

Jeffrey Hazboun

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,179
citations

361413

20
h-index

454955

30
g-index

30
all docs

30
docs citations

30
times ranked

1650
citing authors

#	ARTICLE	IF	CITATIONS
1	The International Pulsar Timing Array second data release: Search for an isotropic gravitational wave background. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 4873-4887.	4.4	174
2	A Detection of Red Noise in PSR J1824-2452A and Projections for PSR B1937+21 Using NICER X-Ray Timing Data. <i>Astrophysical Journal</i> , 2022, 928, 67.	4.5	3
3	Bayesian Solar Wind Modeling with Pulsar Timing Arrays. <i>Astrophysical Journal</i> , 2022, 929, 39.	4.5	8
4	The Pulsar Signal Simulator: A Python package for simulating radio signal data from pulsars. <i>Journal of Open Source Software</i> , 2021, 6, 2757.	4.6	1
5	Common-spectrum process versus cross-correlation for gravitational-wave searches using pulsar timing arrays. <i>Physical Review D</i> , 2021, 103, .	4.7	24
6	A Study in Frequency-dependent Effects on Precision Pulsar Timing Parameters with the Pulsar Signal Simulator. <i>Astrophysical Journal</i> , 2021, 909, 219.	4.5	3
7	Astrophysics Milestones for Pulsar Timing Array Gravitational-wave Detection. <i>Astrophysical Journal Letters</i> , 2021, 911, L34.	8.3	66
8	Precision Timing of PSR J0437-4715 with the IAR Observatory and Implications for Low-frequency Gravitational Wave Source Sensitivity. <i>Astrophysical Journal</i> , 2021, 911, 137.	4.5	1
9	The NANOGrav 11 yr Data Set: Limits on Supermassive Black Hole Binaries in Galaxies within 500 Mpc. <i>Astrophysical Journal</i> , 2021, 914, 121.	4.5	21
10	Multimessenger Pulsar Timing Array Constraints on Supermassive Black Hole Binaries Traced by Periodic Light Curves. <i>Astrophysical Journal</i> , 2021, 915, 97.	4.5	16
11	The NANOGrav 12.5 yr Data Set: Observations and Narrowband Timing of 47 Millisecond Pulsars. <i>Astrophysical Journal, Supplement Series</i> , 2021, 252, 4.	7.7	98
12	The NANOGrav 12.5 yr Data Set: Wideband Timing of 47 Millisecond Pulsars. <i>Astrophysical Journal, Supplement Series</i> , 2021, 252, 5.	7.7	64
13	Searching for Gravitational Waves from Cosmological Phase Transitions with the NANOGrav 12.5-Year Dataset. <i>Physical Review Letters</i> , 2021, 127, 251302.	7.8	62
14	The NANOGrav 12.5-year Data Set: Search for Non-Einsteinian Polarization Modes in the Gravitational-wave Background. <i>Astrophysical Journal Letters</i> , 2021, 923, L22.	8.3	30
15	The NANOGrav 11 yr Data Set: Evolution of Gravitational-wave Background Statistics. <i>Astrophysical Journal</i> , 2020, 890, 108.	4.5	28
16	The NANOGrav 11 yr Data Set: Limits on Gravitational Wave Memory. <i>Astrophysical Journal</i> , 2020, 889, 38.	4.5	36
17	Modeling the Uncertainties of Solar System Ephemerides for Robust Gravitational-wave Searches with Pulsar-timing Arrays. <i>Astrophysical Journal</i> , 2020, 893, 112.	4.5	49
18	Multimessenger Gravitational-wave Searches with Pulsar Timing Arrays: Application to 3C 66B Using the NANOGrav 11-year Data Set. <i>Astrophysical Journal</i> , 2020, 900, 102.	4.5	30

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19	Model Dependence of Bayesian Gravitational-wave Background Statistics for Pulsar Timing Arrays. <i>Astrophysical Journal Letters</i> , 2020, 905, L6.	8.3	20
20	The NANOGrav 12.5Åyr Data Set: Search for an Isotropic Stochastic Gravitational-wave Background. <i>Astrophysical Journal Letters</i> , 2020, 905, L34.	8.3	528
21	The NANOGrav 11 yr Data Set: Limits on Gravitational Waves from Individual Supermassive Black Hole Binaries. <i>Astrophysical Journal</i> , 2019, 880, 116.	4.5	102
22	The astrophysics of nanohertz gravitational waves. <i>Astronomy and Astrophysics Review</i> , 2019, 27, 1.	25.5	166
23	The International Pulsar Timing Array: second data release. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 4666-4687.	4.4	191
24	Realistic sensitivity curves for pulsar timing arrays. <i>Physical Review D</i> , 2019, 100, .	4.7	42
25	Hasasia: A Python package for Pulsar Timing Array Sensitivity Curves. <i>Journal of Open Source Software</i> , 2019, 4, 1775.	4.6	18
26	Constructing an explicit AdS/CFT correspondence with Cartan geometry. <i>Nuclear Physics B</i> , 2018, 929, 254-265.	2.5	6
27	A Second Chromatic Timing Event of Interstellar Origin toward PSR J1713+0747. <i>Astrophysical Journal</i> , 2018, 861, 132.	4.5	51
28	An acoustical analogue of a galactic-scale gravitational-wave detector. <i>American Journal of Physics</i> , 2018, 86, 755-764.	0.7	2
29	The NANOGrav 11 Year Data Set: Pulsar-timing Constraints on the Stochastic Gravitational-wave Background. <i>Astrophysical Journal</i> , 2018, 859, 47.	4.5	331
30	Time and dark matter from the conformal symmetries of Euclidean space. <i>Classical and Quantum Gravity</i> , 2014, 31, 215001.	4.0	8