

Paul S Ray

List of Publications by Year in descending order

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222
papers

16,965
citations

18482

62
h-index

15732

125
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224
docs citations

224
times ranked

6914
citing authors

#	ARTICLE	IF	CITATIONS
1	PSR J0030+0451 Mass and Radius from NICER Data and Implications for the Properties of Neutron Star Matter. <i>Astrophysical Journal Letters</i> , 2019, 887, L24.	8.3	978
2	A NICER View of PSR J0030+0451: Millisecond Pulsar Parameter Estimation. <i>Astrophysical Journal Letters</i> , 2019, 887, L21.	8.3	914
3	FERMI LARGE AREA TELESCOPE FIRST SOURCE CATALOG. <i>Astrophysical Journal, Supplement Series</i> , 2010, 188, 405-436.	7.7	851
4	THE SECOND <i>FERMI</i> LARGE AREA TELESCOPE CATALOG OF GAMMA-RAY PULSARS. <i>Astrophysical Journal, Supplement Series</i> , 2013, 208, 17.	7.7	693
5	The Radius of PSR J0740+6620 from NICER and XMM-Newton Data. <i>Astrophysical Journal Letters</i> , 2021, 918, L28.	8.3	556
6	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
7	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
8	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
9	Refined Mass and Geometric Measurements of the High-mass PSR J0740+6620. <i>Astrophysical Journal Letters</i> , 2021, 915, L12.	8.3	416
10	THE FIRST <i>FERMI</i> LARGE AREA TELESCOPE CATALOG OF GAMMA-RAY PULSARS. <i>Astrophysical Journal, Supplement Series</i> , 2010, 187, 460-494.	7.7	396
11	FERMI/LARGE AREA TELESCOPE BRIGHT GAMMA-RAY SOURCE LIST. <i>Astrophysical Journal, Supplement Series</i> , 2009, 183, 46-66.	7.7	394
12	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
13	Gamma-Ray Flares from the Crab Nebula. <i>Science</i> , 2011, 331, 739-742.	12.6	297
14	Spacecraft Navigation Using X-Ray Pulsars. <i>Journal of Guidance, Control, and Dynamics</i> , 2006, 29, 49-63.	2.8	280
15	Detection of 16 Gamma-Ray Pulsars Through Blind Frequency Searches Using the Fermi LAT. <i>Science</i> , 2009, 325, 840-844.	12.6	264
16	<i>FERMI</i> LARGE AREA TELESCOPE OBSERVATIONS OF THE CRAB PULSAR AND NEBULA. <i>Astrophysical Journal</i> , 2010, 708, 1254-1267.	4.5	237
17	PRECISE $\hat{\gamma}$ -RAY TIMING AND RADIO OBSERVATIONS OF 17 <i>FERMI</i> $\hat{\gamma}$ -RAY PULSARS. <i>Astrophysical Journal, Supplement Series</i> , 2011, 194, 17.	7.7	195
18	Modulated High-Energy Gamma-Ray Emission from the Microquasar Cygnus X-3. <i>Science</i> , 2009, 326, 1512-1516.	12.6	193

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19	A Population of Gamma-Ray Millisecond Pulsars Seen with the Fermi Large Area Telescope. <i>Science</i> , 2009, 325, 848-852.	12.6	190
20	The enhanced X-ray Timing and Polarimetry mission "eXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	5.1	178
21	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
22	The Large Observatory for X-ray Timing (LOFT). <i>Experimental Astronomy</i> , 2012, 34, 415-444.	3.7	168
23	Gamma-Ray Emission Concurrent with the Nova in the Symbiotic Binary V407 Cygni. <i>Science</i> , 2010, 329, 817-821.	12.6	165
24	The Long-Term Evolution of the Spin, Pulse Shape, and Orbit of the Accretion-Powered Millisecond Pulsar SAX J1808.4-3658. <i>Astrophysical Journal</i> , 2008, 675, 1468-1486.	4.5	163
25	A powerful bursting radio source towards the Galactic Centre. <i>Nature</i> , 2005, 434, 50-52.	27.8	133
26	THREE MILLISECOND PULSARS IN <i>FERMI</i> LAT UNASSOCIATED BRIGHT SOURCES. <i>Astrophysical Journal Letters</i> , 2011, 727, L16.	8.3	133
27	DISCOVERY OF HIGH-ENERGY GAMMA-RAY EMISSION FROM THE BINARY SYSTEM PSR B1259-63/LS 2883 AROUND PERIASTRON WITH <i>FERMI</i> . <i>Astrophysical Journal Letters</i> , 2011, 736, L11.	8.3	130
28	GRAVITATIONAL WAVES FROM KNOWN PULSARS: RESULTS FROM THE INITIAL DETECTOR ERA. <i>Astrophysical Journal</i> , 2014, 785, 119.	4.5	125
29	EIGHT γ -RAY PULSARS DISCOVERED IN BLIND FREQUENCY SEARCHES OF <i>FERMI</i> LAT DATA. <i>Astrophysical Journal</i> , 2010, 725, 571-584.	4.5	124
30	DISCOVERY OF PSR J1227-4853: A TRANSITION FROM A LOW-MASS X-RAY BINARY TO A REDBACK MILLISECOND PULSAR. <i>Astrophysical Journal Letters</i> , 2015, 800, L12.	8.3	122
31	<i>FERMI</i> LAT OBSERVATIONS OF LS I +61 \circ 303: FIRST DETECTION OF AN ORBITAL MODULATION IN GeV GAMMA RAYS. <i>Astrophysical Journal</i> , 2009, 701, L123-L128.	4.5	119
32	<i>FERMI</i> /LAT OBSERVATIONS OF LS 5039. <i>Astrophysical Journal</i> , 2009, 706, L56-L61.	4.5	119
33	DISCOVERY OF THE OPTICAL COUNTERPARTS TO FOUR ENERGETIC <i>FERMI</i> MILLISECOND PULSARS. <i>Astrophysical Journal</i> , 2013, 769, 108.	4.5	118
34	FIRST LIGHT FOR THE FIRST STATION OF THE LONG WAVELENGTH ARRAY. <i>Journal of Astronomical Instrumentation</i> , 2012, 01, .	1.5	116
35	The binary nature of PSR J2032+4127. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 581-587.	4.4	116
36	The LWA1 Radio Telescope. <i>IEEE Transactions on Antennas and Propagation</i> , 2013, 61, 2540-2549.	5.1	110

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37	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
38	RADIO DETECTION OF LAT PSRs J1741-2054 AND J2032+4127: NO LONGER JUST GAMMA-RAY PULSARS. <i>Astrophysical Journal</i> , 2009, 705, 1-13.	4.5	107
39	An Empirical Background Model for the NICER X-Ray Timing Instrument. <i>Astronomical Journal</i> , 2022, 163, 130.	4.7	103
40	THE ORBITS OF THE $\dot{\gamma}$ -RAY BINARIES LS I +61 303 AND LS 5039. <i>Astrophysical Journal</i> , 2009, 698, 514-518.	4.5	102
41	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
42	A STATISTICAL APPROACH TO RECOGNIZING SOURCE CLASSES FOR UNASSOCIATED SOURCES IN THE FIRST $\dot{\gamma}$ -RAY LAT CATALOG. <i>Astrophysical Journal</i> , 2012, 753, 83.	4.5	100
43	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
44	A NICER View of PSR J0030+0451: Evidence for a Global-scale Multipolar Magnetic Field. <i>Astrophysical Journal Letters</i> , 2019, 887, L23.	8.3	97
45	THE VELA PULSAR: RESULTS FROM THE FIRST YEAR OF $\dot{\gamma}$ -RAY LAT OBSERVATIONS. <i>Astrophysical Journal</i> , 2010, 713, 154-165.	4.5	96
46	NICER and Fermi GBM Observations of the First Galactic Ultraluminous X-Ray Pulsar Swift J0243.6+6124. <i>Astrophysical Journal</i> , 2018, 863, 9.	4.5	95
47	Binary Millisecond Pulsar Discovery via Gamma-Ray Pulsations. <i>Science</i> , 2012, 338, 1314-1317.	12.6	92
48	EGRET Observations of the Gamma-Ray Source 2CG 135+01. <i>Astrophysical Journal</i> , 1997, 486, 126-131.	4.5	91
49	The Fermi Gamma-Ray Space Telescope Discovers the Pulsar in the Young Galactic Supernova Remnant CTA 1. <i>Science</i> , 2008, 322, 1218-1221.	12.6	87
50	DISCOVERY OF NINE GAMMA-RAY PULSARS IN $\dot{\gamma}$ -RAY LARGE AREA TELESCOPE DATA USING A NEW BLIND SEARCH METHOD. <i>Astrophysical Journal</i> , 2012, 744, 105.	4.5	85
51	Discovery of millisecond pulsars in radio searches of southern Fermi Large Area Telescope sources. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 414, 1292-1300.	4.4	77
52	PARKES RADIO SEARCHES OF $\dot{\gamma}$ -RAY SOURCES AND MILLISECOND PULSAR DISCOVERIES. <i>Astrophysical Journal</i> , 2015, 810, 85.	4.5	76
53	X-RAY OBSERVATIONS OF BLACK WIDOW PULSARS. <i>Astrophysical Journal</i> , 2014, 783, 69.	4.5	75
54	PSR J1907+0602: A RADIO-FAINT GAMMA-RAY PULSAR POWERING A BRIGHT TeV PULSAR WIND NEBULA. <i>Astrophysical Journal</i> , 2010, 711, 64-74.	4.5	72

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55	CONSTRAINTS ON THE EMISSION GEOMETRIES AND SPIN EVOLUTION OF GAMMA-RAY MILLISECOND PULSARS. <i>Astrophysical Journal, Supplement Series</i> , 2014, 213, 6.	7.7	72
56	DISCOVERY OF TWO MILLISECOND PULSARS IN <i>FERMI</i> SOURCES WITH THE NANOGRAV RADIO TELESCOPE. <i>Astrophysical Journal</i> , 2011, 732, 47.	4.5	66
57	Astrophysics Milestones for Pulsar Timing Array Gravitational-wave Detection. <i>Astrophysical Journal Letters</i> , 2021, 911, L34.	8.3	66
58	A Programmable 36-MHz Digital Filter Bank for Radio Science. <i>Publications of the Astronomical Society of the Pacific</i> , 1997, 109, 61.	3.1	66
59	Fermi Detection of a Luminous $\hat{\gamma}$ -Ray Pulsar in a Globular Cluster. <i>Science</i> , 2011, 334, 1107-1110.	12.6	65
60	PULSED GAMMA RAYS FROM THE ORIGINAL MILLISECOND AND BLACK WIDOW PULSARS: A CASE FOR CAUSTIC RADIO EMISSION?. <i>Astrophysical Journal</i> , 2012, 744, 33.	4.5	65
61	Simultaneous X-ray and Radio Monitoring of the Unusual Binary LS I +61o303: Measurements of the Light Curve and High Energy Spectrum. <i>Astrophysical Journal</i> , 2000, 528, 454-461.	4.5	65
62	<i>FERMI</i> LARGE AREA TELESCOPE OBSERVATIONS OF THE VELA-X PULSAR WIND NEBULA. <i>Astrophysical Journal</i> , 2010, 713, 146-153.	4.5	64
63	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
64	PULSAR OBSERVATIONS USING THE FIRST STATION OF THE LONG WAVELENGTH ARRAY AND THE LWA PULSAR DATA ARCHIVE. <i>Astrophysical Journal</i> , 2015, 808, 156.	4.5	63
65	PSR J2021+4026 IN THE GAMMA CYGNI REGION: THE FIRST VARIABLE $\hat{\gamma}$ -RAY PULSAR SEEN BY THE <i>Fermi</i> LAT. <i>Astrophysical Journal Letters</i> , 2013, 777, L2.	8.3	62
66	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
67	Further X-ray observations of EXO 0748 $\hat{\gamma}$ 676 in quiescence: evidence for a cooling neutron star crust. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 412, 1409-1418.	4.4	61
68	<i>FERMI</i> -LAT SEARCH FOR PULSAR WIND NEBULAE AROUND GAMMA-RAY PULSARS. <i>Astrophysical Journal</i> , 2011, 726, 35.	4.5	60
69	PINT: A Modern Software Package for Pulsar Timing. <i>Astrophysical Journal</i> , 2021, 911, 45.	4.5	58
70	<i>FERMI</i> -LAT OBSERVATIONS OF THE GEMINGA PULSAR. <i>Astrophysical Journal</i> , 2010, 720, 272-283.	4.5	57
71	LOFAR Discovery of the Fastest-spinning Millisecond Pulsar in the Galactic Field. <i>Astrophysical Journal Letters</i> , 2017, 846, L20.	8.3	55
72	FIVE NEW MILLISECOND PULSARS FROM A RADIO SURVEY OF 14 UNIDENTIFIED <i>FERMI</i> -LAT GAMMA-RAY SOURCES. <i>Astrophysical Journal Letters</i> , 2012, 748, L2.	8.3	53

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73	GMRT DISCOVERY OF PSR J1544+4937: AN ECLIPSING BLACK-WIDOW PULSAR IDENTIFIED WITH A <i>FERMI</i> -LAT SOURCE. <i>Astrophysical Journal Letters</i> , 2013, 773, L12.	8.3	53
74	BROADBAND PULSATIONS FROM PSR B1821â€“24: IMPLICATIONS FOR EMISSION MODELS AND THE PULSAR POPULATION OF M28. <i>Astrophysical Journal</i> , 2013, 778, 106.	4.5	53
75	Six millisecond pulsars detected by the Fermi Large Area Telescope and the radio/gamma-ray connection of millisecond pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 430, 571-587.	4.4	52
76	A Wide-Band, Active Antenna System for Long Wavelength Radio Astronomy. <i>Publications of the Astronomical Society of the Pacific</i> , 2012, 124, 1090-1104.	3.1	50
77	TIMING GAMMA-RAY PULSARS WITH THE <i>FERMI</i> -LARGE AREA TELESCOPE: TIMING NOISE AND ASTROMETRY. <i>Astrophysical Journal</i> , 2015, 814, 128.	4.5	50
78	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
79	Pulsar searches of Fermi unassociated sources with the Effelsberg telescope. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 429, 1633-1642.	4.4	46
80	RADIO DETECTION OF THE <i>FERMI</i> -LAT BLIND SEARCH MILLISECOND PULSAR J1311â€“3430. <i>Astrophysical Journal Letters</i> , 2013, 763, L13.	8.3	45
81	NICER X-Ray Observations of Seven Nearby Rotation-powered Millisecond Pulsars. <i>Astrophysical Journal Letters</i> , 2019, 887, L27.	8.3	45
82	PSR J1024â€“0719: A MILLISECOND PULSAR IN AN UNUSUAL LONG-PERIOD ORBIT. <i>Astrophysical Journal</i> , 2016, 826, 86.	4.5	45
83	GCRT J1742-3001: A NEW RADIO TRANSIENT TOWARD THE GALACTIC CENTER. <i>Astrophysical Journal</i> , 2009, 696, 280-286.	4.5	42
84	Discovery of a Gamma-Ray Black Widow Pulsar by GPU-accelerated Einstein@Home. <i>Astrophysical Journal Letters</i> , 2020, 902, L46.	8.3	42
85	Discovery of the millisecond pulsar PSR J2043+1711 in a Fermi source with the NanÃ§ay Radio Telescope. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 422, 1294-1305.	4.4	41
86	NGC 300 ULX1: spin evolution, super-Eddington accretion, and outflows. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 5225-5231.	4.4	41
87	ECLIPSE TIMINGS OF THE TRANSIENT LOW-MASS X-RAY BINARY EXO 0748â€“676. IV. THE <i>ROSSI X-RAY TIMING EXPLORER</i> ECLIPSES. <i>Astrophysical Journal, Supplement Series</i> , 2009, 183, 156-170.	7.7	40
88	DISCOVERY OF GAMMA-RAY PULSATIONS FROM THE TRANSITIONAL REDBACK PSR J1227-4853. <i>Astrophysical Journal</i> , 2015, 806, 91.	4.5	40
89	MULTIWAVELENGTH OBSERVATIONS OF THE REDBACK MILLISECOND PULSAR J1048+2339. <i>Astrophysical Journal</i> , 2016, 823, 105.	4.5	40
90	<i>Chandra</i> and <i>Swift</i> observations of the quasi-persistent neutron star transient EXO 0748â€“676 back to quiescence. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2009, 396, L26-L30.	3.3	39

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91	PSR J1838-0537: DISCOVERY OF A YOUNG, ENERGETIC GAMMA-RAY PULSAR. <i>Astrophysical Journal Letters</i> , 2012, 755, L20.	8.3	39
92	A Survey for Millisecond Pulsars. <i>Astrophysical Journal</i> , 1996, 470, 1103.	4.5	39
93	The 2019 super-Eddington outburst of RX J0209.6-7427: detection of pulsations and constraints on the magnetic field strength. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 5350-5359.	4.4	38
94	Long-Term Flux Monitoring of LSI +61o303 at 2.25 and 8.3 GHz. <i>Astrophysical Journal</i> , 1997, 491, 381-387.	4.5	38
95	SURVEYING THE DYNAMIC RADIO SKY WITH THE LONG WAVELENGTH DEMONSTRATOR ARRAY. <i>Astronomical Journal</i> , 2010, 140, 1995-2006.	4.7	37
96	THE GMRT HIGH-RESOLUTION SOUTHERN SKY SURVEY FOR PULSARS AND TRANSIENTS. I. SURVEY DESCRIPTION AND INITIAL DISCOVERIES. <i>Astrophysical Journal</i> , 2016, 817, 130.	4.5	37
97	SIX NEW MILLISECOND PULSARS FROM ARECIBO SEARCHES OF FERMI GAMMA-RAY SOURCES. <i>Astrophysical Journal</i> , 2016, 819, 34.	4.5	37
98	The gamma-ray millisecond pulsar deathline, revisited. <i>Astronomy and Astrophysics</i> , 2016, 587, A109.	5.1	37
99	The NANOGrav 11 yr Data Set: Limits on Gravitational Wave Memory. <i>Astrophysical Journal</i> , 2020, 889, 38.	4.5	36
100	USA Experiment and [ITAL]RXTE[/ITAL] Observations of a Variable Low-Frequency Quasi-periodic Oscillation in XTE J1118+480. <i>Astrophysical Journal</i> , 2000, 544, L45-L48.	4.5	36
101	EINSTEIN@HOME DISCOVERY OF FOUR YOUNG GAMMA-RAY PULSARS IN <i>FERMI</i> LAT DATA. <i>Astrophysical Journal Letters</i> , 2013, 779, L11.	8.3	34
102	A Pulsar Survey of 18 Supernova Remnants. <i>Astrophysical Journal</i> , 1996, 458, 257.	4.5	34
103	<i>FERMI</i> LARGE AREA TELESCOPE OBSERVATIONS OF PSR J1836+5925. <i>Astrophysical Journal</i> , 2010, 712, 1209-1218.	4.5	33
104	A Multiwavelength Investigation of the Relationship between 2CG 135+1 and LSI +61o303. <i>Astrophysical Journal</i> , 1998, 497, 419-430.	4.5	33
105	Eclipse Timings of the Low-Mass X-Ray Binary EXO 0748-676. III. Orbital Period Jitter Observed with the Unconventional Stellar Aspect Experiment and the Rossi X-Ray Timing Explorer. <i>Astrophysical Journal</i> , 2002, 575, 384-396.	4.5	32
106	X-RAY PULSATIONS FROM THE RADIO-QUIET GAMMA-RAY PULSAR IN CTA 1. <i>Astrophysical Journal Letters</i> , 2010, 725, L6-L10.	8.3	32
107	Observation of X-Ray Variability in the BL Lacertae Object 1ES 1959+65. <i>Astrophysical Journal</i> , 2002, 571, 763-770.	4.5	32
108	THE LONG WAVELENGTH ARRAY SOFTWARE LIBRARY. <i>Journal of Astronomical Instrumentation</i> , 2012, 01, .	1.5	31

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109	NICER Discovers the Ultracompact Orbit of the Accreting Millisecond Pulsar IGR J17062-6143. <i>Astrophysical Journal Letters</i> , 2018, 858, L13.	8.3	31
110	Broadband X-ray burst spectroscopy of the fast-radio-burst-emitting Galactic magnetar. <i>Nature Astronomy</i> , 2021, 5, 408-413.	10.1	31
111	Long-Term X-Ray Variability of Circinus 1. <i>Astrophysical Journal</i> , 2003, 595, 333-341.	4.5	30
112	PSR J0007+7303 IN THE CTA1 SUPERNOVA REMNANT: NEW GAMMA-RAY RESULTS FROM TWO YEARS OF <i>FERMI</i> LARGE AREA TELESCOPE OBSERVATIONS. <i>Astrophysical Journal</i> , 2012, 744, 146.	4.5	30
113	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
114	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
115	The low-frequency array (LOFAR): opening a new window on the universe. <i>Planetary and Space Science</i> , 2004, 52, 1343-1349.	1.7	29
116	PSRs J0248+6021 and J2240+5832: young pulsars in the northern Galactic plane. <i>Astronomy and Astrophysics</i> , 2011, 525, A94.	5.1	29
117	LOFT: the Large Observatory For X-ray Timing. <i>Proceedings of SPIE</i> , 2012, , .	0.8	29
118	An image-based search for pulsars among Fermi unassociated LAT sources. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 942-954.	4.4	29
119	A Search for Radio-quiet Gamma-ray Pulsars. <i>Astrophysical Journal</i> , 2001, 556, 59-69.	4.5	29
120	The NANOGrav 11 yr Data Set: Evolution of Gravitational-wave Background Statistics. <i>Astrophysical Journal</i> , 2020, 890, 108.	4.5	28
121	VARIABILITY IN THE ORBITAL PROFILES OF THE X-RAY EMISSION OF THE $\hat{\beta}$ -RAY BINARY LS I +61 $\hat{\text{A}}^{\circ}$ 303. <i>Astrophysical Journal Letters</i> , 2010, 719, L104-L108.	8.3	27
122	DISCOVERY OF A MILLISECOND PULSAR IN THE 5.4 DAY BINARY 3FGL J1417.5-4402: OBSERVING THE LATE PHASE OF PULSAR RECYCLING. <i>Astrophysical Journal</i> , 2016, 820, 6.	4.5	27
123	A Luminous and Highly Variable Gamma-Ray Flare Following the 2017 Periastron of PSR B1259-63/LS 2883. <i>Astrophysical Journal</i> , 2018, 863, 27.	4.5	27
124	<i>NuSTAR</i> and NICER reveal IGR J17591-2342 as a new accreting millisecond X-ray pulsar. <i>Astronomy and Astrophysics</i> , 2018, 617, L8.	5.1	27
125	X-Ray and Optical Studies of the Redback System PSR J2129-0429. <i>Astrophysical Journal</i> , 2018, 861, 89.	4.5	27
126	Constraining the Neutron Star Mass-Radius Relation and Dense Matter Equation of State with NICER. III. Model Description and Verification of Parameter Estimation Codes. <i>Astrophysical Journal Letters</i> , 2021, 914, L15.	8.3	27

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127	Disk Diffusion Propagation Model for the Outburst of XTE J1118+480. <i>Astrophysical Journal</i> , 2001, 563, 246-254.	4.5	27
128	LONG-TERM X-RAY MONITORING OF LS I +61 ^o 303: ANALYSIS OF SPECTRAL VARIABILITY AND FLARES. <i>Astrophysical Journal</i> , 2011, 733, 89.	4.5	26
129	A HIGHLY ECCENTRIC 3.9 MILLISECOND BINARY PULSAR IN THE GLOBULAR CLUSTER NGC 6652. <i>Astrophysical Journal Letters</i> , 2015, 807, L23.	8.3	26
130	The Orbit of the High-Mass X-ray Binary Pulsar 1E 1145.1-6141. <i>Astrophysical Journal</i> , 2002, 581, 1293-1296.	4.5	25
131	A Strong X-ray Burst from the Low-Mass X-ray Binary EXO 0748-676. <i>Astrophysical Journal</i> , 2005, 632, 1099-1103.	4.5	25
132	Anti-glitches in the Ultraluminous Accreting Pulsar NGC 300 ULX-1 Observed with NICER. <i>Astrophysical Journal</i> , 2019, 879, 130.	4.5	25
133	The SURvey for Pulsars and Extragalactic Radio Bursts – IV. Discovery and polarimetry of a 12.1-s radio pulsar. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 1165-1177.	4.4	25
134	FAST discovery of an extremely radio-faint millisecond pulsar from the Fermi-LAT unassociated source 3FGL J0318.1+0252. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021, 64, 1.	5.1	25
135	A New Radio Detection of the Transient Bursting Source GCRT J1745-3009. <i>Astrophysical Journal</i> , 2006, 639, 348-353.	4.5	24
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