 14, 1280. | 1.1 | 8 |
| 4830 | Generalized McVittie geometry in Horndeski gravity with matter. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 5 |
| 4831 | Effect of inhomogeneities on the propagation of gravitational waves from binaries of compact objects. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 021. | 1.9 | 4 |
| 4832 | Axions from neutron star mergers. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 6 |
| 4833 | Extending the Fisher Information Matrix in Gravitational-wave Data Analysis. <i>Astrophysical Journal</i> , 2022, 932, 102. | 1.6 | 8 |
| 4834 | On high-order numerical schemes for viscous relativistic hydrodynamics through the Kelvinâ€Helmholtz instability. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , . | 1.6 | 0 |
| 4835 | Radiation reaction for spinning black-hole scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022, 832, 137258. | 1.5 | 30 |
| 4836 | Gravitational Glint: Detectable Gravitational Wave Tails from Stars and Compact Objects. <i>Physical Review Letters</i> , 2022, 128, . | 2.9 | 1 |
| 4837 | Compact Binary Coalescences: Astrophysical Processes and Lessons Learned. <i>Galaxies</i> , 2022, 10, 76. | 1.1 | 18 |
| 4838 | Constraining neutron-star matter with microscopic and macroscopic collisions. <i>Nature</i> , 2022, 606, 276-280. | 13.7 | 112 |
| 4839 | Radioactively Powered Gamma-Ray Transient Associated with a Kilonova from Neutron Star Merger. <i>Astrophysical Journal Letters</i> , 2022, 932, L7. | 3.0 | 5 |
| 4840 | Constraining the Time of Gravitational-wave Emission from Core-collapse Supernovae. <i>Astrophysical Journal</i> , 2022, 931, 159. | 1.6 | 4 |
| 4841 | Modified gravity, gravitational waves and the large-scale structure of the Universe: A brief report. , 2022, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4842 | Accelerating binary black hole system. International Journal of Modern Physics A, 0, , . | 0.5 | 0 |
| 4843 | Impact of biaxial birefringence in polar ice at radio frequencies on signal polarizations in ultrahigh energy neutrino detection. Physical Review D, 2022, 105, . | 1.6 | 4 |
| 4844 | Resonant shattering flares in black hole-neutron star and binary neutron star mergers. Monthly Notices of the Royal Astronomical Society, 2022, 514, 5385-5402. | 1.6 | 12 |
| 4845 | Investigating the detection rates and inference of gravitational-wave and radio emission from black hole neutron star mergers. Astronomy and Astrophysics, 2022, 664, A160. | 2.1 | 3 |
| 4846 | Electromagnetic follow-up observations of binary neutron star mergers with early warnings from decihertz gravitational-wave observatories. Monthly Notices of the Royal Astronomical Society, 2022, 515, 739-748. | 1.6 | 7 |
| 4847 | High-precision Measurements of Cosmic Curvature from Gravitational Wave and Cosmic Chronometer Observations. Research in Astronomy and Astrophysics, 2022, 22, 085016. | 0.7 | 2 |
| 4848 | Tidal deformability of dark matter admixed neutron stars. Physical Review D, 2022, 105, . | 1.6 | 22 |
| 4849 | In Search of Short Gamma-Ray Burst Optical Counterparts with the Zwicky Transient Facility. Astrophysical Journal, 2022, 932, 40. | 1.6 | 3 |
| 4850 | Testing Quantum Gravity in the Multi-Messenger Astronomy Era. Universe, 2022, 8, 321. | 0.9 | 1 |
| 4851 | New first-order formulation of the Einstein equations exploiting analogies with electrodynamics. Physical Review D, 2022, 105, . | 1.6 | 3 |
| 4852 | GeV Signatures of Short Gamma-Ray Bursts in Active Galactic Nuclei. Astrophysical Journal, 2022, 932, 80. | 1.6 | 8 |
| 4853 | Impacts of gravitational-wave standard siren observations from Einstein Telescope and Cosmic Explorer on weighing neutrinos in interacting dark energy models. Communications in Theoretical Physics, 2022, 74, 105404. | 1.1 | 16 |
| 4854 | On the jet structures of GRB 050820A and GRB 070125. Research in Astronomy and Astrophysics, 0, , . | 0.7 | 0 |
| 4855 | Generating enhanced primordial GWs during inflation with intermittent violation of NEC and diminishment of GW propagating speed. Journal of High Energy Physics, 2022, 2022, . | 1.6 | 6 |
| 4856 | Spinning gravimagnetic particles in Schwarzschild-like black holes. Physical Review D, 2022, 105, . | 1.6 | 0 |
| 4857 | First-order thermodynamics of Horndeski gravity. Physical Review D, 2022, 105, . | 1.6 | 15 |
| 4858 | Generalized nonconservative gravitational field equations from Herglotz action principle. Physical Review D, 2022, 105, . | 1.6 | 5 |
| 4859 | Mass-spin reparametrization for a rapid parameter estimation of inspiral gravitational-wave signals. Physical Review D, 2022, 105, . | 1.6 | 5 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4860 | Differentiating between sharp and smoother phase transitions in neutron stars. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 4 |
| 4861 | Giant planet formation in Palatini gravity. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 10 |
| 4862 | Interacting u and d quark matter at finite densities and quark stars. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 12 |
| 4863 | Laboratory and On-sky Testing of an InGaAs Detector for Infrared Imaging. <i>Publications of the Astronomical Society of the Pacific</i> , 2022, 134, 065001. | 1.0 | 2 |
| 4864 | Impact of dipolar magnetic fields on gravitational wave strain by galactic binaries. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 7 |
| 4865 | Spin symmetry energy and equation of state of spin-polarized neutron star matter. <i>Physical Review C</i> , 2022, 105, . | 1.1 | 2 |
| 4866 | Systematic bias due to eccentricity in parameter estimation for merging binary neutron stars. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 2 |
| 4867 | Exploring hybrid star EOS with constraints from tidal deformability of GW170817. <i>Nuclear Physics A</i> , 2022, 1025, 122489. | 0.6 | 2 |
| 4868 | LIGO, VIRGO, and KAGRA as the International Gravitational Wave Network. , 2022, , 1205-1225. | | 0 |
| 4869 | Measuring Cosmological Parameters with Gravitational Waves. , 2022, , 1821-1871. | | 0 |
| 4870 | Gravitational wave astronomy, data analysis and observation results from the gravitational wave telescope. <i>Atomos</i> , 2022, 64, 337-341. | 0.0 | 0 |
| 4871 | Introduction to Gravitational Wave Astronomy. , 2022, , 3-33. | | 0 |
| 4872 | Black Hole-Neutron Star Mergers. , 2022, , 611-660. | | 0 |
| 4873 | Post-Newtonian Templates for Gravitational Waves from Compact Binary Inspirals. , 2022, , 1229-1277. | | 0 |
| 4874 | Repeated Bursts. , 2022, , 1311-1345. | | 0 |
| 4875 | Multi-messenger Astrophysics with the Highest Energy Counterparts of Gravitational Waves. , 2022, , 993-1018. | | 0 |
| 4876 | Terrestrial Laser Interferometers. , 2022, , 37-83. | | 0 |
| 4877 | Space-Based Gravitational Wave Observatories. , 2022, , 85-155. | | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4878 | Electromagnetic Counterparts of Gravitational Waves in the Hz-kHz Range. , 2022, , 947-991. | | 0 |
| 4879 | r-Process Nucleosynthesis from Compact Binary Mergers. , 2022, , 555-610. | | 0 |
| 4880 | Bridging the Gap: Categorizing Gravitational-wave Events at the Transition between Neutron Stars and Black Holes. <i>Astrophysical Journal</i> , 2022, 931, 108. | 1.6 | 25 |
| 4881 | Constraining the nuclear equation of state from rotating neutron stars. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 5 |
| 4882 | Hyperons, deconfinement, and the speed of sound in neutron stars. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 4 |
| 4883 | The Peculiar Short-duration GRB 200826A and Its Supernova*. <i>Astrophysical Journal</i> , 2022, 932, 1. | 1.6 | 37 |
| 4884 | Using machine learning to parametrize postmerger signals from binary neutron stars. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 4 |
| 4885 | Dark matter admixed neutron star properties in light of gravitational wave observations: A two fluid approach. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 21 |
| 4886 | Searching for isotropic stochastic gravitational-wave background in the international pulsar timing array second data release. <i>Communications in Theoretical Physics</i> , 2022, 74, 105402. | 1.1 | 23 |
| 4887 | Critical Tests of Leading Gamma Ray Burst Theories. <i>Universe</i> , 2022, 8, 350. | 0.9 | 5 |
| 4888 | Energy conditions in a modified Brans-Dicke theory. <i>General Relativity and Gravitation</i> , 2022, 54, . | 0.7 | 3 |
| 4889 | Equations of state for hot neutron stars-II. The role of exotic particle degrees of freedom. <i>European Physical Journal A</i> , 2022, 58, . | 1.0 | 12 |
| 4890 | Semi-empirical relation to understand matter properties at neutron star interiors. <i>European Physical Journal C</i> , 2022, 82, . | 1.4 | 2 |
| 4891 | Positivity bounds from multiple vacua and their cosmological consequences. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 031. | 1.9 | 13 |
| 4892 | LEGWORK: A Python Package for Computing the Evolution and Detectability of Stellar-origin Gravitational-wave Sources with Space-based Detectors. <i>Astrophysical Journal, Supplement Series</i> , 2022, 260, 52. | 3.0 | 14 |
| 4893 | Examination of the multitude of signals from the phase transition of a neutron star to a quark star. <i>Physical Review C</i> , 2022, 105, . | 1.1 | 2 |
| 4894 | Prospects for distinguishing dynamical tides in inspiralling binary neutron stars with third generation gravitational-wave detectors. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 13 |
| 4895 | Electromagnetic Counterparts of Binary-neutron-star Mergers Leading to a Strongly Magnetized Long-lived Remnant Neutron Star. <i>Astrophysical Journal</i> , 2022, 933, 22. | 1.6 | 12 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4896 | Recent advances in the study of the prompt emission of gamma-ray bursts. <i>Journal of Astrophysics and Astronomy</i> , 2022, 43, . | 0.4 | 2 |
| 4897 | Influence of Spontaneous Fission Rates on the r-process Nucleosynthesis. <i>Astrophysical Journal</i> , 2022, 933, 3, . | 1.6 | 5 |
| 4898 | New horizons for fundamental physics with LISA. <i>Living Reviews in Relativity</i> , 2022, 25, . | 8.2 | 82 |
| 4899 | Quasinormal modes for massive charged scalar fields in Reissner-Nordström dS black holes: anomalous decay rate. <i>Journal of High Energy Physics</i> , 2022, 2022, . | 1.6 | 8 |
| 4900 | Performance of the KAGRA detector during the first joint observation with GEO600 (O3GK). <i>Progress of Theoretical and Experimental Physics</i> , 2023, 2023, . Forecasting F with Q http://www.w3.org/1998/Math/MathML $\langle F \rangle = \langle Q \rangle$ | 1.8 | 4 |
| 4901 | cosmology with Λ CDM background using standard sirens. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 22 |
| 4902 | Density functional approach to quark matter with confinement and color superconductivity. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 20 |
| 4903 | Utilizing the null stream of the Einstein Telescope. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 12 |
| 4904 | From Galactic Bars to the Hubble Tension: Weighing Up the Astrophysical Evidence for Milgromian Gravity. <i>Symmetry</i> , 2022, 14, 1331. | 1.1 | 50 |
| 4905 | On the stability of covariant BSSN formulation. <i>Classical and Quantum Gravity</i> , 0, , . | 1.5 | 0 |
| 4906 | The use of hypermodels to understand binary neutron star collisions. <i>Nature Astronomy</i> , 2022, 6, 961-967. | 4.2 | 5 |
| 4907 | Prospects of calibrating afterglow modeling of short GRBs with gravitational wave inclination angle measurements and resolving the Hubble tension with a GW-GRB association event. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 5 |
| 4908 | Turbulent magnetic field amplification in binary neutron star mergers. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 26 |
| 4909 | Local energy density functional for superfluid Fermi gases from effective field theory. <i>Physical Review A</i> , 2022, 106, . | 1.0 | 3 |
| 4910 | Gravitational waves in gauge theory gravity with a negative cosmological constant. <i>Classical and Quantum Gravity</i> , 2022, 39, 175005. | 1.5 | 1 |
| 4911 | Incorporating a Radiative Hydrodynamics Scheme in the Numerical-Relativity Code BAM. <i>Universe</i> , 2022, 8, 370. | 0.9 | 3 |
| 4912 | Full analytic expression of overlap reduction function for gravitational wave background with pulsar timing arrays. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 3 |
| 4913 | Impact and detectability of spin-tidal couplings in neutron star inspirals. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 9 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4914 | Possibility to Identify the Contributions from Collapsars, Supernovae, and Neutron Star Mergers from the Evolution of the r-process Mass Abundance Distribution. <i>Astrophysical Journal</i> , 2022, 933, 112. | 1.6 | 9 |
| 4915 | Source localizations with the network of space-based gravitational wave detectors. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 6 |
| 4916 | Astrometric gravitational-wave detection via stellar interferometry. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 7 |
| 4917 | Characterizing the Breakdown of Quasi-universality in Postmerger Gravitational Waves from Binary Neutron Star Mergers. <i>Astrophysical Journal Letters</i> , 2022, 933, L39. | 3.0 | 9 |
| 4918 | Searching for Kerr in the 2PM amplitude. <i>Journal of High Energy Physics</i> , 2022, 2022, . | 1.6 | 37 |
| 4919 | The production of actinides in neutron star mergers. <i>AAPPS Bulletin</i> , 2022, 32, . | 2.7 | 3 |
| 4920 | Cosmological memory effect in scalar-tensor theories. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 0 |
| 4921 | Entropy-limited higher-order central scheme for neutron star merger simulations. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 3 |
| 4922 | Effective-one-body waveforms for precessing coalescing compact binaries with post-Newtonian twist. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 24 |
| 4923 | An S -matrix approach to gravitational-wave physics. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2022, 380, . | 1.6 | 2 |
| 4924 | CALET Search for Electromagnetic Counterparts of Gravitational Waves during the LIGO/Virgo O3 Run. <i>Astrophysical Journal</i> , 2022, 933, 85. | 1.6 | 3 |
| 4925 | Electromagnetic precursor flares from the late inspiral of neutron star binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 2710-2724. | 1.6 | 11 |
| 4926 | Beta-decay half-lives of the isotopes close to the neutron drip line and astrophysical implications. <i>Physica Scripta</i> , 2022, 97, 085301. | 1.2 | 1 |
| 4927 | General-relativistic neutrino-radiation magnetohydrodynamic simulation of seconds-long black hole-neutron star mergers. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 40 |
| 4928 | Modification of the mean free path of very high-energy photons due to a relativistic deformed kinematics. <i>European Physical Journal Plus</i> , 2022, 137, . | 1.2 | 3 |
| 4929 | Impact of massive binary star and cosmic evolution on gravitational wave observations – II. Double compact object rates and properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 5737-5761. | 1.6 | 47 |
| 4930 | Remnants and thermal corrections in Horndeski black holes with non-minimal kinetic coupling. <i>European Physical Journal Plus</i> , 2022, 137, . | 1.2 | 0 |
| 4931 | Gamma-Ray Diagnostics of r-process Nucleosynthesis in the Remnants of Galactic Binary Neutron-star Mergers. <i>Astrophysical Journal</i> , 2022, 933, 111. | 1.6 | 4 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 4932 | Geometric approach for the modified second generation time delay interferometry. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 7 |
| 4933 | Effect of Horndeski theory on weak deflection angle using the Gauss–Bonnet theorem. <i>International Journal of Geometric Methods in Modern Physics</i> , 2022, 19, . | 0.8 | 3 |
| 4934 | Numerical Simulations of Dark Matter Admixed Neutron Star Binaries. <i>Particles</i> , 2022, 5, 273-286. | 0.5 | 15 |
| 4935 | Testing viable extensions of Einstein–Gauss–Bonnet gravity. <i>Physics of the Dark Universe</i> , 2022, 37, 101100. | 1.8 | 10 |
| 4936 | High-accuracy high-mass-ratio simulations for binary neutron stars and their comparison to existing waveform models. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 2 |
| 4937 | GRANDMA observations of ZTF/Fink transients during summer 2021. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 6007-6022. | 1.6 | 7 |
| 4938 | A synopsis of global frontiers in fertility preservation. <i>Journal of Assisted Reproduction and Genetics</i> , 2022, 39, 1693-1712. | 1.2 | 7 |
| 4939 | Astrophysical gravitational-wave echoes from galactic nuclei. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 3299-3318. | 1.6 | 8 |
| 4940 | Perspectives for multimessenger astronomy with the next generation of gravitational-wave detectors and high-energy satellites. <i>Astronomy and Astrophysics</i> , 2022, 665, A97. | 2.1 | 23 |
| 4941 | Radio Constraints on r-process Nucleosynthesis by Collapsars. <i>Astrophysical Journal Letters</i> , 2022, 934, L5. | 3.0 | 1 |
| 4942 | Implementation of the regularized Rudin-Osher-Fatemi denoising method in the coherent wave burst pipeline for gravitational-wave data analysis. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 1 |
| 4943 | Electromagnetic self-force on a charged particle on Kerr spacetime: Equatorial circular orbits. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 3 |
| 4944 | Active Objects, the Asymmetry of Matter, Black Holes, and the Higgs Boson in Fractal Systems. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2022, 86, 870-875. | 0.1 | 0 |
| 4945 | GRB Afterglow of the Sub-relativistic Materials with Energy Injection. <i>Astrophysical Journal</i> , 2022, 933, 243. | 1.6 | 1 |
| 4946 | On the moment of inertia of PSR J0737-3039 A from LIGO/Virgo and NICER. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 5071-5080. | 1.6 | 10 |
| 4947 | Gauge Formulation of Heaviside’s Equations. <i>Journal of Applied Mathematics and Physics</i> , 2022, 10, 2292-2302. | 0.2 | 6 |
| 4948 | Neutron stars for training high-school teachers. <i>Journal of Physics: Conference Series</i> , 2022, 2297, 012029. | 0.3 | 1 |
| 4949 | Pasta properties of the neutron star within effective relativistic mean-field model. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 8 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4950 | Rapid source classification and distance estimation for compact binary mergers with PyCBC live. Monthly Notices of the Royal Astronomical Society, 2022, 515, 5718-5729. | 1.6 | 0 |
| 4951 | Nonorthogonal wavelet transformation for reconstructing gravitational wave signals. Physical Review Research, 2022, 4, . | 1.3 | 1 |
| 4952 | Study of the detection capability and observation strategy of WFST-like telescope for kilonovae. Scientia Sinica: Physica, Mechanica Et Astronomica, 2023, 53, 259511. | 0.2 | 1 |
| 4953 | Phase transitions and resilience of the magnetic dual chiral density wave phase at finite temperature and density. Physical Review D, 2022, 106, . | 1.6 | 10 |
| 4954 | Quasinormal modes of self-dual black holes in loop quantum gravity. Physical Review D, 2022, 106, . | 1.6 | 3 |
| 4955 | Quasinormal modes of massive scalar fields in four-dimensional wormholes: Anomalous decay rate. Physical Review D, 2022, 106, . | 1.6 | 18 |
| 4956 | Opacity of the Highly Ionized Lanthanides and the Effect on the Early Kilonova. Astrophysical Journal, 2022, 934, 117. | 1.6 | 18 |
| 4957 | General relativistic treatment of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mi} \rangle \text{f} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -mode oscillations of hyperonic stars. Physical Review C, 2022, 106, . | 1.1 | 16 |
| 4958 | Universal relations for rapidly rotating cold and hot hybrid stars. Monthly Notices of the Royal Astronomical Society, 2022, 515, 3539-3554. | 1.6 | 8 |
| 4959 | Realistic Detection and Early Warning of Binary Neutron Stars with Decihertz Gravitational-wave Observatories. Astrophysical Journal, 2022, 934, 84. | 1.6 | 6 |
| 4960 | Transient simulations for radio surveys. Astronomy and Computing, 2022, 40, 100629. | 0.8 | 2 |
| 4961 | Fast sky localization of gravitational waves using deep learning seeded importance sampling. Physical Review D, 2022, 106, . | 1.6 | 5 |
| 4962 | Numerical relativity for Horndeski gravity. International Journal of Modern Physics D, 2022, 31, . | 0.9 | 16 |
| 4963 | Evidence for subdominant multipole moments and precession in merging black-hole-binaries from GWTC-2.1. Physical Review D, 2022, 106, . | 1.6 | 12 |
| 4964 | Gravitational collapse in AdS: instabilities, turbulence, and information. European Physical Journal Plus, 2022, 137, . | 1.2 | 4 |
| 4965 | Broad search for gravitational waves from subsolar-mass binaries through LIGO and Virgo's third observing run. Physical Review D, 2022, 106, . | 1.6 | 21 |
| 4966 | Status and initial physics performance studies of the MPD experiment at NICA. European Physical Journal A, 2022, 58, . | 1.0 | 25 |
| 4967 | Effect of dynamical screening on quantized longitudinal electrical conductivity in neutron star mergers. Physica Scripta, 0, , . | 1.2 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4968 | Inner crust equations of state for CompOSE. <i>European Physical Journal A</i> , 2022, 58, . | 1.0 | 2 |
| 4969 | The First Short GRB Millimeter Afterglow: The Wide-angled Jet of the Extremely Energetic SGRB 211106A. <i>Astrophysical Journal Letters</i> , 2022, 935, L11. | 3.0 | 10 |
| 4970 | Radiopurity of a kg-scale PbWO ₄ cryogenic detector produced from archaeological Pb for the RES-NOVA experiment. <i>European Physical Journal C</i> , 2022, 82, . | 1.4 | 4 |
| 4971 | Investigating the mass-ratio dependence of the prompt-collapse threshold with numerical-relativity simulations. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 14 |
| 4972 | Compact objects of spherical symmetry in beyond Horndeski theories. <i>Journal of High Energy Physics</i> , 2022, 2022, . | 1.6 | 9 |
| 4973 | Gravitationally lensed orphan afterglows of gamma-ray bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 453-464. | 1.6 | 4 |
| 4974 | Modelling the host galaxies of binary compact object mergers with observational scaling relations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 3297-3317. | 1.6 | 13 |
| 4975 | The Galactic underworld: the spatial distribution of compact remnants. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 4971-4979. | 1.6 | 4 |
| 4976 | Constraining the Ellipticity of the Newborn Magnetar with the Observational Data of Long Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2022, 934, 125. | 1.6 | 2 |
| 4977 | Targeted large mass ratio numerical relativity surrogate waveform model for GW190814. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 17 |
| 4978 | Induced gravitational waves from multi-sound speed resonances during cosmological inflation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 051. | 1.9 | 8 |
| 4979 | The Hadron-quark Crossover in Neutron Star within Gaussian Process Regression Method. <i>Astrophysical Journal</i> , 2022, 935, 88. | 1.6 | 7 |
| 4980 | Spin-down induced quark-hadron phase transition in cold isolated neutron stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 1127-1136. | 1.6 | 4 |
| 4981 | Dancing in the dark: detecting a population of distant primordial black holes. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 006. | 1.9 | 13 |
| 4982 | Cosmic Explorer: A Next-Generation Ground-Based Gravitational-Wave Observatory. <i>Galaxies</i> , 2022, 10, 90. | 1.1 | 14 |
| 4983 | A global test of jet structure and delay time distribution of short-duration gamma-ray bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 1654-1661. | 1.6 | 2 |
| 4984 | Testing for a Random Walk Structure in the Frequency Evolution of a Tone in Noise. <i>Sensors</i> , 2022, 22, 6103. | 2.1 | 0 |
| 4985 | <tt>KilonovaNet</tt>: Surrogate models of kilonova spectra with conditional variational autoencoders. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 1137-1148. | 1.6 | 5 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 4986 | Hyperon bulk viscosity and r -modes of neutron stars. Monthly Notices of the Royal Astronomical Society, 2022, 516, 3381-3388. | 1.6 | 2 |
| 4987 | The 2PM Hamiltonian for binary Kerr to quartic in spin. Journal of High Energy Physics, 2022, 2022, . | 1.6 | 35 |
| 4988 | Convolutional neural network for gravitational-wave early alert: Going down in frequency. Physical Review D, 2022, 106, . | 1.6 | 6 |
| 4989 | Relativistic mean field model parametrizations in the light of GW170817, GW190814, and PSR $J_{0740+6620}$. Physical Review C, 2022, 106, . | 1.1 | 7 |
| 4990 | An Exploration of an Early Gravity Transition in Light of Cosmological Tensions. Astrophysical Journal, 2022, 935, 156. | 1.6 | 14 |
| 4991 | Constraining Nucleosynthesis in Neutrino-driven Winds: Observations, Simulations, and Nuclear Physics. Astrophysical Journal, 2022, 935, 27. | 1.6 | 12 |
| 4992 | The role of the hadron-quark phase transition in core-collapse supernovae. Monthly Notices of the Royal Astronomical Society, 2022, 516, 2554-2574. | 1.6 | 10 |
| 4993 | Extragalactic Millimeter Transients in the Era of Next-generation CMB Surveys. Astrophysical Journal, 2022, 935, 16. | 1.6 | 5 |
| 4994 | Testing the Amati and Yonetoku correlations for short gamma-ray bursts. Astrophysics and Space Science, 2022, 367, . | 0.5 | 2 |
| 4995 | Teleparallel scalar-tensor gravity through cosmological dynamical systems. European Physical Journal C, 2022, 82, . | 1.4 | 16 |
| 4996 | Gravitational bremsstrahlung from spinning binaries in the post-Minkowskian expansion. Physical Review D, 2022, 106, . | 1.6 | 25 |
| 4997 | A Comprehensive Analysis of the Gravitational Wave Events with the Stacked Hilbert–Huang Transform: From Compact Binary Coalescence to Supernova. Astrophysical Journal, 2022, 935, 127. | 1.6 | 5 |
| 4998 | Gravitational waves and electromagnetic transients. Journal of Astrophysics and Astronomy, 2022, 43, . | 0.4 | 1 |
| 4999 | Modeling the Gamma-Ray Burst Jet Properties with 3D General Relativistic Simulations of Magnetically Arrested Accretion Flows. Astrophysical Journal, 2022, 935, 176. | 1.6 | 1 |
| 5000 | Quasinormal modes of nonlinearly charged black holes surrounded by a cloud of strings in Rastall gravity. International Journal of Geometric Methods in Modern Physics, 2023, 20, . | 0.8 | 16 |
| 5001 | Breaking of universal relationships of axial w modes in hybrid stars: Rapid and slow hadron-quark conversion scenarios. Physical Review D, 2022, 106, . | 1.6 | 6 |
| 5002 | Scalar QED as a toy model for higher-order effects in classical gravitational scattering. Journal of High Energy Physics, 2022, 2022, . | 1.6 | 15 |
| 5003 | Dark matter effects on tidal deformabilities and moment of inertia in a hadronic model with short-range correlations. Physical Review D, 2022, 106, . | 1.6 | 15 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5004 | Deflection and gravitational lensing of null and timelike signals in the Kiselev black hole spacetime in the weak field limit. <i>Classical and Quantum Gravity</i> , 2022, 39, 195013. | 1.5 | 3 |
| 5005 | A Robust Test of the Existence of Primordial Black Holes in Galactic Dark Matter Halos. <i>Astrophysical Journal Letters</i> , 2022, 935, L28. | 3.0 | 7 |
| 5006 | An effective fluid description of scalar-vector-tensor theories under the sub-horizon and quasi-static approximations. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 059. | 1.9 | 6 |
| 5007 | Numerical relativity simulations of the neutron star merger GW190425: microphysics and mass ratio effects. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 4760-4781. | 1.6 | 16 |
| 5008 | Asymmetric nuclear matter and neutron star properties in relativistic <i>ab initio</i> theory in the full Dirac space. <i>Physical Review C</i> , 2022, 106, . | 1.1 | 7 |
| 5009 | Universal relations for quasinormal modes of neutron stars in R^2 Experimental study of the | 1.6 | 4 |
| 5010 | Experimental study of the Ca_{40} Ca_{48} | 1.1 | 4 |
| 5011 | Cosmology with Gravitational Waves: A Review. <i>Annalen Der Physik</i> , 2024, 536, . | 0.9 | 4 |
| 5012 | Semiclassical Effects in Color Flavor Locked Strange Stars. <i>Brazilian Journal of Physics</i> , 2022, 52, . | 0.7 | 2 |
| 5013 | Foraging with MUSHROOMS: A Mixed-integer Linear Programming Scheduler for Multimessenger Target of Opportunity Searches with the Zwicky Transient Facility. <i>Astrophysical Journal</i> , 2022, 935, 87. | 1.6 | 4 |
| 5014 | Hubble constant and nuclear equation of state from kilonova spectro-photometric light curves. <i>Astronomy and Astrophysics</i> , 2022, 666, A67. | 2.1 | 5 |
| 5015 | Observing Scenarios for the Next Decade of Early Warning Detection of Binary Neutron Stars. <i>Astrophysical Journal</i> , 2022, 935, 139. | 1.6 | 7 |
| 5016 | Hybrid star model in Tolman-Buchdahl metric potentials with coupled dark energy and baryonic matter. <i>Astrophysics and Space Science</i> , 2022, 367, . | 0.5 | 12 |
| 5017 | Accurate modeling and mitigation of overlapping signals and glitches in gravitational-wave data. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 10 |
| 5018 | Comprehension of Jet Physics from the Analysis of the Gamma-Ray Burst Afterglow Parameter Distributions. <i>Annalen Der Physik</i> , 2024, 536, . | 0.9 | 0 |
| 5019 | Electroweak phase transition and gravitational waves in the type-II seesaw model. <i>Journal of High Energy Physics</i> , 2022, 2022, . | 1.6 | 13 |
| 5020 | Linear stability of black holes with static scalar hair in full Horndeski theories: Generic instabilities and surviving models. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 14 |
| 5021 | Impact of Dynamical Tides on the Reconstruction of the Neutron Star Equation of State. <i>Physical Review Letters</i> , 2022, 129, . | 2.9 | 20 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5022 | New self-consistent effective one-body theory for spinless binaries based on the post-Minkowskian approximation. <i>Science China: Physics, Mechanics and Astronomy</i> , 2022, 65, . | 2.0 | 10 |
| 5023 | The H.E.S.S. transients follow-up system. <i>Astronomy and Astrophysics</i> , 2022, 666, A119. | 2.1 | 5 |
| 5024 | Constraining neutron star properties with a new equation of state insensitive approach. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 5 |
| 5025 | Gravitational wave modes in matter. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 017. | 1.9 | 6 |
| 5026 | Modified time-delay interferometry with an optical frequency comb. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 3 |
| 5027 | Quantum field theoretical structure of electrical conductivity of cold and dense fermionic matter in the presence of a magnetic field. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 7 |
| 5028 | Reheating era in Gauss-Bonnet theories of gravity compatible with the GW170817 event. <i>Nuclear Physics B</i> , 2022, 984, 115945. | 0.9 | 2 |
| 5029 | Kaon-baryon coupling schemes and kaon condensation in hyperon-mixed matter. <i>Progress of Theoretical and Experimental Physics</i> , 0, , . | 1.8 | 0 |
| 5030 | On the Reconstruction of the Scalar Mode of GW170817 in Scalar-Tensor Gravity Theory. <i>Annalen Der Physik</i> , 2024, 536, . | 0.9 | 0 |
| 5031 | X-Raying the Birth of Binary Neutron Stars and Neutron Star-Black Hole Binaries. <i>Astrophysical Journal</i> , 2022, 935, 86. | 1.6 | 0 |
| 5032 | Measuring the propagation speed of gravitational waves with LISA. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 031. | 1.9 | 19 |
| 5033 | Mirror neutron stars. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 13 |
| 5034 | Gravitational wave luminosity distance in viscous cosmological models. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 064. | 1.9 | 1 |
| 5035 | Equation-of-state-insensitive measure of neutron star stiffness. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 4 |
| 5036 | Doppler boosting the stochastic gravitational wave background. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 036. | 1.9 | 14 |
| 5037 | Non-trivial class of anisotropic compact stellar model in Rastall gravity. <i>European Physical Journal C</i> , 2022, 82, . | 1.4 | 19 |
| 5038 | Computational challenges for multimodal astrophysics. <i>Nature Computational Science</i> , 2022, 2, 479-485. | 3.8 | 1 |
| 5039 | Does nonstationary noise in LIGO and Virgo affect the estimation of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < \text{mml:msub} > < \text{mml:mi} > H < \text{mml:mi} > < \text{mml:mn} > 0 < \text{mml:mn} > < \text{mml:msub} > < \text{mml:math} > ?$. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 2 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5040 | Microscopic nuclear equation of state at finite temperature and stellar stability. <i>Physical Review C</i> , 2022, 106, . | 1.1 | 4 |
| 5041 | Pre-main sequence evolution of low-mass stars in Eddington-inspired Born-Infeld gravity. <i>European Physical Journal C</i> , 2022, 82, . | 1.4 | 7 |
| 5042 | Abundances of disk and bulge giants from high-resolution optical spectra. <i>Astronomy and Astrophysics</i> , 2022, 666, A125. | 2.1 | 2 |
| 5043 | Modified gravitational wave propagation with higher modes and its degeneracies with lensing. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 016. | 1.9 | 4 |
| 5044 | Nearly model-independent constraints on dense matter equation of state in a Bayesian approach. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 12 |
| 5045 | Ghost instability in the teleparallel gravity model with parity violations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022, 834, 137395. | 1.5 | 11 |
| 5046 | Cryogenic optical shadow sensors for gravitational wave detectors. <i>Cryogenics</i> , 2022, 126, 103547. | 0.9 | 1 |
| 5047 | Reconstruction of multiple Compton scattering events in MeV gamma-ray Compton telescopes towards GRAMS: The physics-based probabilistic model. <i>Astroparticle Physics</i> , 2023, 144, 102765. | 1.9 | 3 |
| 5048 | Constraints on an ultralight scalar boson from Advanced LIGO and Advanced Virgo's first three observing runs using the stochastic gravitational-wave background. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 9 |
| 5049 | Neutron Star Binary Mergers: The Legacy of GW170817 and Future Prospects. <i>Universe</i> , 2022, 8, 459. | 0.9 | 1 |
| 5050 | Conformally coupled theories and their deformed compact objects: From black holes, radiating spacetimes to eternal wormholes. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 9 |
| 5051 | Gravitational wave birefringence in spatially curved teleparallel cosmology. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022, 834, 137437. | 1.5 | 11 |
| 5052 | Electron non-linear light yield of LaBr ₃ detector aboard GECAM. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2022, 1042, 167427. | 0.7 | 3 |
| 5053 | Gravitational Waves from Coalescing Binaries. <i>Synthesis Lectures on Wave Phenomena in the Physical Sciences</i> , 2020, , 7-36. | 0.0 | 0 |
| 5054 | Space Detectors of GW. <i>Lecture Notes in Physics</i> , 2022, , 281-315. | 0.3 | 1 |
| 5055 | Gravitational Waves. <i>Lecture Notes in Physics</i> , 2022, , 147-180. | 0.3 | 0 |
| 5056 | Geometrical Diagnostics for Modified Gravitational Theory with the Different Formalisms. <i>Journal of High Energy Physics Gravitation and Cosmology</i> , 2022, 08, 874-889. | 0.3 | 0 |
| 5057 | Nuclear Data and Experiments for Astrophysics. <i>Lecture Notes in Physics</i> , 2022, , 141-179. | 0.3 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5058 | Development of Aluminum Gallium Arsenide (AlGaAs) as an Optical Coating Material for Interferometric Gravitational Wave Detectors. , 2022, , . | | 0 |
| 5059 | Isospin blocking and its effects in heavy-ion collisions. <i>Physical Review C</i> , 2022, 106, . | 1.1 | 0 |
| 5060 | Search for Gravitational-Neutrino Correlations on Ground-Based Detectors. <i>Universe</i> , 2022, 8, 446. | 0.9 | 0 |
| 5061 | Dark Matter Admixed Neutron Star Properties in the Light of X-Ray Pulse Profile Observations. <i>Astrophysical Journal</i> , 2022, 936, 69. | 1.6 | 17 |
| 5062 | Non-Gaussianity and secondary gravitational waves from primordial black holes production in α -attractor inflation. <i>European Physical Journal C</i> , 2022, 82, . | 1.4 | 13 |
| 5063 | Long-duration Gamma-Ray Burst and Associated Kilonova Emission from Fast-spinning Black Hole–Neutron Star Mergers. <i>Astrophysical Journal Letters</i> , 2022, 936, L10. | 3.0 | 20 |
| 5064 | Numerical implementation of the Cubic Galileon model in <i>pinocchio</i> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 5762-5774. | 1.6 | 2 |
| 5065 | Dynamical dark energy in minimally modified gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 074. | 1.9 | 4 |
| 5066 | Phases of rotating baryonic matter: non-Abelian chiral soliton lattices, antiferro-isospin chains, and ferri/ferromagnetic magnetization. <i>Journal of High Energy Physics</i> , 2022, 2022, . | 1.6 | 12 |
| 5067 | Path Integral Action for a Resonant Detector of Gravitational Waves in the Generalized Uncertainty Principle Framework. <i>Universe</i> , 2022, 8, 450. | 0.9 | 4 |
| 5068 | The Structure of Gamma Ray Burst Jets. <i>Galaxies</i> , 2022, 10, 93. | 1.1 | 11 |
| 5069 | Present and Future of Gravitational Wave Astronomy. <i>Galaxies</i> , 2022, 10, 91. | 1.1 | 1 |
| 5070 | EFT approach to black hole scalarization and its compatibility with cosmic evolution. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 2 |
| 5071 | Gravitational Waves from Strange Star Core–Crust Oscillation. <i>Universe</i> , 2022, 8, 442. | 0.9 | 1 |
| 5072 | Stable black holes: in vacuum and beyond. <i>Bulletin of the American Mathematical Society</i> , 2023, 60, 1-27. | 0.8 | 2 |
| 5073 | On the Nature of the Mass-gap Object in the GW190814 Event. <i>Astrophysical Journal</i> , 2022, 936, 41. | 1.6 | 11 |
| 5074 | GROWTH on S190426c II: GROWTH-India Telescope search for an optical counterpart with a custom image reduction and candidate vetting pipeline. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 4517-4528. | 1.6 | 3 |
| 5075 | Rapid localization of gravitational wave hosts with FIGARO. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2022, 517, L5-L10. | 1.2 | 4 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5076 | Constraining Einstein-dilaton models using joint gravitational-wave and electromagnetic observations. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 0 |
| 5077 | Constraining extra dimensions using observations of black hole quasi-normal modes. <i>European Physical Journal C</i> , 2022, 82, . | 1.4 | 17 |
| 5078 | On the diversity of magnetar-driven kilonovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 4949-4962. | 1.6 | 13 |
| 5079 | Central pressure-dependent compact anisotropic stellar model and its tidal Love number. <i>European Physical Journal Plus</i> , 2022, 137, . | 1.2 | 1 |
| 5080 | Stability of neutron stars in Horndeski theories with Gauss-Bonnet couplings. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 6 |
| 5081 | Shrouded black holes in Einstein-Gauss-Bonnet gravity. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 2 |
| 5082 | Constraints on the Very High Energy Gamma-Ray Emission from Short GRBs with HAWC. <i>Astrophysical Journal</i> , 2022, 936, 126. | 1.6 | 2 |
| 5083 | Strange stars in $f(R)$ gravity palatini formalism and gravitational wave echoes from them. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 057. | 1.9 | 9 |
| 5084 | Gravitational Waves from Accretion-Induced Descalarization in Massive Scalar-Tensor Theory. <i>Physical Review Letters</i> , 2022, 129, . | 2.9 | 6 |
| 5085 | LSTM and CNN application for core-collapse supernova search in gravitational wave real data. <i>Astronomy and Astrophysics</i> , 2023, 669, A42. | 2.1 | 5 |
| 5086 | On phenomenological parametrizations for the luminosity distance of gravitational waves. <i>International Journal of Modern Physics D</i> , 0, , . | 0.9 | 0 |
| 5087 | Cosmological model-independent measurement of cosmic curvature using distance sum rule with the help of gravitational waves. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 5187-5195. | 1.6 | 7 |
| 5088 | Production of primordial black holes via single field inflation and observational constraints. <i>European Physical Journal C</i> , 2022, 82, . | 1.4 | 7 |
| 5089 | Symmetric wormholes in Einstein-vector "Gauss" Bonnet theory. <i>European Physical Journal C</i> , 2022, 82, . | 1.4 | 3 |
| 5090 | Real-time detection of anomalies in large-scale transient surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 517, 393-419. | 1.6 | 5 |
| 5091 | Athena synergies in the multi-messenger and transient universe. <i>Experimental Astronomy</i> , 2022, 54, 23-117. | 1.6 | 15 |
| 5092 | Probing modified gravity with integrated Sachs-Wolfe CMB and galaxy cross-correlations. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 002. | 1.9 | 4 |
| 5093 | MRI turbulence in accretion discs at large magnetic Prandtl numbers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 517, 2309-2330. | 1.6 | 6 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5095 | A dynamically discovered and characterized non-accreting neutron starâ€M dwarf binary candidate. <i>Nature Astronomy</i> , 2022, 6, 1203-1212. | 4.2 | 9 |
| 5096 | Effects of finite sizes of atomic nuclei on shear modulus and torsional oscillations in neutron stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 516, 5440-5445. | 1.6 | 3 |
| 5097 | Study of eccentric binaries in Horndeski gravity. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 8 |
| 5098 | Effect of nucleon effective mass and symmetry energy on the neutrino mean free path in a neutron star. <i>Physical Review C</i> , 2022, 106, . | 1.1 | 8 |
| 5099 | Neutron Star Radii, Deformabilities, and Moments of Inertia from Experimental and Ab Initio Theory Constraints of the 208Pb Neutron Skin Thickness. <i>Galaxies</i> , 2022, 10, 99. | 1.1 | 11 |
| 5100 | Exposing gravitational waves below the quantum sensing limit. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 2 |
| 5101 | Multi-messenger Observations of Binary Neutron Star Mergers in the O4 Run. <i>Astrophysical Journal</i> , 2022, 937, 79. | 1.6 | 31 |
| 5102 | Search for Coincident Gravitational-wave and Fast Radio Burst Events from 4-OGC and the First CHIME/FRB Catalog. <i>Astrophysical Journal</i> , 2022, 937, 89. | 1.6 | 4 |
| 5103 | Neutron stars as extreme laboratories for gravity tests. <i>Science Bulletin</i> , 2022, 67, 1946-1949. | 4.3 | 5 |
| 5104 | On black holes surrounded by a fluid of strings in Rastall gravity. <i>General Relativity and Gravitation</i> , 2022, 54, . | 0.7 | 3 |
| 5105 | Boosting the efficiency of parametric detection with hierarchical neural networks. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 1 |
| 5106 | Quantifying effects of inhomogeneities and curvature on gravitational wave standard siren measurements of H z . <i>Physical Review D</i> , 2022, 106, . | 1.6 | 4 |
| 5107 | Bounds from multimessenger astronomy on the superheavy dark matter. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 0 |
| 5108 | Relativistic Atomic Structure of Au IV and the Os Isoelectronic Sequence: Opacity Data for Kilonova Ejecta. <i>Atoms</i> , 2022, 10, 94. | 0.7 | 4 |
| 5109 | Atmospheric Newtonian noise modeling for third-generation gravitational wave detectors. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 0 |
| 5110 | Searching for dark clumps with gravitational-wave detectors. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 8 |
| 5111 | ETpathfinder: a cryogenic testbed for interferometric gravitational-wave detectors. <i>Classical and Quantum Gravity</i> , 2022, 39, 215008. | 1.5 | 6 |
| 5112 | Electromagnetic emission from axionic boson star collisions. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 8 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5113 | Signatures of regular black holes from the shadow of Sgr A* and M87*. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 066. | 1.9 | 9 |
| 5114 | Gravitational Bremsstrahlung with Tidal Effects in the Post-Minkowskian Expansion. Physical Review Letters, 2022, 129, . | 2.9 | 22 |
| 5115 | $M \langle l \rangle C \langle R \rangle \langle \sigma \rangle$ Mission: Final Results of the Test of the Equivalence Principle. Physical Review Letters, 2022, 129, . | 2.0 | 18 |
| 5116 | Triple high energy nuclear and hadron collisions - a new method to study QCD phase diagram at high baryonic densities. European Physical Journal A, 2022, 58, . | 1.0 | 0 |
| 5117 | Dependence of n equilibrium abundances on nuclear physics properties. Physical Review C, 2022, 106, . | 1.1 | 3 |
| 5118 | Current and future constraints on cosmology and modified gravitational wave friction from binary black holes. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 012. | 1.9 | 17 |
| 5119 | Some Remarks on Non-Singular Spherically Symmetric Space-Times. Astronomy, 2022, 1, 99-125. | 0.6 | 9 |
| 5120 | Actinide opacities for modelling the spectra and light curves of kilonovae. Monthly Notices of the Royal Astronomical Society, 2022, 519, 2862-2878. | 1.6 | 13 |
| 5121 | Waveforms from amplitudes. Physical Review D, 2022, 106, . | 1.6 | 49 |
| 5122 | Intermediate mass-ratio inspirals with dark matter minispikes. Physical Review D, 2022, 106, . | 1.6 | 11 |
| 5123 | Toward a Precision Measurement of Binary Black Holes Formation Channels Using Gravitational Waves and Emission Lines. Astrophysical Journal Letters, 2022, 937, L27. | 3.0 | 3 |
| 5124 | Gravity at the tip of the throat. Journal of High Energy Physics, 2022, 2022, . | 1.6 | 0 |
| 5125 | Inferring the Neutron Star Maximum Mass and Lower Mass Gap in Neutron Star-Black Hole Systems with Spin. Astrophysical Journal, 2022, 937, 73. | 1.6 | 13 |
| 5126 | f -mode imprints on gravitational waves from coalescing binaries involving aligned spinning neutron stars. Physical Review D, 2022, 106, . | 1.6 | 5 |
| 5127 | Polytropic fits of modern and unified equations of state. Physical Review C, 2022, 106, . | 1.1 | 1 |
| 5128 | Spectroscopy of particle couplings with gravitational waves. Physical Review D, 2022, 106, . | 1.6 | 4 |
| 5129 | Measuring the β -decay Properties of Neutron-rich Exotic Pm, Sm, Eu, and Gd Isotopes to Constrain the Nucleosynthesis Yields in the Rare-earth Region. Astrophysical Journal, 2022, 936, 107. | 1.6 | 9 |
| 5130 | Gravitational Wave Sources in Our Galactic Backyard: Predictions for BHBH, BHNS, and NSNS Binaries Detectable with LISA. Astrophysical Journal, 2022, 937, 118. | 1.6 | 16 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5131 | Experimental and numerical investigation of magneto-plasma optical properties toward measurements of opacity relevant for compact binary objects. <i>Frontiers in Astronomy and Space Sciences</i> , 0, 9, . | 1.1 | 5 |
| 5132 | Half-life prediction of some neutron-rich exotic nuclei prior to peak $A = 130$. <i>Physica Scripta</i> , 2022, 97, 115301. | 1.2 | 0 |
| 5133 | Neutron-capture measurement candidates for the r-process in neutron star mergers. <i>Frontiers in Astronomy and Space Sciences</i> , 0, 9, . | 1.1 | 3 |
| 5134 | Inferring binary black holes stellar progenitors with gravitational wave sources. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 517, 3432-3444. | 1.6 | 3 |
| 5135 | Resolving the Peak of the Black Hole Mass Spectrum. <i>Astrophysical Journal</i> , 2022, 937, 112. | 1.6 | 12 |
| 5136 | Can the phase of radiation pressure fluctuations be flipped in a single path for laser interferometric gravitational wave detectors?. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2022, 453, 128485. | 0.9 | 0 |
| 5137 | Tests of gravitational-wave birefringence with the open gravitational-wave catalog. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 22 |
| 5138 | Comparing equivalent gravities: common features and differences. <i>European Physical Journal C</i> , 2022, 82, . | 1.4 | 45 |
| 5139 | Primordial clocks within stochastic gravitational wave anisotropies. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 012. | 1.9 | 8 |
| 5140 | Shadow of topologically charged rotating braneworld black hole. <i>Modern Physics Letters A</i> , 2022, 37, . | 0.5 | 0 |
| 5141 | Polarization and Speed of Gravitational Waves in Hybrid Metric-Palatini $f(R)$ -Gravity. <i>Journal of Experimental and Theoretical Physics</i> , 2022, 135, 333-338. | 0.2 | 1 |
| 5142 | CMB constraints on DHOST theories. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 035. | 1.9 | 6 |
| 5143 | Probing particle acceleration at trans-relativistic shocks with off-axis gamma-ray burst afterglows. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , . | 1.6 | 0 |
| 5144 | Pion Productions with Isospin-Dependent In-Medium Cross Sections. <i>Universe</i> , 2022, 8, 564. | 0.9 | 0 |
| 5145 | First-order phase transition and fate of false vacuum remnants. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 030. | 1.9 | 14 |
| 5146 | Merger and Postmerger of Binary Neutron Stars with a Quark-Hadron Crossover Equation of State. <i>Physical Review Letters</i> , 2022, 129, . | 2.9 | 24 |
| 5147 | Searching for $\hat{\Gamma}^3$ -ray Emission from Binary Black-Hole Mergers Detected in LIGO/Virgo O3 Run. <i>Universe</i> , 2022, 8, 517. | 0.9 | 1 |
| 5148 | Sensitivity of neutron star observations to three-nucleon forces. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 7 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5149 | Revisiting the quasinormal modes of the Schwarzschild black hole: Numerical analysis. <i>European Physical Journal C</i> , 2022, 82, . | 1.4 | 4 |
| 5150 | Production of solar abundances for nuclei beyond Sr: The s- and r-process perspectives. <i>Frontiers in Astronomy and Space Sciences</i> , 0, 9, . | 1.1 | 6 |
| 5151 | Strongly Lensed Transient Sources: A Review. <i>Chinese Physics Letters</i> , 2022, 39, 119801. | 1.3 | 20 |
| 5152 | Testing general relativity using higher-order modes of gravitational waves from binary black holes. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 3 |
| 5153 | Zero-temperature thermodynamics of dense asymmetric strong-interaction matter. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 4 |
| 5154 | Generalized Tolman-Oppenheimer-Volkoff model and neutron stars. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 0 |
| 5155 | Probe for Type Ia Supernova Progenitor in Decihertz Gravitational Wave Astronomy. <i>Astrophysical Journal</i> , 2022, 938, 52. | 1.6 | 4 |
| 5156 | A Possible Solution of the Cosmological Constant Problem Based on GW170817 and Planck Observations with Minimal Length Uncertainty. <i>Advances in High Energy Physics</i> , 2022, 2022, 1-9. | 0.5 | 4 |
| 5157 | Event horizon of a charged black hole binary merger. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 3 |
| 5158 | Gravitational Waves, Event Horizons and Black Hole Observation: A New Frontier in Fundamental Physics. <i>Symmetry</i> , 2022, 14, 2276. | 1.1 | 0 |
| 5159 | Gravitational Faraday Rotation of gravitational waves by a Kerr black hole. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 095. | 1.9 | 7 |
| 5160 | Population properties and multimessenger prospects of neutron star-black hole mergers following GWTC-3. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 518, 5298-5312. | 1.6 | 11 |
| 5161 | A systematic study of super-Eddington layers in the envelopes of massive stars. <i>Astronomy and Astrophysics</i> , 2022, 668, A90. | 2.1 | 4 |
| 5162 | Metric assisted stochastic sampling search for gravitational waves from binary black hole mergers. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 1 |
| 5163 | Imprints of cosmological tensions in reconstructed gravity. <i>Nature Astronomy</i> , 2022, 6, 1484-1490. | 4.2 | 21 |
| 5164 | On the Neutron Star/Black Hole Mass Gap and Black Hole Searches. <i>Research in Astronomy and Astrophysics</i> , 2022, 22, 122002. | 0.7 | 8 |
| 5165 | Burst search method based on likelihood ratio in Poisson statistics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 518, 2005-2014. | 1.6 | 1 |
| 5166 | Constraining the deformation of a rotating black hole mimicker from its shadow. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 11 |

| # | ARTICLE | IF | CITATIONS |
|------|---|------|-----------|
| 5167 | Search for Coincident Gravitational Waves and Long Gamma-Ray Bursts from 4-OGC and the Fermi-GBM/Swift-BAT Catalog. <i>Astrophysical Journal Letters</i> , 2022, 939, L14. | 3.0 | 2 |
| 5168 | Exploring universal characteristics of neutron star matter with relativistic ϵ -equations of state. <i>Physical Review C</i> , 2022, 106, . | 1.1 | 3 |
| 5169 | GW190814: Circumstantial evidence for up-down quark star. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 10 |
| 5170 | The lure of sirens: joint distance and velocity measurements with third-generation detectors. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 517, 5449-5462. | 1.6 | 8 |
| 5171 | Fast Neutrino Cooling in the Accreting Neutron Star MXB 1659-29. <i>Astrophysical Journal</i> , 2022, 938, 119. | 1.6 | 3 |
| 5172 | Rescuing constraints on modified gravity using gravitational redshift in large-scale structure. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 4 |
| 5173 | Observational constraint on axion dark matter with gravitational waves. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 4 |
| 5174 | NLO deflections for spinning particles and Kerr black holes. <i>Journal of High Energy Physics</i> , 2022, . | 1.6 | 16 |
| 5175 | Consequences of neutron decay inside neutron stars. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 028. | 1.9 | 8 |
| 5176 | The high-density equation of state in heavy-ion collisions: constraints from proton flow. <i>European Physical Journal C</i> , 2022, 82, . | 1.4 | 14 |
| 5177 | Dark particle mass effects on neutron star properties from a short-range correlated hadronic model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 517, 4265-4274. | 1.6 | 7 |
| 5178 | Dense and Hot QCD at Strong Coupling. <i>Physical Review X</i> , 2022, 12, . | 2.8 | 16 |
| 5179 | Circularly polarized scalar induced gravitational waves from the Chern-Simons modified gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 054. | 1.9 | 11 |
| 5180 | Optical superluminal motion measurement in the neutron-star merger GW170817. <i>Nature</i> , 2022, 610, 273-276. | 13.7 | 24 |
| 5181 | Outliers in Spectral Time Lag-Selected Gamma Ray Bursts. <i>Universe</i> , 2022, 8, 521. | 0.9 | 0 |
| 5182 | Measurability of neutron star tidal deformability from merging neutron star-black hole binaries. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 0 |
| 5183 | Gravitational-wave inference for eccentric binaries: the argument of periastron. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 517, 3778-3784. | 1.6 | 6 |
| 5184 | Assessment of a new sub-grid model for magnetohydrodynamical turbulence. I. Magnetorotational instability. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 517, 3505-3524. | 1.6 | 4 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5185 | Dependence of the tidal deformability of neutron stars on the nuclear equation of state*. Chinese Physics C, 2023, 47, 014103. | 1.5 | 2 |
| 5186 | Constraining the stochastic gravitational wave background with photometric surveys. Physical Review D, 2022, 106, . | 1.6 | 4 |
| 5187 | Black Hole Hyperaccretion in Collapsars: A Review. Universe, 2022, 8, 529. | 0.9 | 2 |
| 5188 | Neutron star crust can support a large ellipticity. Monthly Notices of the Royal Astronomical Society, 2022, 517, 5610-5616. | 1.6 | 14 |
| 5189 | Active platform stabilization with a 6D seismometer. Applied Physics Letters, 2022, 121, . | 1.5 | 2 |
| 5190 | \tilde{I} -modes of neutron stars in a massless scalar-tensor theory. Frontiers in Astronomy and Space Sciences, 0, 9, . | 1.1 | 1 |
| 5191 | Probing the speed of gravity with LVK, LISA, and joint observations. General Relativity and Gravitation, 2022, 54, . | 0.7 | 5 |
| 5192 | Lanthanide Features in Near-infrared Spectra of Kilonovae. Astrophysical Journal, 2022, 939, 8. | 1.6 | 29 |
| 5193 | Pulse frequency fluctuations of persistent accretion powered pulsars. Monthly Notices of the Royal Astronomical Society, 2022, 518, 1-12. | 1.6 | 3 |
| 5194 | Effects of an isovector scalar meson on the equation of state of dense matter within a relativistic mean field model. Physical Review C, 2022, 106, . | 1.1 | 8 |
| 5195 | Boosting the sensitivity of high-frequency gravitational wave detectors using $P < T >$ -symmetry. Physical Review D, 2022, 106, . | 1.6 | 4 |
| 5196 | Kilonova and Optical Afterglow from Binary Neutron Star Mergers. I. Luminosity Function and Color Evolution. Astrophysical Journal, 2022, 938, 147. | 1.6 | 5 |
| 5197 | A minimal self-tuning model to solve the cosmological constant problem. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 075. | 1.9 | 7 |
| 5198 | Dynamical perturbations around an extreme mass ratio inspiral near resonance. Physical Review D, 2022, 106, . | 1.6 | 1 |
| 5199 | Tossing Black Hole Spin Axes. Astrophysical Journal, 2022, 938, 66. | 1.6 | 11 |
| 5200 | Love symmetry. Journal of High Energy Physics, 2022, 2022, . | 1.6 | 17 |
| 5201 | Maximum mass of anisotropic charged strange quark stars in a higher dimensional approach ($D \neq 4$). Chinese Physics C, 2023, 47, 015107. | 1.5 | 1 |
| 5202 | Probing horizon scale quantum effects with Love. Classical and Quantum Gravity, 2022, 39, 225016. | 1.5 | 5 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5203 | Hunting extra dimensions in the shadow of Sgr A*. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 14 |
| 5204 | Identification of binary neutron star mergers in gravitational-wave data using object-detection machine learning models. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 6 |
| 5205 | Investigating GW190425 with numerical-relativity simulations. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 6 |
| 5206 | Eccentricity of Long Inspiring Compact Binaries Sheds Light on Dark Sirens. <i>Physical Review Letters</i> , 2022, 129, . | 2.9 | 11 |
| 5207 | Determining the Core Structure and Nuclear Equation of State of Rotating Core-collapse Supernovae with Gravitational Waves by Convolutional Neural Networks. <i>Astrophysical Journal</i> , 2022, 939, 13. | 1.6 | 2 |
| 5208 | Neutron stars colliding with binary companions: formation of hypervelocity stars, pulsar planets, bumpy superluminous supernovae and Thorneâ€™s objects. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 517, 4544-4556. | 1.6 | 7 |
| 5209 | Constraints on the contributions to the observed binary black hole population from individual evolutionary pathways in isolated binary evolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 517, 4034-4053. | 1.6 | 8 |
| 5210 | Slow evolution of the metric perturbation due to a quasicircular inspiral into a Schwarzschild black hole. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 5 |
| 5211 | Handing off the outcome of binary neutron star mergers for accurate and long-term postmerger simulations. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 5 |
| 5212 | GW170817 4.5 Yr After Merger: Dynamical Ejecta Afterglow Constraints. <i>Astrophysical Journal</i> , 2022, 938, 12. | 1.6 | 11 |
| 5213 | Where is the ringdown: Reconstructing quasinormal modes from dispersive waves. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 3 |
| 5214 | Gravitational Wavesâ€™ A New Window on the Universe. <i>Frontiers for Young Minds</i> , 0, 10, . | 0.8 | 0 |
| 5215 | Tidal Deformability of Neutron Stars in Unimodular Gravity. <i>Universe</i> , 2022, 8, 576. | 0.9 | 3 |
| 5216 | Bulk strong matter: the trinity. <i>Advances in Physics: X</i> , 2023, 8, . | 1.5 | 6 |
| 5217 | Pseudo-Relativistic Hartreeâ€™Fock and Fully Relativistic Diracâ€™Hartreeâ€™Fock Calculations of Radiative Parameters in the Fifth Spectrum of Lutetium (Lu V). <i>Atoms</i> , 2022, 10, 130. | 0.7 | 0 |
| 5218 | Experimental system to detect the electromagnetic response of high-frequency gravitational waves. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 2 |
| 5219 | Modeling Neutron Star Matter in the Age of Multimessenger Astrophysics. <i>Astrophysical Journal</i> , 2022, 939, 52. | 1.6 | 2 |
| 5220 | Searches for Ultra-High-Energy Photons at the Pierre Auger Observatory. <i>Universe</i> , 2022, 8, 579. | 0.9 | 8 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5221 | Opacity calculations in four to nine times ionized Pr, Nd, and Pm atoms for the spectral analysis of kilonovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 518, 332-352. | 1.6 | 7 |
| 5222 | Gamma-Ray Bursts. , 2022, , 1-34. | | 2 |
| 5223 | Future prospects of spectroscopic study of Lambda hypernuclei at JLab and J-PARC HIHR. <i>EPJ Web of Conferences</i> , 2022, 271, 11003. | 0.1 | 2 |
| 5224 | Publisher's Note:. <i>Astroparticle Physics</i> , 2023, 147, 102794. | 1.9 | 14 |
| 5225 | Reclassifying Swift Gamma-Ray Bursts with Diverse Duration Distributions. <i>Astrophysical Journal</i> , 2022, 940, 5. | 1.6 | 5 |
| 5226 | Searches for Neutrinos from Gamma-Ray Bursts Using the IceCube Neutrino Observatory. <i>Astrophysical Journal</i> , 2022, 939, 116. | 1.6 | 18 |
| 5227 | Probing anisotropies of the Stochastic Gravitational Wave Background with LISA. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 009. | 1.9 | 41 |
| 5228 | Quark formation and phenomenology in binary neutron-star mergers using V-QCD. <i>SciPost Physics</i> , 2022, 13, . | 1.5 | 12 |
| 5229 | Hyperonization in Compact Stars. , 2022, , 153-199. | | 0 |
| 5230 | Resolving Galactic binaries using a network of space-borne gravitational wave detectors. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 9 |
| 5231 | Alpha decay of thermally excited nuclei. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2023, 50, 015203. | 1.4 | 4 |
| 5232 | MUPHOTEN: A MULTI-band PHOTometry Tool for TELESCOPE Network. <i>Publications of the Astronomical Society of the Pacific</i> , 2022, 134, 114504. | 1.0 | 2 |
| 5233 | Origin of highly r -process-enhanced stars in a cosmological zoom-in simulation of a Milky Way-like galaxy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 517, 4856-4874. | 1.6 | 15 |
| 5234 | Neutron star mass formula with nuclear saturation parameters for asymmetric nuclear matter. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 9 |
| 5235 | Simulation and accuracy analysis of orbit determination for TianQin using SLR data. <i>Classical and Quantum Gravity</i> , 2022, 39, 245016. | 1.5 | 3 |
| 5236 | Dark-siren cosmology with Decihertz gravitational-wave detectors. <i>Physics of the Dark Universe</i> , 2022, 38, 101136. | 1.8 | 5 |
| 5237 | Subtracting glitches from gravitational-wave detector data during the third LIGO-Virgo observing run. <i>Classical and Quantum Gravity</i> , 2022, 39, 245013. | 1.5 | 22 |
| 5238 | Relativistic mean-field theories for neutron-star physics based on chiral effective field theory. <i>Physical Review C</i> , 2022, 106, . | 1.1 | 11 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5239 | Toward establishing the presence or absence of horizons in coalescing binaries of compact objects by using their gravitational wave signals. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 2 |
| 5240 | Exploring the small mass limit of stationary black holes in theories with Gauss–Bonnet terms. <i>Classical and Quantum Gravity</i> , 2022, 39, 235015. | 1.5 | 7 |
| 5241 | Symmetry energy of strange quark matter and tidal deformability of strange quark stars. <i>Nuclear Science and Techniques/Hewuli</i> , 2022, 33, . | 1.3 | 7 |
| 5242 | Signatures of r-process Enrichment in Supernovae from Collapsars. <i>Astrophysical Journal Letters</i> , 2022, 939, L29. | 3.0 | 12 |
| 5243 | $\frac{1}{C} \sim \frac{1}{\text{Love}} \sim \frac{1}{C}$ relation for an anisotropic neutron star. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 12 |
| 5244 | On the role of magnetars-like magnetic fields into the dynamics and gravitational wave emission of binary neutron stars. <i>General Relativity and Gravitation</i> , 2022, 54, . | 0.7 | 1 |
| 5245 | Follow-up analyses of the binary-neutron-star signals GW170817 and GW190425 by using post-Newtonian waveform models. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 2 |
| 5246 | Quantum corrections to the quasinormal modes of the Schwarzschild black hole. <i>General Relativity and Gravitation</i> , 2022, 54, . | 0.7 | 4 |
| 5247 | Redshift effects in particle production from Kerr primordial black holes. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 21 |
| 5248 | Observational limits on the rate of radiation-driven binary black hole capture events. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 6 |
| 5249 | Novel neutron decay mode inside neutron stars. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2023, 50, 015202. | 1.4 | 5 |
| 5250 | Gravitation field perturbation quasinormal modes of a black hole in F(R) gravity. <i>European Physical Journal Plus</i> , 2022, 137, . | 1.2 | 1 |
| 5251 | Impact of Rastall Gravity on Mass, Radius, and Sound Speed of the Pulsar PSR J0740+6620. <i>Astrophysical Journal</i> , 2022, 940, 51. | 1.6 | 10 |
| 5252 | Heavy Elements and Electromagnetic Transients from Neutron Star Mergers. <i>Annalen Der Physik</i> , 2024, 536, . | 0.9 | 8 |
| 5253 | Ein wenig Philosophie, oder was hat ein Rasiermesser mit Kugelblitzen zu tun?. , 2022, , 25-34. | | 0 |
| 5254 | Gravity from the determinant of the energy-momentum: Astrophysical implications. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2023, 836, 137626. | 1.5 | 0 |
| 5255 | LIGO and Virgo detector characterization and data quality: Contributions to the O3 run and preparation for O4. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2023, 1048, 167945. | 0.7 | 0 |
| 5256 | Ultra-fast infrared detector for astronomy. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2023, 1048, 167936. | 0.7 | 1 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5257 | Neutron Star Mergers and the Quark Matter Equation of State. EPJ Web of Conferences, 2022, 274, 01013. | 0.1 | 0 |
| 5258 | Finite-temperature equation of state with hyperons. EPJ Web of Conferences, 2022, 274, 07004. | 0.1 | 1 |
| 5259 | X- and Gamma-Ray Astrophysics in the Era of Multi-messenger Astronomy. , 2022, , 1-31. | | 2 |
| 5260 | Hybrid stars with large strange quark cores. EPJ Web of Conferences, 2022, 274, 07001. | 0.1 | 0 |
| 5261 | How does dark matter affect compact star properties and high density constraints of strongly interacting matter. EPJ Web of Conferences, 2022, 274, 07009. | 0.1 | 4 |
| 5262 | Gravitational wave signatures of phase transition from hadronic to quark matter in isolated neutron stars and binaries. EPJ Web of Conferences, 2022, 274, 07002. | 0.1 | 1 |
| 5263 | Challenges for the Statistical Gravitational-Wave Method to Measure the Hubble Constant. SSRN Electronic Journal, 0, , . | 0.4 | 0 |
| 5264 | Compact star coupled with dark energy in the background of Tolman-Kuchowicz spacetime. Modern Physics Letters A, 2022, 37, . | 0.5 | 7 |
| 5265 | Moment of inertia of slowly rotating anisotropic neutron stars in $f(R,T)$ gravity. Modern Physics Letters A, 2022, 37, . | 0.5 | 6 |
| 5266 | Quasinormal modes and thermodynamic properties of GUP-corrected Schwarzschild black hole surrounded by quintessence. International Journal of Modern Physics A, 2022, 37, . | 0.5 | 7 |
| 5267 | The gamma-ray bursts fundamental plane correlation as a cosmological tool. Monthly Notices of the Royal Astronomical Society, 2022, 518, 2201-2240. | 1.6 | 21 |
| 5268 | Addressing the challenges of detecting time-overlapping compact binary coalescences. Physical Review D, 2022, 106, . | 1.6 | 5 |
| 5269 | Arm locking in conjunction with time-delay interferometry. Physical Review D, 2022, 106, . | 1.6 | 0 |
| 5270 | Pulsar and cosmic variances of pulsar timing-array correlation measurements of the stochastic gravitational wave background. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 046. | 1.9 | 9 |
| 5271 | BTZ Black-Bounce to Traversable Wormhole. Universe, 2022, 8, 625. | 0.9 | 4 |
| 5272 | Gravitational wave stochastic background in reduced Horndeski theories. Physical Review D, 2022, 106, . | 1.6 | 3 |
| 5273 | Gravitational wave memory in wormhole spacetimes. Physical Review D, 2022, 106, . | 1.6 | 0 |
| 5274 | The Virgo O3 run and the impact of the environment. Classical and Quantum Gravity, 2022, 39, 235009. | 1.5 | 13 |

| # | ARTICLE | IF | CITATIONS |
|------|---|------|-----------|
| 5275 | Adding gamma-ray polarimetry to the multi-messenger era. Prospects of joint gravitational-wave and gamma-ray polarimetry studies. <i>Astronomy and Astrophysics</i> , 0, , . | 2.1 | 0 |
| 5276 | Short GRB Host Galaxies. II. A Legacy Sample of Redshifts, Stellar Population Properties, and Implications for Their Neutron Star Merger Origins. <i>Astrophysical Journal</i> , 2022, 940, 57. | 1.6 | 28 |
| 5277 | Holographic cold dense matter constrained by neutron stars. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 3 |
| 5278 | Observational Inference on the Delay Time Distribution of Short Gamma-Ray Bursts. <i>Astrophysical Journal Letters</i> , 2022, 940, L18. | 3.0 | 13 |
| 5279 | Accelerating gravitational-wave parametrized tests of general relativity using a multiband decomposition of likelihood. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 0 |
| 5280 | Continuous Gravitational Wave Emissions from Neutron Stars with Pinned Superfluids in the Core. <i>Universe</i> , 2022, 8, 619. | 0.9 | 5 |
| 5281 | Some cosmological features of 4D Gauss-Bonnet gravity with varying cosmological constant. <i>International Journal of Geometric Methods in Modern Physics</i> , 2023, 20, . | 0.8 | 1 |
| 5282 | Short GRB Host Galaxies. I. Photometric and Spectroscopic Catalogs, Host Associations, and Galactocentric Offsets. <i>Astrophysical Journal</i> , 2022, 940, 56. | 1.6 | 34 |
| 5283 | Interacting Kilonovae: Long-lasting Electromagnetic Counterparts to Binary Mergers in the Accretion Disks of Active Galactic Nuclei. <i>Astrophysical Journal Letters</i> , 2022, 940, L44. | 3.0 | 4 |
| 5284 | Evolution of equal mass binary bare quark stars in full general relativity: Could a supramassive merger remnant experience prompt collapse?. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 1 |
| 5285 | Generalized disformal Horndeski theories: Cosmological perturbations and consistent matter coupling. <i>Progress of Theoretical and Experimental Physics</i> , 2023, 2023, . | 1.8 | 14 |
| 5286 | Horizons: nuclear astrophysics in the 2020s and beyond. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2022, 49, 110502. | 1.4 | 16 |
| 5287 | Strange stars confronting with the observations: Non-Newtonian gravity effects, or the existence of dark matter core. <i>Astronomische Nachrichten</i> , 2023, 344, . | 0.6 | 1 |
| 5288 | Binary neutron star mergers as a probe of quark-hadron crossover equations of state. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 9 |
| 5289 | Editorial note to: Electromagnetically coupled broadband gravitational antenna by Rainer Weiss. <i>General Relativity and Gravitation</i> , 2022, 54, . | 0.7 | 0 |
| 5290 | Gravitational waves from the propagation of long gamma-ray burst jets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 518, 5242-5252. | 1.6 | 4 |
| 5291 | Extragalactic neutrino-emission induced by supermassive and stellar mass black hole mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 518, 6158-6182. | 1.6 | 5 |
| 5292 | A very luminous jet from the disruption of a star by a massive black hole. <i>Nature</i> , 2022, 612, 430-434. | 13.7 | 23 |

| # | ARTICLE | IF | CITATIONS |
|------|---|------|-----------|
| 5293 | Neutrinos and Heavy Element Nucleosynthesis. , 2023, , 1-19. | | 0 |
| 5294 | Harvesting BAT-GUANO with NITRATES (Non-Imaging Transient Reconstruction and Temporal Search): Detecting and Localizing the Faintest Gamma-Ray Bursts with a Likelihood Framework. <i>Astrophysical Journal</i> , 2022, 941, 169. | 1.6 | 2 |
| 5295 | A kilonova following a long-duration gamma-ray burst at 350 Mpc. <i>Nature</i> , 2022, 612, 223-227. | 13.7 | 101 |
| 5296 | High accuracy post-Newtonian and numerical relativity comparisons involving higher modes for eccentric binary black holes and a dominant mode eccentric inspiral-merger-ringdown model. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 9 |
| 5297 | Millisecond Pulsars in Dense Star Clusters: Evolution, Scaling Relations, and the Galactic-center Gamma-Ray Excess. <i>Astrophysical Journal</i> , 2022, 940, 162. | 1.6 | 3 |
| 5298 | Systematic errors due to quasiuniversal relations in binary neutron stars and their correction for unbiased model selection. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 3 |
| 5299 | Beyond the linear tide: impact of the non-linear tidal response of neutron stars on gravitational waveforms from binary inspirals. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 519, 4325-4343. | 1.6 | 5 |
| 5300 | Comparing Fisher Information and Bayesian Statistical Approaches on Measuring the Hubble Constant from Binary Black Hole Merger Gravitational Wave Signals. <i>International Journal of Modern Physics D</i> , 0, , . | 0.9 | 0 |
| 5301 | High-precision Nuclear Chronometer for the Cosmos. <i>Astrophysical Journal</i> , 2022, 941, 152. | 1.6 | 3 |
| 5302 | $\hat{\Gamma}^3$ rays run on time, and propagate tailgating gravitational waves. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 004. | 1.9 | 0 |
| 5303 | The Merger Rate of Primordial Black Hole–Neutron Star Binaries in Ellipsoidal-collapse Dark Matter Halo Models. <i>Astrophysical Journal</i> , 2022, 941, 36. | 1.6 | 4 |
| 5304 | Nonoscillatory gravitational quasinormal modes and telling tails for Schwarzschild–de Sitter black holes. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 11 |
| 5305 | Pulsar revival in neutron star mergers: multimessenger prospects for the discovery of pre-merger coherent radio emission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 519, 3923-3946. | 1.6 | 7 |
| 5306 | Effects of Vertical Advection on Multimessenger Signatures of Black Hole Neutrino-dominated Accretion Flows in Compact Binary Coalescences. <i>Astrophysical Journal</i> , 2022, 941, 156. | 1.6 | 0 |
| 5307 | I-Love-Q relations in Hořava-Lifshitz gravity. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 2 |
| 5308 | Modeling Gamma-Ray Burst Afterglow Observations with an Off-axis Jet Emission. <i>Astrophysical Journal</i> , 2022, 940, 189. | 1.6 | 6 |
| 5309 | Scattering of gravitational waves off spinning compact objects with an effective worldline theory. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 15 |
| 5310 | On the detection of the electromagnetic counterparts from lensed gravitational wave events by binary neutron star mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 518, 6183-6198. | 1.6 | 7 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5311 | The case for a minute-long merger-driven gamma-ray burst from fast-cooling synchrotron emission. <i>Nature Astronomy</i> , 2023, 7, 67-79. | 4.2 | 33 |
| 5312 | Origin of the elements. <i>Astronomy and Astrophysics Review</i> , 2023, 31, . | 9.1 | 22 |
| 5313 | Solving the H_0 tension in $f(T)$ gravity through Bayesian machine learning. <i>European Physical Journal C</i> , 2022, 82, . | 1.4 | 8 |
| 5314 | Quark stars with $2.6 M_{\odot}$ in a non-minimal geometry-matter coupling theory of gravity. <i>European Physical Journal C</i> , 2022, 82, . | 1.4 | 15 |
| 5315 | Nanohertz gravitational wave astronomy during SKA era: An InPTA perspective. <i>Journal of Astrophysics and Astronomy</i> , 2022, 43, . | 0.4 | 8 |
| 5316 | Fractions of Compact Object Binaries in Star Clusters: Theoretical Predictions. <i>Research in Astronomy and Astrophysics</i> , 2023, 23, 025019. | 0.7 | 1 |
| 5317 | Measurement of the Central Galactic Black Hole by Extremely Large Mass-Ratio Inspirals. <i>Symmetry</i> , 2022, 14, 2558. | 1.1 | 0 |
| 5318 | Detecting dense-matter phase transition signatures in neutron star mass-radius measurements as data anomalies using normalizing flows. <i>Physical Review C</i> , 2022, 106, . | 1.1 | 3 |
| 5319 | Impacts of the $U_{\text{msb}}^{\text{row}}$ anomaly on nuclear and neutron star equation of state based on a parity doublet model. <i>Physical Review C</i> , 2022, 106, . | 1.1 | 3 |
| 5320 | Universal relations for rotating boson stars. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 3 |
| 5321 | Unveiling the Universe with emerging cosmological probes. <i>Living Reviews in Relativity</i> , 2022, 25, . | 8.2 | 64 |
| 5322 | Echoes from braneworld wormholes. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 5 |
| 5323 | Quadratic Theory of Gravity with a Scalar Field and Type I Shapovalov Wave Spacetimes. <i>Universe</i> , 2022, 8, 664. | 0.9 | 1 |
| 5324 | Discovery of One Neutron Star Candidate from Radial-velocity Monitoring. <i>Astrophysical Journal</i> , 2022, 940, 165. | 1.6 | 8 |
| 5325 | Fundamental-mode eigenfrequencies of neutral and charged twin neutron stars. <i>European Physical Journal C</i> , 2022, 82, . | 1.4 | 1 |
| 5326 | Constraining parameters of low mass merging compact binary systems with Einstein Telescope alone. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 1 |
| 5327 | Deep learning model based on a bidirectional gated recurrent unit for the detection of gravitational wave signals. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 1 |
| 5328 | Optical simulation of various phenomena in curved space on photonic chips. <i>Advances in Physics: X</i> , 2023, 8, . | 1.5 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|---|------|-----------|
| 5329 | Impacts of modified Chaplygin gas on super-massive neutron stars embedded in quintessence field with $f(T)$ gravity. International Journal of Modern Physics D, 2023, 32, . | 0.9 | 1 |
| 5330 | The new discontinuous Galerkin methods based numerical relativity program Nmesh. Classical and Quantum Gravity, 2023, 40, 025004. | 1.5 | 3 |
| 5331 | Wakefield Acceleration in the Universe. International Journal of Modern Physics D, 0, , . | 0.9 | 0 |
| 5332 | Universal relations for neutron star f and g -mode oscillations. Physical Review D, 2022, 106, . | 1.6 | 15 |
| 5333 | Using Gravitational Waves to Distinguish between Neutron Stars and Black Holes in Compact Binary Mergers. Astrophysical Journal, 2022, 941, 98. | 1.6 | 3 |
| 5334 | Spin Optics for Gravitational Waves. Astronomy, 2022, 1, 271-287. | 0.6 | 1 |
| 5335 | Gigaelectronvolt emission from a compact binary merger. Nature, 2022, 612, 236-239. | 13.7 | 32 |
| 5336 | Gravitational Faraday effect from on-shell amplitudes. Journal of High Energy Physics, 2022, 2022, . | 1.6 | 13 |
| 5337 | Building post-Newtonian neutron stars. Classical and Quantum Gravity, 2023, 40, 025016. | 1.5 | 2 |
| 5338 | Snapshot on-axis Fizeau polarization phase-shifting interferometer. , 2022, , . | | 1 |
| 5339 | Outliers in the $E_{p,z}$ vs E_{iso}^3 relation of Fermi-GBM long-duration gamma-ray bursts. Monthly Notices of the Royal Astronomical Society, 2022, 518, 6243-6252. | 1.6 | 0 |
| 5340 | Impact of the wavelike nature of Proca stars on their gravitational-wave emission. Physical Review D, 2022, 106, . | 1.6 | 14 |
| 5341 | Parameter distributions of binary black hole mergers near supermassive black holes as seen by advanced gravitational wave detectors. Monthly Notices of the Royal Astronomical Society, 2022, 519, 1856-1871. | 1.6 | 2 |
| 5342 | Gravitational wave radiation from newborn accreting magnetars. Research in Astronomy and Astrophysics, 0, , . | 0.7 | 1 |
| 5343 | Testing Lorentz invariance of gravity in the Standard-Model Extension with GWTC-3. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 011. | 1.9 | 11 |
| 5344 | Study of nonstrange quark stars within a modified NJL model. Physical Review D, 2022, 106, . | 1.6 | 4 |
| 5345 | Wave effect of gravitational waves intersected with a microlens field: A new algorithm and supplementary study. Science China: Physics, Mechanics and Astronomy, 2023, 66, . | 2.0 | 0 |
| 5346 | A single-atom mechano-optical transducer for sensing sub-attonewton vector DC force. Applied Physics Letters, 2022, 121, 254002. | 1.5 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|--|------|-----------|
| 5347 | Spherically symmetric Buchdahl-type model via extended gravitational decoupling. <i>Pramana - Journal of Physics</i> , 2023, 97, . | 0.6 | 5 |
| 5348 | Type I Shapovalov Wave Spacetimes in the Brans-Dicke Scalar-Tensor Theory of Gravity. <i>Symmetry</i> , 2022, 14, 2636. | 1.1 | 1 |
| 5349 | Black String Bounce to Traversable Wormhole. <i>Symmetry</i> , 2023, 15, 150. | 1.1 | 4 |
| 5350 | Nuclear fission properties of super heavy nuclei described within the four-dimensional Langevin model. <i>Frontiers in Physics</i> , 0, 11, . | 1.0 | 0 |
| 5351 | Debiasing standard siren inference of the Hubble constant with marginal neural ratio estimation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 520, 1-13. | 1.6 | 3 |
| 5352 | Dynamics of a relativistic jet through magnetized media. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 519, 4454-4460. | 1.6 | 2 |
| 5353 | Prospects for the Observation of Continuous Gravitational Waves from Spinning Neutron Stars Lensed by the Galactic Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2023, 942, L31. | 3.0 | 3 |
| 5354 | Study on electro-optic noise in crystalline coatings toward future gravitational wave detectors. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 2 |
| 5355 | Experimental study of isospin transport with Ca^{40} and Ca^{48} . | 1.1 | 4 |
| 5356 | R-Process Nucleosynthesis in Neutron Star Merger Ejecta and Nuclear Dependences. , 2023, , 1-26. | | 0 |
| 5357 | Cocoon breakout and escape from the ejecta of neutron star mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 520, 1111-1127. | 1.6 | 7 |
| 5358 | Convolutional neural network to distinguish glitches from minute-long gravitational wave transients. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 2 |
| 5359 | Generating transient noise artefacts in gravitational-wave detector data with generative adversarial networks. <i>Classical and Quantum Gravity</i> , 2023, 40, 035006. | 1.5 | 5 |
| 5360 | Constraints on Nuclear Symmetry Energy Parameters. <i>Particles</i> , 2023, 6, 30-56. | 0.5 | 26 |
| 5361 | Impact of updated multipole Love numbers and f -Love universal relations in the context of binary neutron stars. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 7 |
| 5362 | Colliding neutron stars ring in a clue to puzzle of extreme matter. <i>Nature</i> , 2023, 613, 245-246. | 13.7 | 0 |
| 5363 | Sensors and actuators for the advanced LIGO A+ upgrade. <i>Review of Scientific Instruments</i> , 2023, 94, . | 0.6 | 4 |
| 5364 | Quantum corrections to pair production of charged black holes in de Sitter space. <i>Journal of Cosmology and Astroparticle Physics</i> , 2023, 2023, 007. | 1.9 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5365 | Nucleonic metamodeling in light of multimessenger, PREX-II, and CREX data. <i>Physical Review C</i> , 2023, 107, . | 1.1 | 11 |
| 5366 | Discovering gravitationally lensed gravitational waves: predicted rates, candidate selection, and localization with the Vera Rubin Observatory. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 520, 702-721. | 1.6 | 8 |
| 5367 | Direct observation of the thermal noise spectrum of a silicon flexure membrane. <i>Applied Physics Letters</i> , 2023, 122, 022202. | 1.5 | 1 |
| 5368 | Kilonovae and Optical Afterglows from Binary Neutron Star Mergers. II. Optimal Search Strategy for Serendipitous Observations and Target-of-opportunity Observations of Gravitational Wave Triggers. <i>Astrophysical Journal</i> , 2023, 942, 88. | 1.6 | 8 |
| 5369 | Rotating hairy black holes and thermodynamics from gravitational decoupling. <i>Physics of the Dark Universe</i> , 2023, 39, 101172. | 1.8 | 15 |
| 5370 | Relativistic approach for the determination of nuclear and neutron star properties in consideration of PREX-II results. <i>Physical Review C</i> , 2023, 107, . | 1.1 | 4 |
| 5371 | Exploring supernova gravitational waves with machine learning. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 520, 2473-2483. | 1.6 | 3 |
| 5372 | The Gravitational Wave Universe Toolbox. <i>Astronomy and Astrophysics</i> , 2023, 672, A74. | 2.1 | 2 |
| 5373 | Standard Cooling of Rapidly Rotating Isolated Neutron Stars in 2D. <i>Astrophysical Journal</i> , 2023, 942, 72. | 1.6 | 2 |
| 5374 | Comprehensive Study of Mass Ejection and Nucleosynthesis in Binary Neutron Star Mergers Leaving Short-lived Massive Neutron Stars. <i>Astrophysical Journal</i> , 2023, 942, 39. | 1.6 | 28 |
| 5375 | Twin stars as probes of the nuclear equation of state: Effects of rotation through the PSR J0952-0607 pulsar and constraints via the tidal deformability from the GW170817 event. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 11 |
| 5376 | A novel Lagrangian formulation to construct relativistic rotating stars: Towards its application to their evolution calculations. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , . | 1.6 | 0 |
| 5377 | Astrophysical Implications on Hyperon Couplings and Hyperon Star Properties with Relativistic Equations of States. <i>Astrophysical Journal</i> , 2023, 942, 55. | 1.6 | 9 |
| 5378 | Compact star with coupled dark energy in Karmarkar connected relativistic space-time. <i>Physics of the Dark Universe</i> , 2023, 39, 101166. | 1.8 | 8 |
| 5379 | Impact on Science and Technology. , 2023, , 401-464. | | 1 |
| 5380 | Nucleosynthesis in Jet-Driven and Jet-Associated Supernovae. , 2023, , 1-38. | | 0 |
| 5381 | Constraining mass, radius, and tidal deformability of compact stars with axial wl modes: new universal relations including slow stable hybrid stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 519, 3194-3200. | 1.6 | 4 |
| 5382 | Low-Energy Transfer Design of Heliocentric Formation Using Lunar Swingby on the Example of LISA. <i>Aerospace</i> , 2023, 10, 18. | 1.1 | 2 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5383 | Resonant production of light sterile neutrinos in compact binary merger remnants. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 2 |
| 5384 | Forecasting the Detection Capabilities of Third-generation Gravitational-wave Detectors Using GWFAST. <i>Astrophysical Journal</i> , 2022, 941, 208. | 1.6 | 33 |
| 5385 | Implementation of advanced Riemann solvers in a neutrino-radiation magnetohydrodynamics code in numerical relativity and its application to a binary neutron star merger. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 7 |
| 5386 | Simultaneous inference of neutron star equation of state and the Hubble constant with a population of merging neutron stars. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 12 |
| 5387 | Forecasting constraints on deviations from general relativity in $f(Q)$ gravity with standard sirens. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 15 |
| 5388 | Particles Dynamics in Schwarzschild like Black Hole with Time Contracting Horizon. <i>Axioms</i> , 2023, 12, 34. | 0.9 | 1 |
| 5389 | From inflation to black hole mergers and back again: Gravitational-wave data-driven constraints on inflationary scenarios with a first-principle model of primordial black holes across the QCD epoch. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 40 |
| 5390 | Quantum skyrmion crystals and the symmetry energy of dense matter. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 8 |
| 5391 | Tidal Love numbers of novel and admixed celestial objects. <i>Physical Review D</i> , 2022, 106, . | 1.6 | 17 |
| 5392 | Long-term simulations of dynamical ejecta: Homologous expansion and kilonova properties. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 9 |
| 5393 | Quantum Optical Tests of the Foundations of Physics. <i>Springer Handbooks</i> , 2023, , 1231-1257. | 0.3 | 0 |
| 5394 | The Impact of GRBs on Exoplanetary Habitability. <i>Universe</i> , 2023, 9, 60. | 0.9 | 1 |
| 5395 | Black hole merger simulations in wave dark matter environments. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 11 |
| 5396 | A Standard Siren Measurement of the Hubble Constant Using Gravitational-wave Events from the First Three LIGO/Virgo Observing Runs and the DESI Legacy Survey. <i>Astrophysical Journal</i> , 2023, 943, 56. | 1.6 | 23 |
| 5397 | Bayesian analysis of the stochastic gravitational-wave background with alternative polarizations for space-borne detectors. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 0 |
| 5398 | The R-Process Alliance: Chemodynamically Tagged Groups. II. An Extended Sample of Halo r-process-enhanced Stars. <i>Astrophysical Journal</i> , 2023, 943, 23. | 1.6 | 5 |
| 5399 | Monte-Carlo-based relativistic radiation hydrodynamics code with a higher-order scheme. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 6 |
| 5400 | Trends of Neutron Skins and Radii of Mirror Nuclei from First Principles. <i>Physical Review Letters</i> , 2023, 130, . | 2.9 | 9 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5401 | Primordial gravity waves in a rainbow background. <i>General Relativity and Gravitation</i> , 2023, 55, . | 0.7 | 2 |
| 5402 | Ultracompact hybrid stars consistent with multimessenger astrophysics. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 8 |
| 5403 | Some remarks on relativistic fluids of divergence type. <i>Classical and Quantum Gravity</i> , 2023, 40, 087002. | 1.5 | 1 |
| 5404 | Modelling populations of kilonovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 520, 2829-2842. | 1.6 | 6 |
| 5405 | Reverse phase transitions in binary neutron-star systems with exotic-matter cores. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 5 |
| 5406 | From the slow to the rapid neutron capture process. <i>European Physical Journal A</i> , 2023, 59, . | 1.0 | 2 |
| 5407 | Causal modifications of gravity and their observational bounds. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 2 |
| 5408 | Study on the detectability of gravitational radiation from single-binary encounters between black holes in nuclear star clusters: The case of hyperbolic flybys. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 3 |
| 5409 | GRB 080503: A Very Early Blue Kilonova and an Adjacent Nonthermal Radiation Component. <i>Astrophysical Journal</i> , 2023, 943, 104. | 1.6 | 0 |
| 5410 | MeV neutrino flash from neutron star mergers via r -process nucleosynthesis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 520, 2806-2812. | 1.6 | 3 |
| 5411 | Magnetic-field Induced Deformation in Hybrid Stars. <i>Astrophysical Journal</i> , 2023, 943, 52. | 1.6 | 5 |
| 5412 | Optimizing the placement of numerical relativity simulations using a mismatch predicting neural network. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 0 |
| 5413 | Modified Gravity Approaches to the Cosmological Constant Problem. <i>Universe</i> , 2023, 9, 63. | 0.9 | 2 |
| 5414 | Constraints on primordial curvature spectrum from primordial black holes and scalar-induced gravitational waves. <i>European Physical Journal C</i> , 2023, 83, . | 1.4 | 19 |
| 5415 | Astro-COLIBRI – An Advanced Platform for Real-Time Multi-Messenger Discoveries. <i>Galaxies</i> , 2023, 11, 22. | 1.1 | 1 |
| 5416 | Mapping progenitors of binary black holes and neutron stars with binary population synthesis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 520, 935-947. | 1.6 | 0 |
| 5417 | First machine learning gravitational-wave search mock data challenge. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 10 |
| 5418 | Improving performance for gravitational-wave parameter inference with an efficient and highly-parallelized algorithm. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 6 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5419 | <i>attractors static neutron star phenomenology</i> . Monthly Notices of the Royal Astronomical Society, 2023, 520, 2934-2941. | 1.6 | 18 |
| 5420 | The Singularities as Ontological Limits of the General Relativity. SSRN Electronic Journal, 0, , . | 0.4 | 0 |
| 5421 | On the impact of compact binary merger ejecta opacity on Kilonova transient signals. EPJ Web of Conferences, 2023, 275, 02012. | 0.1 | 0 |
| 5422 | The critical role of nuclear heating rates, thermalization efficiencies, and opacities for kilonova modelling and parameter inference. Monthly Notices of the Royal Astronomical Society, 2023, 520, 2558-2570. | 1.6 | 23 |
| 5423 | Applications of Atomic and Molecular Physics to Astrophysics. Springer Handbooks, 2023, , 1275-1287. | 0.3 | 0 |
| 5424 | Fast transient infrared detection for time-domain astronomy. Journal of Instrumentation, 2023, 18, C02012. | 0.5 | 0 |
| 5425 | Inspiral gravitational waveforms from compact binary systems in Horndeski gravity. Physical Review D, 2023, 107, . | 1.6 | 4 |
| 5426 | A case study of small field inflationary dynamics in the Einstein- G - W framework in the light of $\int G W$. Physics of the Dark Universe, 2023, 40, 101177. | 1.8 | 5 |
| 5427 | Investigating signatures of phase transitions in neutron-star cores. Physical Review C, 2023, 107, . | 1.1 | 16 |
| 5428 | The INTEGRAL Mission. , 2023, , 1-46. | | 0 |
| 5429 | Dynamics and Equation of State Dependencies of Relevance for Nucleosynthesis in Supernovae and Neutron Star Mergers. , 2023, , 1-98. | | 2 |
| 5430 | Searching for multi-messenger signals with the Pierre Auger Observatory. EPJ Web of Conferences, 2023, 280, 05004. | 0.1 | 0 |
| 5431 | Hamilton's equations in the covariant teleparallel equivalent of general relativity. Physical Review D, 2023, 107, . | 1.6 | 1 |
| 5432 | Scrambling and entangling spinning particles. Journal of High Energy Physics, 2023, 2023, . | 1.6 | 0 |
| 5433 | Quiescent and Active Galactic Nuclei as Factories of Merging Compact Objects in the Era of Gravitational Wave Astronomy. Universe, 2023, 9, 138. | 0.9 | 2 |
| 5434 | An optimal envelope ejection efficiency for merging neutron stars. Monthly Notices of the Royal Astronomical Society, 0, , . | 1.6 | 1 |
| 5435 | Bliski iz globin vesolja. Alternator, 0, , . | 0.0 | 0 |
| 5436 | Parametric amplification of electromagnetic plasma waves in resonance with a dispersive background gravitational wave. Physical Review E, 2023, 107, . | 0.8 | 1 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5437 | Constraining the surface curvature of an anisotropic neutron star. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 2 |
| 5438 | The luminosity functions of kilonovae from binary neutron star mergers under different equation of states. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 522, 912-936. | 1.6 | 3 |
| 5439 | Inflationary dynamics and swampland criteria for modified Gauss-Bonnet gravity compatible with GW170817. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 5 |
| 5440 | Skyrme Crystals, Nuclear Matter and Compact Stars. <i>Symmetry</i> , 2023, 15, 899. | 1.1 | 4 |
| 5441 | Framework for phase transitions between the Maxwell and Gibbs constructions. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 6 |
| 5442 | Observing the ping-pong modality of the isospin degree of freedom in cluster emission from heavy-ion reactions. <i>Physical Review C</i> , 2023, 107, . | 1.1 | 2 |
| 5443 | Gravitational wave source clustering in the luminosity distance space with the presence of peculiar velocity and lensing errors. <i>Physics of the Dark Universe</i> , 2023, 40, 101206. | 1.8 | 1 |
| 5444 | Deep learning detection and classification of gravitational waves from neutron star-black hole mergers. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2023, 840, 137850. | 1.5 | 5 |
| 5445 | Hadrons, Quark-Gluon Plasma, and Neutron Stars. , 2023, , 1-58. | | 0 |
| 5446 | Challenges for the statistical gravitational-wave method to measure the Hubble constant. <i>Physics of the Dark Universe</i> , 2023, 40, 101208. | 1.8 | 2 |
| 5447 | Ultra high energy cosmic rays The intersection of the Cosmic and Energy Frontiers. <i>Astroparticle Physics</i> , 2023, 149, 102819. | 1.9 | 10 |
| 5449 | Mass ejection from neutron-star mergers. <i>Proceedings of the International Astronomical Union</i> , 2020, 16, 190-202. | 0.0 | 1 |
| 5450 | Quantum-corrected scattering of a Schwarzschild black hole with GUP effect. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2023, 838, 137707. | 1.5 | 6 |
| 5451 | Gravitational-gauge vector interaction in the Hořava-Lifshitz framework. <i>Classical and Quantum Gravity</i> , 2023, 40, 055008. | 1.5 | 1 |
| 5452 | ALBUS: a machine learning algorithm for gravitational wave burst searches. , 2022, , . | | 0 |
| 5453 | Extended primordial black hole mass functions with a spike. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 520, 4276-4288. | 1.6 | 0 |
| 5454 | Can Neutron Star Mergers Alone Explain the r-process Enrichment of the Milky Way?. <i>Astrophysical Journal Letters</i> , 2023, 943, L12. | 3.0 | 16 |
| 5455 | Multimessenger emission from tidal waves in neutron star oceans. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 520, 6173-6189. | 1.6 | 2 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5456 | Structure and stability of differentially rotating compact stellar objects. <i>Astronomische Nachrichten</i> , 2023, 344, . | 0.6 | 0 |
| 5457 | Bayesian Exploration of Phenomenological EoS of Neutron/Hybrid Stars with Recent Observations. <i>Particles</i> , 2023, 6, 198-216. | 0.5 | 1 |
| 5458 | Stochastic gravitational wave background phenomenology in a pulsar timing array. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 8 |
| 5459 | Precision Ephemerides for Gravitational-wave Searches “ IV. Corrected and refined ephemeris for Scorpius X-1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 520, 5317-5330. | 1.6 | 4 |
| 5460 | Studies of the equation-of-state of nuclear matter by heavy-ion collisions at intermediate energy in the multi-messenger era. <i>Rivista Del Nuovo Cimento</i> , 2023, 46, 1-70. | 2.0 | 4 |
| 5461 | Testing the phase transition parameters inside neutron stars with the production of protons and lambdas in relativistic heavy-ion collisions. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 4 |
| 5462 | Higgsless simulations of cosmological phase transitions and gravitational waves. <i>Journal of Cosmology and Astroparticle Physics</i> , 2023, 2023, 011. | 1.9 | 11 |
| 5463 | Effect of gravitational wave onto stellar intensity interferometry. <i>Journal of the Korean Physical Society</i> , 2023, 82, 497-505. | 0.3 | 0 |
| 5464 | Nuclear properties for nuclear astrophysics studies. <i>European Physical Journal A</i> , 2023, 59, . | 1.0 | 3 |
| 5465 | A Bayesian Inference of a Relativistic Mean-field Model of Neutron Star Matter from Observations of NICER and GW170817/AT2017gfo. <i>Astrophysical Journal</i> , 2023, 943, 163. | 1.6 | 10 |
| 5466 | Scalar perturbation around rotating regular black hole: Superradiance instability and quasinormal modes. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 3 |
| 5467 | Inferring neutron star properties with continuous gravitational waves. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 521, 2103-2113. | 1.6 | 8 |
| 5468 | Gaussian processes for glitch-robust gravitational-wave astronomy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 520, 2983-2994. | 1.6 | 4 |
| 5469 | Resonant tides in binary neutron star mergers: Analytical-numerical relativity study. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 10 |
| 5470 | Hot Neutron Star Matter and Proto-neutron Stars. , 2023, , 199-259. | | 0 |
| 5471 | Searching for wormholes with gravitational wave scattering. <i>European Physical Journal C</i> , 2023, 83, . | 1.4 | 0 |
| 5472 | Constraining the Equation of State of Hybrid Stars Using Recent Information from Multidisciplinary Physics. <i>Astrophysical Journal</i> , 2023, 944, 7. | 1.6 | 5 |
| 5473 | Tests of general relativity with gravitational-wave observations using a flexible theory-independent method. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 15 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5474 | Breaking bad degeneracies with Love relations: Improving gravitational-wave measurements through universal relations. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 2 |
| 5475 | The impact of $f(G,T)$ gravity on the evolution of cavity in the cluster of stars. <i>Classical and Quantum Gravity</i> , 2023, 40, 065007. | 1.5 | 1 |
| 5476 | Gravitational waves from inspiraling black holes in quadratic gravity. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 2 |
| 5477 | Cosmology in theories with spontaneous scalarization of neutron stars. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 3 |
| 5478 | GRMHD Simulations of Neutron-star Mergers with Weak Interactions: r-process Nucleosynthesis and Electromagnetic Signatures of Dynamical Ejecta. <i>Astrophysical Journal</i> , 2023, 944, 28. | 1.6 | 14 |
| 5479 | Fundamental Physics with Neutron Stars. , 2023, , 1-53. | | 0 |
| 5480 | Robustness of kinetic screening against matter coupling. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 4 |
| 5481 | Gravitational waves and primordial black holes from chirality-imbalanced QCD first-order phase transition with $\langle \mathcal{P} \rangle$ violation. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 4 |
| 5482 | Relativistic Correction to the r-mode Frequency in Light of Multimessenger Constraints. <i>Astrophysical Journal</i> , 2023, 944, 53. | 1.6 | 3 |
| 5483 | Fermi gas and modified gravity. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 11 |
| 5484 | High-accuracy parallelism measurement of coated cube by dual-autocollimators. <i>Measurement Science and Technology</i> , 2023, 34, 065006. | 1.4 | 0 |
| 5485 | Black Hole Ultracompact X-Ray Binaries: Galactic Low-frequency Gravitational Wave Sources. <i>Astrophysical Journal</i> , 2023, 944, 83. | 1.6 | 5 |
| 5486 | Black-hole ringdown as a probe of higher-curvature gravity theories. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 17 |
| 5487 | Electromagnetic draping of merging neutron stars. <i>Physical Review E</i> , 2023, 107, . | 0.8 | 1 |
| 5488 | Spectroscopic r-Process Abundance Retrieval for Kilonovae. I. The Inferred Abundance Pattern of Early Emission from GW170817. <i>Astrophysical Journal</i> , 2023, 944, 123. | 1.6 | 11 |
| 5489 | Prospects of Gravitational-wave Follow-up through a Wide-field Ultraviolet Satellite: A Dorado Case Study. <i>Astrophysical Journal</i> , 2023, 944, 126. | 1.6 | 4 |
| 5490 | Linear response, Hamiltonian, and radiative spinning two-body dynamics. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 21 |
| 5491 | Multi-messenger Model for the Prompt Emission from GRB 221009A. <i>Astrophysical Journal Letters</i> , 2023, 944, L34. | 3.0 | 12 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5492 | Addition of tabulated equation of state and neutrino leakage support to illinoisgrmhd. Physical Review D, 2023, 107, . | 1.6 | 5 |
| 5493 | Nucleosynthesis and observation of the heaviest elements. European Physical Journal A, 2023, 59, . | 1.0 | 13 |
| 5494 | The afterglow of GRB 070707 and a possible kilonova component. Monthly Notices of the Royal Astronomical Society, 2023, 521, 269-277. | 1.6 | 0 |
| 5495 | Kilonova Emission and Heavy Element Nucleosynthesis. Universe, 2023, 9, 105. | 0.9 | 2 |
| 5496 | Gravitational wave constraints on spatial covariant gravities. Physical Review D, 2023, 107, . | 1.6 | 8 |
| 5497 | The Influence of $\hat{\Gamma}^2$ -decay Rates on r-process Observables. Astrophysical Journal, 2023, 944, 144. | 1.6 | 8 |
| 5498 | Parametrized post-Einsteinian framework for precessing binaries. Physical Review D, 2023, 107, . | 1.6 | 2 |
| 5499 | The Green Bank North Celestial Cap Survey. VII. 12 New Pulsar Timing Solutions. Astrophysical Journal, 2023, 944, 154. | 1.6 | 6 |
| 5500 | The LIGO–Virgo O3 Run and the Multi-messenger Investigations of Compact Binary Mergers. Annalen Der Physik, 2024, 536, . | 0.9 | 0 |
| 5501 | Impact of nuclear reactions on gravitational waves from neutron star mergers. Physical Review D, 2023, 107, . | 1.6 | 2 |
| 5502 | Moving gravitational wave sources at cosmological distances: Impact on the measurement of the Hubble constant. Physical Review D, 2023, 107, . | 1.6 | 2 |
| 5503 | Hierarchical Bayesian method for constraining the neutron star equation of state with an ensemble of binary neutron star postmerger remnants. Physical Review D, 2023, 107, . | 1.6 | 3 |
| 5504 | The gravitational field outside a spatially compact stationary source in a generic fourth-order theory of gravity. Journal of High Energy Physics, 2023, 2023, . | 1.6 | 1 |
| 5505 | Neutrino transport in general relativistic neutron star merger simulations. Living Reviews in Solar Physics, 2023, 9, . | 5.0 | 12 |
| 5506 | Modeling frequency-dependent tidal deformability for environmental black hole mergers. Physical Review D, 2023, 107, . | 1.6 | 12 |
| 5507 | GECAM Localization of High-energy Transients and the Systematic Error. Astrophysical Journal, Supplement Series, 2023, 265, 17. | 3.0 | 2 |
| 5508 | Time evolution of the local gravitational parameters and gravitational wave polarizations in a relativistic MOND theory. Physical Review D, 2023, 107, . | 1.6 | 2 |
| 5509 | 3D radiative transfer kilonova modelling for binary neutron star merger simulations. Monthly Notices of the Royal Astronomical Society, 2023, 521, 1858-1870. | 1.6 | 9 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5510 | Relativistic star solutions in mass-varying massive gravity with a diagonal metric. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 0 |
| 5511 | Rapid hierarchical inference of neutron star equation of state from multiple gravitational wave observations of binary neutron star coalescences. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 0 |
| 5512 | Rates and environments of neutron star binaries. <i>Proceedings of the International Astronomical Union</i> , 2020, 16, 33-42. | 0.0 | 0 |
| 5513 | Shift-symmetric Horndeski gravity in the asymptotic-safety paradigm. <i>Journal of Cosmology and Astroparticle Physics</i> , 2023, 2023, 052. | 1.9 | 3 |
| 5514 | Boltzmann equations for astrophysical Stochastic Gravitational Wave Backgrounds scattering off of massive objects. <i>Journal of Cosmology and Astroparticle Physics</i> , 2023, 2023, 054. | 1.9 | 4 |
| 5515 | Probing neutron-star matter in the lab: Similarities and differences between binary mergers and heavy-ion collisions. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 8 |
| 5516 | Low-frequency Gravitational-wave Memories from Gamma-Ray Burst Afterglows with Energy Injections. <i>Astrophysical Journal</i> , 2023, 944, 189. | 1.6 | 0 |
| 5517 | Neutron Star Equation of State Constraints from <i>NICER</i> and Multimessenger Gravitational Wave Observations. <i>Proceedings of the International Astronomical Union</i> , 2020, 16, 10-18. | 0.0 | 0 |
| 5518 | Compactness in the thermal evolution of twin stars. <i>Physical Review C</i> , 2023, 107, . | 1.1 | 6 |
| 5519 | Constraining three-nucleon forces with multimessenger data. <i>Proceedings of the International Astronomical Union</i> , 2020, 16, 195-198. | 0.0 | 0 |
| 5520 | The neutron star neutron star merger GW170817: a multi-messenger study. <i>Proceedings of the International Astronomical Union</i> , 2020, 16, 211-215. | 0.0 | 0 |
| 5521 | Light Curves and Polarizations of Gravitationally Lensed Kilonovae. <i>Astrophysical Journal</i> , 2023, 944, 224. | 1.6 | 0 |
| 5522 | Parameter estimation of eccentric gravitational waves with a decihertz observatory and its cosmological implications. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 4 |
| 5523 | Constraining exotic compact stars composed of bosonic and fermionic dark matter with gravitational wave events. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 521, 1393-1398. | 1.6 | 4 |
| 5524 | Relativistic Hybrid Stars with Sequential First-order Phase Transitions in Light of Multimessenger Constraints. <i>Astrophysical Journal</i> , 2023, 944, 206. | 1.6 | 7 |
| 5525 | Measuring neutron star distances and properties with gravitational-wave parallax. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 521, 1924-1930. | 1.6 | 7 |
| 5526 | Shortcut in codimension-2 brane cosmology in light of GW170817. <i>European Physical Journal C</i> , 2023, 83, . | 1.4 | 1 |
| 5527 | Late-time post-merger modeling of a compact binary: effects of relativity, r-process heating, and treatment of transport. <i>Classical and Quantum Gravity</i> , 2023, 40, 085008. | 1.5 | 6 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5528 | Crustal Magnetic Fields Do Not Lead to Large Magnetic-field Amplifications in Binary Neutron Star Mergers. <i>Astrophysical Journal Letters</i> , 2023, 945, L14. | 3.0 | 8 |
| 5529 | Gravitational Wave Signal for Quark Matter with Realistic Phase Transition. <i>Physical Review Letters</i> , 2023, 130, . | 2.9 | 15 |
| 5530 | Conformal model for gravitational waves and dark matter: a status update. <i>Journal of High Energy Physics</i> , 2023, 2023, . | 1.6 | 21 |
| 5531 | Propagation of scalar and tensor gravitational waves in Horndeski theory. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 3 |
| 5532 | Discriminate primary gammas (signal) from the images of hadronic showers by cosmic rays in the upper atmosphere (background) with machine learning. <i>Physica Scripta</i> , 2023, 98, 045506. | 1.2 | 5 |
| 5533 | Observations of R-Process Stars in the Milky Way and Dwarf Galaxies. , 2023, , 1-64. | | 0 |
| 5534 | Second release of the CoRe database of binary neutron star merger waveforms. <i>Classical and Quantum Gravity</i> , 2023, 40, 085011. | 1.5 | 13 |
| 5535 | Asymmetry correlation of neutron skin thickness using relativistic density dependent hadronic formalism. <i>International Journal of Modern Physics E</i> , 0, , . | 0.4 | 0 |
| 5536 | Static neutron stars perspective of quadratic and induced inflationary attractor scalar-tensor theories. <i>Classical and Quantum Gravity</i> , 2023, 40, 085005. | 1.5 | 12 |
| 5537 | Chasing supermassive black hole merging events with <i>Athena</i> and <i>LISA</i> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 521, 2577-2592. | 1.6 | 4 |
| 5538 | Generating enhanced parity-violating gravitational waves during inflation with violation of the null energy condition. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 8 |
| 5539 | Muons in the aftermath of neutron star mergers and their impact on trapped neutrinos. <i>Astronomy and Astrophysics</i> , 2023, 672, A124. | 2.1 | 5 |
| 5540 | Neutron matter properties from relativistic Brueckner-Hartree-Fock theory in the full Dirac space. <i>Science China: Physics, Mechanics and Astronomy</i> , 2023, 66, . | 2.0 | 4 |
| 5541 | Past-directed scalar field gradients and scalar-tensor thermodynamics. <i>General Relativity and Gravitation</i> , 2023, 55, . | 0.7 | 4 |
| 5542 | Systematic correlation analysis between the nuclear matter parameters and neutron star properties within relativistic mean-field theory. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 0 |
| 5543 | Discretized Finsler Structure: An Approach to Quantizing the First Fundamental Form. , 0, , . | | 0 |
| 5544 | A model-agnostic analysis of hybrid stars with reactive interfaces. <i>Journal of Cosmology and Astroparticle Physics</i> , 2023, 2023, 028. | 1.9 | 7 |
| 5545 | Empirical neutron star mass formula based on experimental observables. <i>Physical Review C</i> , 2023, 107, . | 1.1 | 4 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5546 | Probing Modified Gravity Theories with Scalar Fields Using Black-Hole Images. <i>Universe</i> , 2023, 9, 147. | 0.9 | 4 |
| 5547 | Phase transition and stiffer core fluid in neutron stars: effects on stellar configurations, dynamical stability, and tidal deformability. <i>European Physical Journal C</i> , 2023, 83, . | 1.4 | 2 |
| 5548 | Surrogate light curve models for kilonovae with comprehensive wind ejecta outflows and parameter estimation for AT2017gfo. <i>Physical Review Research</i> , 2023, 5, . | 1.3 | 5 |
| 5549 | Gravitational wave constraints on extended dark matter structures. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 1 |
| 5550 | Constraining the Nuclear Symmetry Energy with Multimessenger Resonant Shattering Flares. <i>Physical Review Letters</i> , 2023, 130, . | 2.9 | 7 |
| 5551 | Chaotic motion and Periastron precession of spinning test particles moving in the vicinage of a Schwarzschild black hole surrounded by a quintessence matter field. <i>European Physical Journal Plus</i> , 2023, 138, . | 1.2 | 0 |
| 5552 | New Trends in the General Relativistic Poyntingâ€“Robertson Effect Modeling. <i>Tutorials, Schools, and Workshops in the Mathematical Sciences</i> , 2022, , 155-168. | 0.3 | 0 |
| 5553 | Massively parallel simulations of binary black holes with adaptive wavelet multiresolution. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 1 |
| 5554 | Hi-COLA: fast, approximate simulations of structure formation in Horndeski gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2023, 2023, 040. | 1.9 | 4 |
| 5555 | Approximate Noether symmetries of the geodesic Lagrangian of spherically symmetric spacetimes. <i>European Physical Journal Plus</i> , 2023, 138, . | 1.2 | 1 |
| 5556 | Prospects of probing dark matter condensates with gravitational waves. <i>Journal of Cosmology and Astroparticle Physics</i> , 2023, 2023, 041. | 1.9 | 3 |
| 5557 | Swampland criteria and constraints on inflation in a $f(R,T)$ gravity theory. <i>International Journal of Modern Physics D</i> , 2023, 32, . | 0.9 | 2 |
| 5558 | Gamma-ray bursts, quasars, baryonic acoustic oscillations, and supernovae Ia: new statistical insights and cosmological constraints. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 521, 3909-3924. | 1.6 | 16 |
| 5559 | Investigating the distribution of double neutron stars and unconventional component mass. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 521, 4669-4678. | 1.6 | 0 |
| 5560 | Detecting and diagnosing terrestrial gravitational-wave mimics through feature learning. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 1 |
| 5561 | Chiral Restoration of Nucleons in Neutron Star Matter: Studies Based on a Parity Doublet Model. <i>Symmetry</i> , 2023, 15, 745. | 1.1 | 4 |
| 5562 | Testing gravitational wave propagation with multiband detections. <i>Journal of Cosmology and Astroparticle Physics</i> , 2023, 2023, 044. | 1.9 | 3 |
| 5563 | The Continuous Energy Cycle â€“CECâ€“™ with the Mechanism for Information and Control of Energy â€“MICEâ€“™ as the Combined Theory of How the Universe Works. <i>SSRN Electronic Journal</i> , 0, , . | 0.4 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5564 | The Missing Link between Black Holes in High-mass X-Ray Binaries and Gravitational-wave Sources: Observational Selection Effects. <i>Astrophysical Journal</i> , 2023, 946, 4. | 1.6 | 8 |
| 5565 | The effects of time-variable absorption due to gamma-ray bursts in active galactic nucleus accretion discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 521, 4233-4245. | 1.6 | 3 |
| 5566 | Recent nucleosynthesis in the solar neighbourhood, detected with live radionuclides. <i>European Physical Journal A</i> , 2023, 59, . | 1.0 | 2 |
| 5567 | Detecting cosmological gravitational wave background after removal of compact binary coalescences in future gravitational wave detectors. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 6 |
| 5568 | Primordial black holes and scalar-induced gravitational waves from the generalized Brans-Dicke theory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2023, 2023, 048. | 1.9 | 14 |
| 5569 | Revisiting the Parameter Space of Binary Neutron Star Merger Event GW170817. <i>Astrophysical Journal</i> , 2023, 945, 135. | 1.6 | 3 |
| 5570 | Black Hole Formation and Gravitational Waves Generation. , 0, 38, 659-664. | | 0 |
| 5571 | Hybrid stars are compatible with recent astrophysical observations. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 2 |
| 5572 | Stringent pulsar timing bounds on light scalar couplings to matter. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 4 |
| 5573 | A search for compact object companions to high mass function single-lined spectroscopic binaries in <i>Gaia</i> DR3. <i>Monthly Notices of the Royal Astronomical Society</i> , 2023, 521, 5927-5939. | 1.6 | 4 |
| 5574 | The Collimation of Relativistic Jets in Post-Neutron Star Binary Merger Simulations. <i>Astrophysical Journal Letters</i> , 2023, 946, L9. | 3.0 | 2 |
| 5575 | N3LO quadratic-in-spin interactions for generic compact binaries. <i>Journal of High Energy Physics</i> , 2023, 2023, . | 1.6 | 15 |
| 5576 | Fundamental quantum limit for linear measurements with instability. <i>Applied Physics Letters</i> , 2023, 122, 134001. | 1.5 | 0 |
| 5577 | Perturbations of general relativity to all orders and the general nth order terms. <i>Journal of High Energy Physics</i> , 2023, 2023, . | 1.6 | 2 |
| 5578 | (Anti)kaon condensation in strongly magnetized dense matter. <i>Physical Review C</i> , 2023, 107, . | 1.1 | 1 |
| 5579 | Artificial intelligence model for gravitational wave search based on the waveform envelope. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 2 |
| 5580 | Population of Merging Compact Binaries Inferred Using Gravitational Waves through GWTC-3. <i>Physical Review X</i> , 2023, 13, . | 2.8 | 195 |
| 5581 | Mock data study for next-generation ground-based detectors: The performance loss of matched filtering due to correlated confusion noise. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 9 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5582 | 4-OGC: Catalog of Gravitational Waves from Compact Binary Mergers. <i>Astrophysical Journal</i> , 2023, 946, 59. | 1.6 | 38 |
| 5583 | Polarization of Gravitational Waves in Modified Gravity. <i>Symmetry</i> , 2023, 15, 832. | 1.1 | 2 |
| 5584 | Ghost and Laplacian instabilities in teleparallel Horndeski gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2023, 2023, 060. | 1.9 | 5 |
| 5585 | Combined X-ray and optical analysis to probe the origin of the plateau emission in gamma-ray burst afterglows. <i>Astronomy and Astrophysics</i> , 0, , . | 2.1 | 0 |
| 5586 | Probing into the Possible Range of the U Bosonic Coupling Constants in Neutron Stars Containing Hyperons. <i>Research in Astronomy and Astrophysics</i> , 2023, 23, 055016. | 0.7 | 1 |
| 5587 | Design of a tabletop interferometer with quantum amplification. <i>Physical Review A</i> , 2023, 107, . | 1.0 | 0 |
| 5588 | Proximity effects of vortices in neutron $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \langle \text{mml:msup} \langle \text{mml:mrow} / \rangle \langle \text{mml:mn} \rangle 3 \langle / \text{mml:mn} \rangle \langle / \text{mml:msup} \rangle \langle \text{mml:msub} \langle \text{mml:mi} \rangle P \langle / \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle / \text{mml:mn} \rangle \langle / \text{mml:msub} \rangle \langle / \text{mml:mrow} \rangle 2 \langle / \text{mml:math} \rangle$ superfluids in neutron stars: Vortex core transitions and covalent bonding of vortex molecules. <i>Physical Review C</i> , 2023, 107, . | 1.1 | 2 |
| 5589 | Dropping Anchor: Understanding the Populations of Binary Black Holes with Random and Aligned-spin Orientations. <i>Astrophysical Journal</i> , 2023, 946, 50. | 1.6 | 6 |
| 5590 | Classical double copy of spinning worldline quantum field theory. <i>Journal of High Energy Physics</i> , 2023, 2023, . | 1.6 | 8 |
| 5591 | Cadabra and Python algorithms in general relativity and cosmology II: Gravitational waves. <i>Computer Physics Communications</i> , 2023, 289, 108748. | 3.0 | 1 |
| 5592 | Gravitational waveform and polarization from binary black hole inspiral in dynamical Chern-Simons gravity: from generation to propagation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2023, 2023, 006. | 1.9 | 4 |
| 5593 | POLAR $\frac{1}{4} \frac{1}{2} \epsilon \odot - \text{æ} \text{ř} \text{č} \text{ž} - \text{æ} - \text{ř} \text{è} \text{¾} \text{å} \text{°} \text{,,} \text{å} \text{æ} \text{E} - \text{æ} \text{µ} \text{·} \text{é} \text{†} \text{å} \text{,} \text{ž} \text{è} \text{,,} \text{‰} \text{å} \text{†} \text{²} \text{æ} \text{~} \text{ÿ} \text{å} \text{~} \text{¼} \text{è} \text{³} \text{è} \text{~} \text{é} \text{³} \text{E} \text{ç} \text{”} \text{ç} \text{©} \text{ř} \text{è} \text{;} \text{å} \text{±} \text{.}$ <i>Chinese Science Bulletin</i> , 2023, , . 0 | 1.1 | 0 |
| 5594 | Strange magnetars admixed with fermionic dark matter. <i>Journal of Cosmology and Astroparticle Physics</i> , 2023, 2023, 012. | 1.9 | 6 |
| 5595 | Bayesian refinement of covariant energy density functionals. <i>Physical Review C</i> , 2023, 107, . | 1.1 | 6 |
| 5596 | Testing the post-Newtonian expansion with GW170817. <i>General Relativity and Gravitation</i> , 2023, 55, . | 0.7 | 4 |
| 5597 | Analogue Black Holes in Reactive Molecules. <i>Chinese Physics Letters</i> , 0, , . | 1.3 | 0 |
| 5598 | Kaon condensation in skyrmion matter and compact stars. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 4 |
| 5599 | Reissner-Nordstrom black hole and the gravitational waves formation. <i>Indian Journal of Physics</i> , 0, , . | 0.9 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 5600 | Bayesian inference of the dense matter equation of state built upon covariant density functionals. Physical Review C, 2023, 107, . | 1.1 | 5 |
| 5601 | Measurement of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle \hat{I} \pm \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -Particle Monopole Transition Form Factor Challenges Theory: A Low-Energy Puzzle for Nuclear Forces?. Physical Review Letters, 2023, 130, . | 2.9 | 11 |
| 5602 | An Introduction to Relativistic Gravity. Astronomy and Astrophysics Library, 2023, , 193-226. | 0.2 | 0 |
| 5603 | Unified model for the LISA measurements and instrument simulations. Physical Review D, 2023, 107, . | 1.6 | 9 |
| 5604 | Binary dynamics from worldline QFT for scalar QED. Physical Review D, 2023, 107, . | 1.6 | 3 |
| 5605 | Characterizing a supernova's standing accretion shock instability with neutrinos and gravitational waves. Physical Review D, 2023, 107, . | 1.6 | 4 |
| 5606 | Self-bound embedding Class I anisotropic stars by gravitational decoupling within vanishing complexity factor formalism. European Physical Journal C, 2023, 83, . | 1.4 | 7 |
| 5607 | Equation of State in Neutron Stars and Supernovae. , 2023, , 1-51. | | 2 |
| 5608 | Particle-like solutions in the generalized SU(2) Proca theory. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 032. | 1.9 | 3 |
| 5609 | Polar modes and isospectrality of Ellis-Bronnikov wormholes. Physical Review D, 2023, 107, . | 1.6 | 5 |
| 5610 | Stability of hairy black holes in shift-symmetric scalar-tensor theories via the effective field theory approach. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 035. | 1.9 | 6 |
| 5611 | Rapidly rotating neutron stars in $f(R,T)=R+2\lambda T$ gravity. European Physical Journal C, 2023, 83, . | 1.4 | 3 |
| 5612 | Searches for continuous-wave gravitational radiation. Living Reviews in Relativity, 2023, 26, . | 8.2 | 24 |
| 5613 | Neutron stars in modified teleparallel gravity. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 044. | 1.9 | 5 |
| 5614 | Probing minimal grand unification through gravitational waves, proton decay, and fermion masses. Journal of High Energy Physics, 2023, 2023, . | 1.6 | 6 |
| 5615 | Revisiting the matching of black hole tidal responses: A systematic study of relativistic and logarithmic corrections. Physical Review D, 2023, 107, . | 1.6 | 7 |
| 5616 | Multi-messenger Astronomy. Springer Proceedings in Physics, 2023, , 255-266. | 0.1 | 0 |
| 5617 | Constraining the number of spacetime dimensions from GWTC-3 binary black hole mergers. Physical Review D, 2023, 107, . | 1.6 | 3 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5618 | Hybrid stars with reactive interfaces: Analysis within the Nambu–Jona-Lasinio model. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 4 |
| 5619 | The Black Hole Candidate Swift J1728.9+3613 and the Supernova Remnant G351.9+0.9. <i>Astrophysical Journal</i> , 2023, 947, 38. | 1.6 | 3 |
| 5620 | Completing the fifth PN precision frontier via the EFT of spinning gravitating objects. <i>Journal of High Energy Physics</i> , 2023, 2023, . | 1.6 | 15 |
| 5621 | Missing one-loop contributions in secondary gravitational waves. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 10 |
| 5622 | GRB 211211A: A Neutron Star–White Dwarf Merger?. <i>Astrophysical Journal Letters</i> , 2023, 947, L21. | 3.0 | 13 |
| 5623 | Precision cosmology with primordial GW backgrounds in presence of astrophysical foregrounds. <i>Journal of Cosmology and Astroparticle Physics</i> , 2023, 2023, 054. | 1.9 | 3 |
| 5624 | Dynamically screened strongly quantized electron transport in binary neutron-star merger. <i>European Physical Journal C</i> , 2023, 83, . | 1.4 | 1 |
| 5625 | Inference of protoneutron star properties in core-collapse supernovae from a gravitational-wave detector network. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 7 |
| 5626 | Improved analytical modeling of the nonlinear power spectrum in modified gravity cosmologies. <i>Physical Review D</i> , 2023, 107, . | 1.6 | 1 |
| 5627 | Target-of-Opportunity Observation Detectability of Kilonovae with WFST. <i>Astrophysical Journal</i> , 2023, 947, 59. | 1.6 | 3 |
| 5628 | On the hosts of neutron star mergers in the nearby Universe. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , . | 1.6 | 0 |
| 5629 | Gravitational Waves from Cosmic Strings. <i>Springer Theses</i> , 2022, , 419-499. | 0.0 | 0 |
| 5806 | Extragalactic Reality Revisited: Astrophysics and Entity Realism. <i>Synthese Library</i> , 2023, , 277-293. | 0.1 | 0 |
| 5817 | Gravitational Waves. , 2023, , 221-231. | | 0 |
| 5820 | Possible Distribution of Mass Inside a Black Hole. , 2023, , 233-240. | | 0 |
| 5821 | Anthropic Principle and the Hubble-Lemaître Constant. , 2023, , 205-219. | | 0 |
| 5823 | Singularity-Free Gravitational Collapse: From Regular Black Holes to Horizonless Objects. , 2023, , 353-387. | | 1 |
| 5898 | Overview of the advanced x-ray imaging satellite (AXIS). , 2023, , . | | 2 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 5912 | Multi-messenger from Compact Binary Mergers. , 2023, , . | | 0 |
| 5945 | Computational methods for collisional stellar systems. Living Reviews in Solar Physics, 2023, 9, . | 5.0 | 2 |
| 5988 | Observations of R-Process Stars in the Milky Way and Dwarf Galaxies. , 2023, , 3941-4004. | | 0 |
| 5989 | Nucleosynthesis in Jet-Driven and Jet-Associated Supernovae. , 2023, , 3877-3914. | | 0 |
| 5990 | R-Process Nucleosynthesis in Neutron Star Merger Ejecta and Nuclear Dependences. , 2023, , 3915-3940. | | 0 |
| 5991 | Dynamics and Equation of State Dependencies of Relevance for Nucleosynthesis in Supernovae and Neutron Star Mergers. , 2023, , 4005-4102. | | 0 |
| 5992 | Hadrons, Quark-Gluon Plasma, and Neutron Stars. , 2023, , 3067-3124. | | 0 |
| 5994 | Neutrinos and Heavy Element Nucleosynthesis. , 2023, , 3735-3753. | | 0 |
| 6095 | The Dark Universe. Challenges in Physics Education, 2023, , 93-106. | 0.6 | 0 |
| 6221 | Main Experiments for Detection of Gravitational Waves at Frequency below 3 kHz: A Quick Review. , 0, , . | | 0 |
| 6248 | Studies on electromagnetic dipole responses of atomic nuclei at RCNP. AAPPS Bulletin, 2024, 34, . | 2.7 | 0 |
| 6309 | 50 Years of Horndeski Gravity: Past, Present and Future. International Journal of Theoretical Physics, 2024, 63, . | 0.5 | 0 |
| 6353 | Gamma-Ray Bursts. , 2024, , 5093-5126. | | 0 |
| 6355 | The INTEGRAL Mission. , 2024, , 2307-2352. | | 0 |
| 6358 | Fundamental Physics with Neutron Stars. , 2024, , 4177-4229. | | 0 |