

# Shami Chatterjee

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3773619/publications.pdf>

Version: 2024-02-01

202  
papers

22,814  
citations

12322

69  
h-index

8156

148  
g-index

206  
all docs

206  
docs citations

206  
times ranked

8659  
citing authors

#	ARTICLE	IF	CITATIONS
1	First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L1.	3.0	2,264
2	First M87 Event Horizon Telescope Results. VI. The Shadow and Mass of the Central Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L6.	3.0	897
3	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. <i>Astrophysical Journal Letters</i> , 2019, 875, L5.	3.0	814
4	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L4.	3.0	806
5	A repeating fast radio burst. <i>Nature</i> , 2016, 531, 202-205.	13.7	690
6	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. <i>Astrophysical Journal Letters</i> , 2019, 875, L2.	3.0	618
7	A direct localization of a fast radio burst and its host. <i>Nature</i> , 2017, 541, 58-61.	13.7	616
8	First Sagittarius A* Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole in the Center of the Milky Way. <i>Astrophysical Journal Letters</i> , 2022, 930, L12.	3.0	568
9	The NANOGrav 12.5Åyr Data Set: Search for an Isotropic Stochastic Gravitational-wave Background. <i>Astrophysical Journal Letters</i> , 2020, 905, L34.	3.0	528
10	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. <i>Astrophysical Journal Letters</i> , 2019, 875, L3.	3.0	519
11	The Host Galaxy and Redshift of the Repeating Fast Radio Burst FRB 121102. <i>Astrophysical Journal Letters</i> , 2017, 834, L7.	3.0	495
12	The NANOGrav 11-year Data Set: High-precision Timing of 45 Millisecond Pulsars. <i>Astrophysical Journal, Supplement Series</i> , 2018, 235, 37.	3.0	448
13	FAST RADIO BURST DISCOVERED IN THE Arecibo Pulsar ALFA Survey. <i>Astrophysical Journal</i> , 2014, 790, 101.	1.6	409
14	An extreme magneto-ionic environment associated with the fast radio burst source FRB 121102. <i>Nature</i> , 2018, 553, 182-185.	13.7	368
15	The Karl G. Jansky Very Large Array Sky Survey (VLASS). Science Case and Survey Design. <i>Publications of the Astronomical Society of the Pacific</i> , 2020, 132, 035001.	1.0	337
16	Science with ASKAP. <i>Experimental Astronomy</i> , 2008, 22, 151-273.	1.6	332
17	The International Pulsar Timing Array: First data release. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 1267-1288.	1.6	332
18	The NANOGrav 11 Year Data Set: Pulsar-timing Constraints on the Stochastic Gravitational-wave Background. <i>Astrophysical Journal</i> , 2018, 859, 47.	1.6	331

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19	Fast Radio Bursts: An Extragalactic Enigma. <i>Annual Review of Astronomy and Astrophysics</i> , 2019, 57, 417-465.	8.1	324
20	The Repeating Fast Radio Burst FRB 121102 as Seen on Milliarcsecond Angular Scales. <i>Astrophysical Journal Letters</i> , 2017, 834, L8.	3.0	300
21	First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near The Event Horizon. <i>Astrophysical Journal Letters</i> , 2021, 910, L13.	3.0	297
22	A millisecond pulsar in a stellar triple system. <i>Nature</i> , 2014, 505, 520-524.	13.7	268
23	The Vertical Structure of Warm Ionised Gas in the Milky Way. <i>Publications of the Astronomical Society of Australia</i> , 2008, 25, 184-200.	1.3	244
24	THE REPEATING FAST RADIO BURST FRB 121102: MULTI-WAVELENGTH OBSERVATIONS AND ADDITIONAL BURSTS. <i>Astrophysical Journal</i> , 2016, 833, 177.	1.6	238
25	Science with the Australian Square Kilometre Array Pathfinder. <i>Publications of the Astronomical Society of Australia</i> , 2007, 24, 174-188.	1.3	231
26	FRB 121102 Bursts Show Complex Time-Frequency Structure. <i>Astrophysical Journal Letters</i> , 2019, 876, L23.	3.0	230
27	THE NANOGRV NINE-YEAR DATA SET: LIMITS ON THE ISOTROPIC STOCHASTIC GRAVITATIONAL WAVE BACKGROUND. <i>Astrophysical Journal</i> , 2016, 821, 13.	1.6	227
28	Highest Frequency Detection of FRB 121102 at 4-8 GHz Using the Breakthrough Listen Digital Backend at the Green Bank Telescope. <i>Astrophysical Journal</i> , 2018, 863, 2.	1.6	226
29	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. <i>Astrophysical Journal Letters</i> , 2021, 910, L12.	3.0	215
30	First Sagittarius A* Event Horizon Telescope Results. VI. Testing the Black Hole Metric. <i>Astrophysical Journal Letters</i> , 2022, 930, L17.	3.0	215
31	Arecibo Pulsar Survey Using ALFA. I. Survey Strategy and First Discoveries. <i>Astrophysical Journal</i> , 2006, 637, 446-455.	1.6	205
32	The International Pulsar Timing Array: second data release. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 4666-4687.	1.6	191
33	Gravitational Test beyond the First Post-Newtonian Order with the Shadow of the M87 Black Hole. <i>Physical Review Letters</i> , 2020, 125, 141104.	2.9	190
34	First Sagittarius A* Event Horizon Telescope Results. V. Testing Astrophysical Models of the Galactic Center Black Hole. <i>Astrophysical Journal Letters</i> , 2022, 930, L16.	3.0	187
35	THE NANOGRV NINE-YEAR DATA SET: OBSERVATIONS, ARRIVAL TIME MEASUREMENTS, AND ANALYSIS OF 37 MILLISECOND PULSARS. <i>Astrophysical Journal</i> , 2015, 813, 65.	1.6	185
36	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. <i>Astrophysical Journal, Supplement Series</i> , 2019, 243, 26.	3.0	175

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37	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.	1.6	174
38	First Sagittarius A* Event Horizon Telescope Results. III. Imaging of the Galactic Center Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2022, 930, L14.	3.0	163
39	An Eccentric Binary Millisecond Pulsar in the Galactic Plane. <i>Science</i> , 2008, 320, 1309-1312.	6.0	152
40	A Multi-telescope Campaign on FRB 121102: Implications for the FRB Population. <i>Astrophysical Journal</i> , 2017, 850, 76.	1.6	148
41	First Sagittarius A* Event Horizon Telescope Results. II. EHT and Multiwavelength Observations, Data Processing, and Calibration. <i>Astrophysical Journal Letters</i> , 2022, 930, L13.	3.0	142
42	PRECISION ASTROMETRY WITH THE VERY LONG BASELINE ARRAY: PARALLAXES AND PROPER MOTIONS FOR 14 PULSARS. <i>Astrophysical Journal</i> , 2009, 698, 250-265.	1.6	137
43	First Sagittarius A* Event Horizon Telescope Results. IV. Variability, Morphology, and Black Hole Mass. <i>Astrophysical Journal Letters</i> , 2022, 930, L15.	3.0	137
44	Lensing of Fast Radio Bursts by Plasma Structures in Host Galaxies. <i>Astrophysical Journal</i> , 2017, 842, 35.	1.6	133
45	Getting Its Kicks: A VLBA Parallax for the Hyperfast Pulsar B1508+55. <i>Astrophysical Journal</i> , 2005, 630, L61-L64.	1.6	132
46	FRB 121102 Is Coincident with a Star-forming Region in Its Host Galaxy. <i>Astrophysical Journal Letters</i> , 2017, 843, L8.	3.0	130
47	A bimodal burst energy distribution of a repeating fast radio burst source. <i>Nature</i> , 2021, 598, 267-271.	13.7	129
48	A Sample of Low-energy Bursts from FRB 121102. <i>Astrophysical Journal Letters</i> , 2019, 877, L19.	3.0	120
49	PALFA Discovery of a Highly Relativistic Double Neutron Star Binary. <i>Astrophysical Journal Letters</i> , 2018, 854, L22.	3.0	119
50	Pulsar Parallaxes at 5 GHz with the Very Long Baseline Array. <i>Astrophysical Journal</i> , 2004, 604, 339-345.	1.6	107
51	PSR J1841-0500: A RADIO PULSAR THAT MOSTLY IS NOT THERE. <i>Astrophysical Journal</i> , 2012, 746, 63.	1.6	105
52	GRAVITATIONAL WAVES FROM INDIVIDUAL SUPERMASSIVE BLACK HOLE BINARIES IN CIRCULAR ORBITS: LIMITS FROM THE NORTH AMERICAN NANOHERTZ OBSERVATORY FOR GRAVITATIONAL WAVES. <i>Astrophysical Journal</i> , 2014, 794, 141.	1.6	104
53	Arecibo Pulsar Survey Using ALFA. II. The Young, Highly Relativistic Binary Pulsar J1906+0746. <i>Astrophysical Journal</i> , 2006, 640, 428-434.	1.6	103
54	The NANOGrav 11 yr Data Set: Limits on Gravitational Waves from Individual Supermassive Black Hole Binaries. <i>Astrophysical Journal</i> , 2019, 880, 116.	1.6	102

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55	A PARALLAX DISTANCE AND MASS ESTIMATE FOR THE TRANSITIONAL MILLISECOND PULSAR SYSTEM J1023+0038. <i>Astrophysical Journal Letters</i> , 2012, 756, L25.	3.0	101
56	SEARCHING FOR PULSARS USING IMAGE PATTERN RECOGNITION. <i>Astrophysical Journal</i> , 2014, 781, 117.	1.6	99
57	Simultaneous X-Ray, Gamma-Ray, and Radio Observations of the Repeating Fast Radio Burst FRB 121102. <i>Astrophysical Journal</i> , 2017, 846, 80.	1.6	99
58	The NANOGrav 12.5 yr Data Set: Observations and Narrowband Timing of 47 Millisecond Pulsars. <i>Astrophysical Journal, Supplement Series</i> , 2021, 252, 4.	3.0	98
59	A repeating fast radio burst associated with a persistent radio source. <i>Nature</i> , 2022, 606, 873-877.	13.7	98
60	A Precise Proper Motion for the Crab Pulsar, and the Difficulty of Testing Spin-Kick Alignment for Young Neutron Stars. <i>Astrophysical Journal</i> , 2008, 677, 1201-1215.	1.6	95
61	The Commensal Real-Time ASKAP Fast-Transients (CRAFT) Survey. <i>Publications of the Astronomical Society of Australia</i> , 2010, 27, 272-282.	1.3	93
62	Microarcsecond VLBI Pulsar Astrometry with PSR II. Parallax Distances for 57 Pulsars. <i>Astrophysical Journal</i> , 2019, 875, 100.	1.6	93
63	MULTIWAVELENGTH CONSTRAINTS ON PULSAR POPULATIONS IN THE GALACTIC CENTER. <i>Astrophysical Journal</i> , 2012, 753, 108.	1.6	89
64	VAST: An ASKAP Survey for Variables and Slow Transients. <i>Publications of the Astronomical Society of Australia</i> , 2013, 30, .	1.3	88
65	THE BINARY COMPANION OF YOUNG, RELATIVISTIC PULSAR J1906+0746. <i>Astrophysical Journal</i> , 2015, 798, 118.	1.6	82
66	From spin noise to systematics: stochastic processes in the first International Pulsar Timing Array data release. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 2161-2187.	1.6	82
67	Bow Shocks from Neutron Stars: Scaling Laws and Hubble Space Telescope Observations of the Guitar Nebula. <i>Astrophysical Journal</i> , 2002, 575, 407-418.	1.6	81
68	ARECIBO PULSAR SURVEY USING ALFA. IV. MOCK SPECTROMETER DATA ANALYSIS, SURVEY SENSITIVITY, AND THE DISCOVERY OF 40 PULSARS. <i>Astrophysical Journal</i> , 2015, 812, 81.	1.6	77
69	The NANOGrav Nine-year Data Set: Measurement and Analysis of Variations in Dispersion Measures. <i>Astrophysical Journal</i> , 2017, 841, 125.	1.6	76
70	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. <i>Astrophysical Journal Letters</i> , 2021, 910, L14.	3.0	67
71	Discovery of Pulsations and a Possible Spectral Feature in the X-Ray Emission from Rotating Radio Transient J1819+1458. <i>Astrophysical Journal</i> , 2007, 670, 1307-1313.	1.6	66
72	Astrophysics Milestones for Pulsar Timing Array Gravitational-wave Detection. <i>Astrophysical Journal Letters</i> , 2021, 911, L34.	3.0	66

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73	Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. <i>Nature Astronomy</i> , 2021, 5, 1017-1028.	4.2	65
74	A 22-yr southern sky survey for transient and variable radio sources using the Molonglo Observatory Synthesis Telescope. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 412, 634-664.	1.6	64
75	The NANOGrav 12.5 yr Data Set: Wideband Timing of 47 Millisecond Pulsars. <i>Astrophysical Journal, Supplement Series</i> , 2021, 252, 5.	3.0	64
76	Searching for Gravitational Waves from Cosmological Phase Transitions with the NANOGrav 12.5-Year Dataset. <i>Physical Review Letters</i> , 2021, 127, 251302.	2.9	62
77	Smashing the Guitar: An Evolving Neutron Star Bow Shock. <i>Astrophysical Journal</i> , 2004, 600, L51-L54.	1.6	58
78	Limits on radio emission from pulsar wind nebulae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 318, 58-66.	1.6	57
79	The Origin and Motion of PSR J0538+2817 in S147. <i>Astrophysical Journal</i> , 2007, 654, 487-493.	1.6	57
80	Pulsar Discovery by Global Volunteer Computing. <i>Science</i> , 2010, 329, 1305-1305.	6.0	57
81	THE NANOGrav NINE-YEAR DATA SET: MONITORING INTERSTELLAR SCATTERING DELAYS. <i>Astrophysical Journal</i> , 2016, 818, 166.	1.6	57
82	Three-dimensional hydrodynamic simulations of asymmetric pulsar wind bow shocks. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 374, 793-808.	1.6	56
83	Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2021, 911, L11.	3.0	56
84	NANOGrav CONSTRAINTS ON GRAVITATIONAL WAVE BURSTS WITH MEMORY. <i>Astrophysical Journal</i> , 2015, 810, 150.	1.6	54
85	THE NANOGrav NINE-YEAR DATA SET: EXCESS NOISE IN MILLISECOND PULSAR ARRIVAL TIMES. <i>Astrophysical Journal</i> , 2017, 834, 35.	1.6	54
86	Event Horizon Telescope imaging of the archetypal blazar 3C 279 at an extreme 20 microarcsecond resolution. <i>Astronomy and Astrophysics</i> , 2020, 640, A69.	2.1	54
87	Discovery of the X-Ray Counterpart to the Rotating Radio Transient J1819-1458. <i>Astrophysical Journal</i> , 2006, 639, L71-L74.	1.6	53
88	THE EINSTEIN@HOME SEARCH FOR RADIO PULSARS AND PSR J2007+2722 DISCOVERY. <i>Astrophysical Journal</i> , 2013, 773, 91.	1.6	53
89	EINSTEIN@HOME DISCOVERY OF A DOUBLE NEUTRON STAR BINARY IN THE PALFA SURVEY. <i>Astrophysical Journal</i> , 2016, 831, 150.	1.6	52
90	VLBA Measurement of the Transverse Velocity of the Magnetar XTE J1810-197. <i>Astrophysical Journal</i> , 2007, 662, 1198-1203.	1.6	52

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91	A Second Chromatic Timing Event of Interstellar Origin toward PSR J1713+0747. <i>Astrophysical Journal</i> , 2018, 861, 132.	1.6	51
92	A pulsar-based time-scale from the International Pulsar Timing Array. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 5951-5965.	1.6	51
93	Monitoring the Morphology of M87* in 2009â€“2017 with the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020, 901, 67.	1.6	51
94	Modeling the Uncertainties of Solar System Ephemerides for Robust Gravitational-wave Searches with Pulsar-timing Arrays. <i>Astrophysical Journal</i> , 2020, 893, 112.	1.6	49
95	peace: pulsar evaluation algorithm for candidate extraction â€“ a software package for post-analysis processing of pulsar survey candidates. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 433, 688-694.	1.6	48
96	Parallax and Kinematics of PSR B0919+06 from VLBA Astrometry and Interstellar Scintillometry. <i>Astrophysical Journal</i> , 2001, 550, 287-296.	1.6	47
97	THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020, 897, 139.	1.6	47
98	THE NANOGRV NINE-YEAR DATA SET: NOISE BUDGET FOR PULSAR ARRIVAL TIMES ON INTRADAY TIMESCALES. <i>Astrophysical Journal</i> , 2016, 819, 155.	1.6	45
99	Verification of Radiative Transfer Schemes for the EHT. <i>Astrophysical Journal</i> , 2020, 897, 148.	1.6	44
100	TWO LONG-TERM INTERMITTENT PULSARS DISCOVERED IN THE PALFA SURVEY. <i>Astrophysical Journal</i> , 2017, 834, 72.	1.6	43
101	Binary Pulsar Distances and Velocities from Gaia Data Release 2. <i>Astrophysical Journal</i> , 2018, 864, 26.	1.6	43
102	The Polarized Image of a Synchrotron-emitting Ring of Gas Orbiting a Black Hole. <i>Astrophysical Journal</i> , 2021, 912, 35.	1.6	43
103	Millimeter Light Curves of Sagittarius A* Observed during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2022, 930, L19.	3.0	43
104	TIMING OF FIVE MILLISECOND PULSARS DISCOVERED IN THE PALFA SURVEY. <i>Astrophysical Journal</i> , 2015, 800, 123.	1.6	40
105	A Radio Source Coincident with the Superluminous Supernova PTF10hgi: Evidence for a Central Engine and an Analog of the Repeating FRB 121102?. <i>Astrophysical Journal Letters</i> , 2019, 876, L10.	3.0	40
106	Sub-Milliarcsecond Precision of Pulsar Motions: Using In-Beam Calibrators with the VLBA. <i>Astronomical Journal</i> , 1999, 117, 3025-3030.	1.9	40
107	SYSTEMATIC AND STOCHASTIC VARIATIONS IN PULSAR DISPERSION MEASURES. <i>Astrophysical Journal</i> , 2016, 821, 66.	1.6	39
108	A CLEAN-based Method for Deconvolving Interstellar Pulse Broadening from Radio Pulses. <i>Astrophysical Journal</i> , 2003, 584, 782-790.	1.6	38

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109	Asymmetric mass ratios for bright double neutron-star mergers. <i>Nature</i> , 2020, 583, 211-214.	13.7	38
110	A 24 HR GLOBAL CAMPAIGN TO ASSESS PRECISION TIMING OF THE MILLISECOND PULSAR J1713+0747. <i>Astrophysical Journal</i> , 2014, 794, 21.	1.6	37
111	Sub-second periodicity in a fast radio burst. <i>Nature</i> , 2022, 607, 256-259.	13.7	37
112	ASSESSING PULSAR TIMING ARRAY SENSITIVITY TO GRAVITATIONAL WAVE BURSTS WITH MEMORY. <i>Astrophysical Journal</i> , 2014, 788, 141.	1.6	36
113	Studying the Solar system with the International Pulsar Timing Array. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 5501-5516.	1.6	36
114	The NANOGrav 11 yr Data Set: Limits on Gravitational Wave Memory. <i>Astrophysical Journal</i> , 2020, 889, 38.	1.6	36
115	DISCOVERY OF EXTENDED X-RAY EMISSION AROUND THE HIGHLY MAGNETIC RRAT J1819-1458. <i>Astrophysical Journal</i> , 2009, 703, L41-L45.	1.6	35
116	PALFA Single-pulse Pipeline: New Pulsars, Rotating Radio Transients, and a Candidate Fast Radio Burst. <i>Astrophysical Journal</i> , 2018, 869, 181.	1.6	35
117	Detection of Bursts from FRB 121102 with the Effelsberg 100 m Radio Telescope at 5 GHz and the Role of Scintillation. <i>Astrophysical Journal</i> , 2018, 863, 150.	1.6	34
118	The Breakthrough Listen Search For Intelligent Life Near the Galactic Center. I. <i>Astronomical Journal</i> , 2021, 162, 33.	1.9	34
119	SPATIAL, TEMPORAL, AND SPECTRAL PROPERTIES OF X-RAY EMISSION FROM THE MAGNETAR SGR 0501+4516. <i>Astrophysical Journal</i> , 2010, 722, 899-908.	1.6	33
120	A PROPER MOTION FOR THE PULSAR WIND NEBULA G359.23-0.82, THE "MOUSE," ASSOCIATED WITH THE ENERGETIC RADIO PULSAR J1747-2958. <i>Astrophysical Journal</i> , 2009, 706, 1316-1322.	1.6	31
121	Electron Density Structure of the Local Galactic Disk. <i>Astrophysical Journal</i> , 2020, 897, 124.	1.6	31
122	AN EXTREME PULSAR TAIL PROTRUDING FROM THE FRYING PAN SUPERNOVA REMNANT. <i>Astrophysical Journal</i> , 2012, 746, 105.	1.6	30
123	MICROARCSECOND VLBI PULSAR ASTROMETRY WITH PSR 1509-58. I. TWO BINARY MILLISECOND PULSARS WITH WHITE DWARF COMPANIONS. <i>Astrophysical Journal</i> , 2016, 828, 8.	1.6	30
124	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.	1.6	30
125	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.	3.0	30
126	Revisiting the birth locations of pulsars B1929+10, B2020+28, and B2021+51. <i>Astronomy and Astrophysics</i> , 2015, 577, A111.	2.1	29



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127	TWO MILLISECOND PULSARS DISCOVERED BY THE PALFA SURVEY AND A SHAPIRO DELAY MEASUREMENT. <i>Astrophysical Journal</i> , 2012, 757, 89.	1.6	29
128	Proper Motions of PSRs B1757+24 and B1951+32: Implications for Ages and Associations. <i>Astrophysical Journal</i> , 2008, 674, 271-277.	1.6	28
129	TIMING AND INTERSTELLAR SCATTERING OF 35 DISTANT PULSARS DISCOVERED IN THE PALFA SURVEY. <i>Astrophysical Journal</i> , 2013, 772, 50.	1.6	28
130	The NANOGrav 11 yr Data Set: Evolution of Gravitational-wave Background Statistics. <i>Astrophysical Journal</i> , 2020, 890, 108.	1.6	28
131	The Implementation of a Fast-folding Pipeline for Long-period Pulsar Searching in the PALFA Survey. <i>Astrophysical Journal</i> , 2018, 861, 44.	1.6	27
132	Constraining Galaxy Halos from the Dispersion and Scattering of Fast Radio Bursts and Pulsars. <i>Astrophysical Journal</i> , 2021, 911, 102.	1.6	27
133	PULSAR TIMING ERRORS FROM ASYNCHRONOUS MULTI-FREQUENCY SAMPLING OF DISPERSION MEASURE VARIATIONS. <i>Astrophysical Journal</i> , 2015, 801, 130.	1.6	26
134	ARECIBO PALFA SURVEY AND EINSTEIN@HOME: BINARY PULSAR DISCOVERY BY VOLUNTEER COMPUTING. <i>Astrophysical Journal Letters</i> , 2011, 732, L1.	3.0	25
135	EINSTEIN@HOME DISCOVERY OF A PALFA MILLISECOND PULSAR IN AN ECCENTRIC BINARY ORBIT. <i>Astrophysical Journal</i> , 2015, 806, 140.	1.6	25
136	TIMING OF 29 PULSARS DISCOVERED IN THE PALFA SURVEY. <i>Astrophysical Journal</i> , 2017, 834, 137.	1.6	25
137	Optimal Frequency Ranges for Submicrosecond Precision Pulsar Timing. <i>Astrophysical Journal</i> , 2018, 861, 12.	1.6	25
138	PSR B1951+32: A Bow Shock-confined X-Ray Nebula, a Synchrotron Knot, and an Optical Counterpart Candidate. <i>Astrophysical Journal</i> , 2004, 610, L33-L36.	1.6	24
139	The NANOGrav 11 yr Data Set: Solar Wind Sounding through Pulsar Timing. <i>Astrophysical Journal</i> , 2019, 872, 150.	1.6	22
140	Separated at Birth: The Origin of the Pulsars B2020+28 and B2021+51 in the Cygnus Superbubble. <i>Astrophysical Journal</i> , 2004, 610, 402-410.	1.6	21
141	OUT OF THE FRYING PAN: A YOUNG PULSAR WITH A LONG RADIO TRAIL EMERGING FROM SNR G315.9-0.0. <i>Astrophysical Journal</i> , 2009, 703, L55-L58.	1.6	21
142	THE BENEFITS OF VLBI ASTROMETRY TO PULSAR TIMING ARRAY SEARCHES FOR GRAVITATIONAL RADIATION. <i>Astrophysical Journal</i> , 2013, 777, 104.	1.6	21
143	Mass Measurements for Two Binary Pulsars Discovered in the PALFA Survey. <i>Astrophysical Journal</i> , 2019, 881, 165.	1.6	21
144	The NANOGrav 11 yr Data Set: Limits on Supermassive Black Hole Binaries in Galaxies within 500 Mpc. <i>Astrophysical Journal</i> , 2021, 914, 121.	1.6	21

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145	Selective Dynamical Imaging of Interferometric Data. <i>Astrophysical Journal Letters</i> , 2022, 930, L18.	3.0	21
146	Persistent plasma waves in interstellar space detected by Voyager 1. <i>Nature Astronomy</i> , 2021, 5, 761-765.	4.2	20
147	Characterizing and Mitigating Intraday Variability: Reconstructing Source Structure in Accreting Black Holes with mm-VLBI. <i>Astrophysical Journal Letters</i> , 2022, 930, L21.	3.0	20
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