

Tyson B Littenberg

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

3,070
citations

257450

24
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361022

35
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docs citations

36
times ranked

2991
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Modeling compact binary signals and instrumental glitches in gravitational wave data. <i>Physical Review D</i> , 2021, 103, . | 4.7 | 36 |
| 2 | BayesWave analysis pipeline in the era of gravitational wave observations. <i>Physical Review D</i> , 2021, 103, . | 4.7 | 65 |
| 3 | Morphology-independent test of the mixed polarization content of transient gravitational wave signals. <i>Physical Review D</i> , 2021, 104, . | 4.7 | 12 |
| 4 | Characterization of the stochastic signal originating from compact binary populations as measured by LISA. <i>Physical Review D</i> , 2021, 104, . | 4.7 | 45 |
| 5 | Bayesian time delay interferometry. <i>Physical Review D</i> , 2021, 104, . | 4.7 | 10 |
| 6 | Reconstructing gravitational wave signals from binary black hole mergers with minimal assumptions. <i>Physical Review D</i> , 2020, 102, . | 4.7 | 19 |
| 7 | Global analysis of the gravitational wave signal from Galactic binaries. <i>Physical Review D</i> , 2020, 101, . | 4.7 | 66 |
| 8 | Search for advanced LIGO single interferometer compact binary coalescence signals in coincidence with Gamma-ray events in Fermi-GBM. <i>Classical and Quantum Gravity</i> , 2020, 37, 175001. | 4.0 | 6 |
| 9 | Interpreting gravitational-wave burst detections: constraining source properties without astrophysical models. <i>Classical and Quantum Gravity</i> , 2020, 37, 105011. | 4.0 | 1 |
| 10 | Noise spectral estimation methods and their impact on gravitational wave measurement of compact binary mergers. <i>Physical Review D</i> , 2019, 100, . | 4.7 | 54 |
| 11 | Fermi-GBM Follow-up of LIGO-Virgo Binary Black Hole Mergers: Detection Prospects. <i>Astrophysical Journal</i> , 2019, 882, 53. | 4.5 | 7 |
| 12 | Micrometeoroid Events in LISA Pathfinder. <i>Astrophysical Journal</i> , 2019, 883, 53. | 4.5 | 15 |
| 13 | Predicting the LISA white dwarf binary population in the Milky Way with cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 5888-5903. | 4.4 | 95 |
| 14 | Binary white dwarfs as laboratories for extreme gravity with LISA. <i>Classical and Quantum Gravity</i> , 2019, 36, 095017. | 4.0 | 15 |
| 15 | Prospects for Gravitational Wave Measurement of ZTF J1539+5027. <i>Astrophysical Journal Letters</i> , 2019, 881, L43. | 8.3 | 21 |
| 16 | On the properties of the massive binary black hole merger GW170729. <i>Physical Review D</i> , 2019, 100, . | 4.7 | 82 |
| 17 | Mitigation of the instrumental noise transient in gravitational-wave data surrounding GW170817. <i>Physical Review D</i> , 2018, 98, . | 4.7 | 75 |
| 18 | Bayesian reconstruction of gravitational wave bursts using chirplets. <i>Physical Review D</i> , 2018, 97, . | 4.7 | 20 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Gravitational wave sources as timing references for LISA data. <i>Physical Review D</i> , 2018, 98, . | 4.7 | 8 |
| 20 | Parameter Estimation for Gravitational-wave Bursts with the BayesWave Pipeline. <i>Astrophysical Journal</i> , 2017, 839, 15. | 4.5 | 38 |
| 21 | Inferring the post-merger gravitational wave emission from binary neutron star coalescences. <i>Physical Review D</i> , 2017, 96, . | 4.7 | 84 |
| 22 | SYSTEMATIC ERRORS IN LOW-LATENCY GRAVITATIONAL WAVE PARAMETER ESTIMATION IMPACT ELECTROMAGNETIC FOLLOW-UP OBSERVATIONS. <i>Astrophysical Journal</i> , 2016, 820, 7. | 4.5 | 2 |
| 23 | Leveraging waveform complexity for confident detection of gravitational waves. <i>Physical Review D</i> , 2016, 93, . | 4.7 | 42 |
| 24 | Distinguishing black-hole spin-orbit resonances by their gravitational wave signatures. II. Full parameter estimation. <i>Physical Review D</i> , 2016, 93, . | 4.7 | 27 |
| 25 | Enabling high confidence detections of gravitational-wave bursts. <i>Physical Review D</i> , 2016, 94, . | 4.7 | 36 |
| 26 | Bayesian inference for spectral estimation of gravitational wave detector noise. <i>Physical Review D</i> , 2015, 91, . | 4.7 | 172 |
| 27 | Testing general relativity with present and future astrophysical observations. <i>Classical and Quantum Gravity</i> , 2015, 32, 243001. | 4.0 | 943 |
| 28 | NEUTRON STARS VERSUS BLACK HOLES: PROBING THE MASS GAP WITH LIGO/VIRGO. <i>Astrophysical Journal Letters</i> , 2015, 807, L24. | 8.3 | 51 |
| 29 | Bayeswave: Bayesian inference for gravitational wave bursts and instrument glitches. <i>Classical and Quantum Gravity</i> , 2015, 32, 135012. | 4.0 | 295 |
| 30 | BASIC PARAMETER ESTIMATION OF BINARY NEUTRON STAR SYSTEMS BY THE ADVANCED LIGO/VIRGO NETWORK. <i>Astrophysical Journal</i> , 2014, 784, 119. | 4.5 | 82 |
| 31 | Fortifying the characterization of binary mergers in LIGO data. <i>Physical Review D</i> , 2013, 88, . | 4.7 | 25 |
| 32 | Low-frequency gravitational-wave science with eLISA/NGO. <i>Classical and Quantum Gravity</i> , 2012, 29, 124016. | 4.0 | 391 |
| 33 | Astrophysical model selection in gravitational wave astronomy. <i>Physical Review D</i> , 2012, 86, . | 4.7 | 34 |
| 34 | Detection pipeline for Galactic binaries in LISA data. <i>Physical Review D</i> , 2011, 84, . | 4.7 | 45 |
| 35 | Report on the second Mock LISA data challenge. <i>Classical and Quantum Gravity</i> , 2008, 25, 114037. | 4.0 | 44 |
| 36 | Tests of Bayesian model selection techniques for gravitational wave astronomy. <i>Physical Review D</i> , 2007, 76, . | 4.7 | 107 |