

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
h-index

361022

35
g-index

36
all docs

36
docs citations

36
times ranked

2991
citing authors

#	ARTICLE	IF	CITATIONS
1	Testing general relativity with present and future astrophysical observations. <i>Classical and Quantum Gravity</i> , 2015, 32, 243001.	4.0	943
2	Low-frequency gravitational-wave science with eLISA/NGO. <i>Classical and Quantum Gravity</i> , 2012, 29, 124016.	4.0	391
3	Bayeswave: Bayesian inference for gravitational wave bursts and instrument glitches. <i>Classical and Quantum Gravity</i> , 2015, 32, 135012.	4.0	295
4	Bayesian inference for spectral estimation of gravitational wave detector noise. <i>Physical Review D</i> , 2015, 91, .	4.7	172
5	Tests of Bayesian model selection techniques for gravitational wave astronomy. <i>Physical Review D</i> , 2007, 76, .	4.7	107
6	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
7	Inferring the post-merger gravitational wave emission from binary neutron star coalescences. <i>Physical Review D</i> , 2017, 96, .	4.7	84
8	BASIC PARAMETER ESTIMATION OF BINARY NEUTRON STAR SYSTEMS BY THE ADVANCED LIGO/VIRGO NETWORK. <i>Astrophysical Journal</i> , 2014, 784, 119.	4.5	82
9	On the properties of the massive binary black hole merger GW170729. <i>Physical Review D</i> , 2019, 100, .	4.7	82
10	Mitigation of the instrumental noise transient in gravitational-wave data surrounding GW170817. <i>Physical Review D</i> , 2018, 98, .	4.7	75
11	Global analysis of the gravitational wave signal from Galactic binaries. <i>Physical Review D</i> , 2020, 101, .	4.7	66
12	BayesWave analysis pipeline in the era of gravitational wave observations. <i>Physical Review D</i> , 2021, 103, .	4.7	65
13	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
14	NEUTRON STARS VERSUS BLACK HOLES: PROBING THE MASS GAP WITH LIGO/VIRGO. <i>Astrophysical Journal Letters</i> , 2015, 807, L24.	8.3	51
15	Detection pipeline for Galactic binaries in LISA data. <i>Physical Review D</i> , 2011, 84, .	4.7	45
16	Characterization of the stochastic signal originating from compact binary populations as measured by LISA. <i>Physical Review D</i> , 2021, 104, .	4.7	45
17	Report on the second Mock LISA data challenge. <i>Classical and Quantum Gravity</i> , 2008, 25, 114037.	4.0	44
18	Leveraging waveform complexity for confident detection of gravitational waves. <i>Physical Review D</i> , 2016, 93, .	4.7	42

#	ARTICLE	IF	CITATIONS
19	Parameter Estimation for Gravitational-wave Bursts with the BayesWave Pipeline. <i>Astrophysical Journal</i> , 2017, 839, 15.	4.5	38
20	Enabling high confidence detections of gravitational-wave bursts. <i>Physical Review D</i> , 2016, 94, .	4.7	36
21	Modeling compact binary signals and instrumental glitches in gravitational wave data. <i>Physical Review D</i> , 2021, 103, .	4.7	36
22	Astrophysical model selection in gravitational wave astronomy. <i>Physical Review D</i> , 2012, 86, .	4.7	34
23	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
24	Fortifying the characterization of binary mergers in LIGO data. <i>Physical Review D</i> , 2013, 88, .	4.7	25
25	Prospects for Gravitational Wave Measurement of ZTF J1539+5027. <i>Astrophysical Journal Letters</i> , 2019, 881, L43.	8.3	21
26	Bayesian reconstruction of gravitational wave bursts using chirplets. <i>Physical Review D</i> , 2018, 97, .	4.7	20
27	Reconstructing gravitational wave signals from binary black hole mergers with minimal assumptions. <i>Physical Review D</i> , 2020, 102, .	4.7	19
28	Micrometeoroid Events in LISA Pathfinder. <i>Astrophysical Journal</i> , 2019, 883, 53.	4.5	15
29	Binary white dwarfs as laboratories for extreme gravity with LISA. <i>Classical and Quantum Gravity</i> , 2019, 36, 095017.	4.0	15
30	Morphology-independent test of the mixed polarization content of transient gravitational wave signals. <i>Physical Review D</i> , 2021, 104, .	4.7	12
31	Bayesian time delay interferometry. <i>Physical Review D</i> , 2021, 104, .	4.7	10
32	Gravitational wave sources as timing references for LISA data. <i>Physical Review D</i> , 2018, 98, .	4.7	8
33	Fermi-GBM Follow-up of LIGO-Virgo Binary Black Hole Mergers: Detection Prospects. <i>Astrophysical Journal</i> , 2019, 882, 53.	4.5	7
34	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
35	SYSTEMATIC ERRORS IN LOW-LATENCY GRAVITATIONAL WAVE PARAMETER ESTIMATION IMPACT ELECTROMAGNETIC FOLLOW-UP OBSERVATIONS. <i>Astrophysical Journal</i> , 2016, 820, 7.	4.5	2
36	Interpreting gravitational-wave burst detections: constraining source properties without astrophysical models. <i>Classical and Quantum Gravity</i> , 2020, 37, 105011.	4.0	1