Zaven Arzoumanian

List of Publications by Year
in descending order

21	3,132	430874	713466
papers	citations	18 h-index	21 g-index

22	22	22	2556
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bayesian Solar Wind Modeling with Pulsar Timing Arrays. Astrophysical Journal, 2022, 929, 39.	4.5	8
2	Astrophysics Milestones for Pulsar Timing Array Gravitational-wave Detection. Astrophysical Journal Letters, 2021, 911, L34.	8.3	66
3	The NANOGrav 12.5 Year Data Set: Monitoring Interstellar Scattering Delays. Astrophysical Journal, 2021, 917, 10.	4.5	7
4	A NICER View of the Massive Pulsar PSR J0740+6620 Informed by Radio Timing and XMM-Newton Spectroscopy. Astrophysical Journal Letters, 2021, 918, L27.	8.3	544
5	The NANOGrav 12.5 yr Data Set: Observations and Narrowband Timing of 47 Millisecond Pulsars. Astrophysical Journal, Supplement Series, 2021, 252, 4.	7.7	98
6	The NANOGrav 12.5 yr Data Set: Wideband Timing of 47 Millisecond Pulsars. Astrophysical Journal, Supplement Series, 2021, 252, 5.	7.7	64
7	Searching for Gravitational Waves from Cosmological Phase Transitions with the NANOGrav 12.5-Year Dataset. Physical Review Letters, 2021, 127, 251302.	7.8	62
8	Return of the Big Glitcher: NICER timing and glitches of PSRÂJ0537â˜6910. Monthly Notices of the Royal Astronomical Society, 2020, 498, 4605-4614.	4.4	22
9	The NANOGrav 12.5Âyr Data Set: Search for an Isotropic Stochastic Gravitational-wave Background. Astrophysical Journal Letters, 2020, 905, L34.	8.3	528
10	Constraining the Neutron Star Massâ€“Radius Relation and Dense Matter Equation of State with NICER. I. The Millisecond Pulsar X-Ray Data Set. Astrophysical Journal Letters, 2019, 887, L25.	8.3	110
11	A new class of flares from accreting supermassive black holes. Nature Astronomy, 2019, 3, 242-250.	10.1	57
12	The NANOGrav 11-year Data Set: High-precision Timing of 45 Millisecond Pulsars. Astrophysical Journal, Supplement Series, 2018, 235, 37.	7.7	448
13	The NANOGrav 11 yr Data Set: Arecibo Observatory Polarimetry and Pulse Microcomponents. Astrophysical Journal, 2018, 862, 47.	4.5	18
14	THE NANOGRAV NINE-YEAR DATA SET: MASS AND GEOMETRIC MEASUREMENTS OF BINARY MILLISECOND PULSARS. Astrophysical Journal, 2016, 832, 167.	4.5	466
15	THE NANOGRAV NINE-YEAR DATA SET: MONITORING INTERSTELLAR SCATTERING DELAYS. Astrophysical Journal, 2016, 818, 166.	4.5	57
16	THE NANOGRAV NINE-YEAR DATA SET: ASTROMETRIC MEASUREMENTS OF 37 MILLISECOND PULSARS. Astrophysical Journal, 2016, 818, 92.	4.5	54
17	PSR J1024â€“0719: A MILLISECOND PULSAR IN AN UNUSUAL LONG-PERIOD ORBIT. Astrophysical Journal, 2016, 826, 86.	4.5	45
18	THE NANOGRAV NINE-YEAR DATA SET: OBSERVATIONS, ARRIVAL TIME MEASUREMENTS, AND ANALYSIS OF 37 MILLISECOND PULSARS. Astrophysical Journal, 2015, 813, 65.	4.5	185

#	Article	IF	Citations
19	An Eccentric Binary Millisecond Pulsar in the Galactic Plane. Science, 2008, 320, 1309-1312.	12.6	152
20	Probing the Masses of the PSR J0621+1002 Binary System through Relativistic Apsidal Motion. Astrophysical Journal, 2002, 581, 509-518.	4.5	73
21	New Pulsars from an Arecibo Drift Scan Search. Astrophysical Journal, 2000, 545, 1007-1014.	4.5	68