

Zaven Arzoumanian

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12118669/publications.pdf>

Version: 2024-02-01

21
papers

3,132
citations

430874

18
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

2556
citing authors

#	ARTICLE	IF	CITATIONS
1	A NICER View of the Massive Pulsar PSR J0740+6620 Informed by Radio Timing and XMM-Newton Spectroscopy. <i>Astrophysical Journal Letters</i> , 2021, 918, L27.	8.3	544
2	The NANOGrav 12.5-yr Data Set: Search for an Isotropic Stochastic Gravitational-wave Background. <i>Astrophysical Journal Letters</i> , 2020, 905, L34.	8.3	528
3	THE NANOGrav NINE-YEAR DATA SET: MASS AND GEOMETRIC MEASUREMENTS OF BINARY MILLISECOND PULSARS. <i>Astrophysical Journal</i> , 2016, 832, 167.	4.5	466
4	The NANOGrav 11-year Data Set: High-precision Timing of 45 Millisecond Pulsars. <i>Astrophysical Journal, Supplement Series</i> , 2018, 235, 37.	7.7	448
5	THE NANOGrav NINE-YEAR DATA SET: OBSERVATIONS, ARRIVAL TIME MEASUREMENTS, AND ANALYSIS OF 37 MILLISECOND PULSARS. <i>Astrophysical Journal</i> , 2015, 813, 65.	4.5	185
6	An Eccentric Binary Millisecond Pulsar in the Galactic Plane. <i>Science</i> , 2008, 320, 1309-1312.	12.6	152
7	Constraining the Neutron Star Mass-Radius Relation and Dense Matter Equation of State with NICER. I. The Millisecond Pulsar X-Ray Data Set. <i>Astrophysical Journal Letters</i> , 2019, 887, L25.	8.3	110
8	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
9	Probing the Masses of the PSR J0621+1002 Binary System through Relativistic Apsidal Motion. <i>Astrophysical Journal</i> , 2002, 581, 509-518.	4.5	73
10	New Pulsars from an Arecibo Drift Scan Search. <i>Astrophysical Journal</i> , 2000, 545, 1007-1014.	4.5	68
11	Astrophysics Milestones for Pulsar Timing Array Gravitational-wave Detection. <i>Astrophysical Journal Letters</i> , 2021, 911, L34.	8.3	66
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 NINE-YEAR DATA SET: MONITORING INTERSTELLAR SCATTERING DELAYS. <i>Astrophysical Journal</i> , 2016, 818, 166.	4.5	57
15	A new class of flares from accreting supermassive black holes. <i>Nature Astronomy</i> , 2019, 3, 242-250.	10.1	57
16	THE NANOGrav NINE-YEAR DATA SET: ASTROMETRIC MEASUREMENTS OF 37 MILLISECOND PULSARS. <i>Astrophysical Journal</i> , 2016, 818, 92.	4.5	54
17	PSR J1024-0719: A MILLISECOND PULSAR IN AN UNUSUAL LONG-PERIOD ORBIT. <i>Astrophysical Journal</i> , 2016, 826, 86.	4.5	45
18	Return of the Big Glitcher: NICER timing and glitches of PSR J0537+6910. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 4605-4614.	4.4	22

#	ARTICLE	IF	CITATIONS
19	The NANOGrav 11 yr Data Set: Arecibo Observatory Polarimetry and Pulse Microcomponents. <i>Astrophysical Journal</i> , 2018, 862, 47.	4.5	18
20	Bayesian Solar Wind Modeling with Pulsar Timing Arrays. <i>Astrophysical Journal</i> , 2022, 929, 39.	4.5	8
21	The NANOGrav 12.5 Year Data Set: Monitoring Interstellar Scattering Delays. <i>Astrophysical Journal</i> , 2021, 917, 10.	4.5	7