Slavko Bogdanov

List of Publications by Year
in descending order

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107	11,004	41344	29157
papers	citations	49 h-index	104 g-index

110	110	110	4547
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Detection of Red Noise in PSR J1824â€“2452A and Projections for PSR B1937+21 Using NICER X-Ray Timing Data. Astrophysical Journal, 2022, 928, 67.	4.5	3
2	Enhanced x-ray emission coinciding with giant radio pulses from the Crab Pulsar. Science, 2021, 372, 187-190.	12.6	13
3	A Deep Chandra X-Ray Observatory Study of the Millisecond Pulsar Population in the Globular Cluster Terzan 5. Astrophysical Journal, 2021, 912, 124.	4.5	14
4	Constraining the Neutron Star Massâ€“Radius Relation and Dense Matter Equation of State with NICER. III. Model Description and Verification of Parameter Estimation Codes. Astrophysical Journal Letters, 2021, 914, L15.	8.3	27
5	The Radius of PSR J0740+6620 from NICER and XMM-Newton Data. Astrophysical Journal Letters, 2021, 918, L28.	8.3	556
6	NICER Detection of Thermal X-Ray Pulsations from the Massive Millisecond Pulsars PSR J0740+6620 and PSR J1614â€“2230. Astrophysical Journal Letters, 2021, 918, L26.	8.3	13
7	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
8	Quasi-simultaneous Radio/X-Ray Observations of the Candidate Transitional Millisecond Pulsar 3FGL J1544.6â^'1125 during its Low-luminosity Accretion-disk State. Astrophysical Journal, 2021, 923, 3.	4.5	3
9	Radio and X-ray monitoring of the accreting millisecond X-ray pulsar IGR J17591â^'2342 in outburst. Monthly Notices of the Royal Astronomical Society, 2020, 492, 1091-1101.	4.4	17
10	The SUrvey for Pulsars and Extragalactic Radio Bursts â€“ IV. Discovery and polarimetry of a 12.1-s radio pulsar. Monthly Notices of the Royal Astronomical Society, 2020, 493, 1165-1177.	4.4	25
11	A NICER View of Spectral and Profile Evolution for Three X-Ray-emitting Millisecond Pulsars. Astrophysical Journal, 2020, 892, 150.	4.5	4
12	Anti-glitches in the Ultraluminous Accreting Pulsar NGC 300 ULX-1 Observed with NICER. Astrophysical Journal, 2019, 879, 130.	4.5	25
13	A Joint NICER and XMM-Newton View of the â€œMagnificentâ€•Thermally Emitting X-Ray Isolated Neutron Star RX J1605.3+3249. Astrophysical Journal, 2019, 880, 74.	4.5	11
14	Neutron Star Interior Composition Explorer X-Ray Timing of the Radio and Î³-Ray Quiet Pulsars PSR J1412+7922 and PSR J1849-0001. Astrophysical Journal, 2019, 877, 69.	4.5	12
15	Discovery of Soft X-Ray Pulsations from PSR J1231â€“1411 using NICER. Astrophysical Journal Letters, 2019, 878, L22.	8.3	13
16	High-precision X-Ray Timing of Three Millisecond Pulsars with NICER: Stability Estimates and Comparison with Radio. Astrophysical Journal, 2019, 874, 160.	4.5	20
17	A NICER View of PSR J0030+0451: Implications for the Dense Matter Equation of State. Astrophysical Journal Letters, 2019, 887, L22.	8.3	162
18	Constraining the Neutron Star Massâ€“Radius Relation and Dense Matter Equation of State with NICER. II. Emission from Hot Spots on a Rapidly Rotating Neutron Star. Astrophysical Journal Letters, 2019, 887, L26.	8.3	95

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19	A NICER View of PSR J0030+0451: Millisecond Pulsar Parameter Estimation. Astrophysical Journal Letters, 2019, 887, L21.	8.3	914
20	PSR J0030+0451 Mass and Radius from NICER Data and Implications for the Properties of Neutron Star Matter. Astrophysical Journal Letters, 2019, 887, L24.	8.3	978
21	NICER X-Ray Observations of Seven Nearby Rotation-powered Millisecond Pulsars. Astrophysical Journal Letters, 2019, 887, L27.	8.3	45
22	A NICER View of PSR J0030+0451: Evidence for a Global-scale Multipolar Magnetic Field. Astrophysical Journal Letters, 2019, 887, L23.	8.3	97
23	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
24	Dense matter with eXTP. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	5.1	81
25	Constraining the mass and radius of neutron stars in globular clusters. Monthly Notices of the Royal Astronomical Society, 2018, 476, 421-435.	4.4	111
26	An extreme magneto-ionic environment associated with the fast radio burst source FRB 121102. Nature, 2018, 553, 182-185.	27.8	368
27	Variable Heating and Flaring of Three Redback Millisecond Pulsar Companions. Astrophysical Journal, 2018, 866, 71.	4.5	31
28	NuSTAR and NICER reveal IGR J17591â€“2342 as a new accreting millisecond X-ray pulsar. Astronomy and Astrophysics, 2018, 617, L8.	5.1	27
29	HST spectrum and timing of the ultracompact X-ray binary candidate 47 Tuc X9. Monthly Notices of the Royal Astronomical Society, 2018, 476, 1889-1908.	4.4	14
30	Simultaneous Chandra and VLA Observations of the Transitional Millisecond Pulsar PSR J1023+0038: Anti-correlated X-Ray and Radio Variability. Astrophysical Journal, 2018, 856, 54.	4.5	43
31	The Implementation of a Fast-folding Pipeline for Long-period Pulsar Searching in the PALFA Survey. Astrophysical Journal, 2018, 861, 44.	4.5	27
32	NICER Discovers the Ultracompact Orbit of the Accreting Millisecond Pulsar IGR J17062â€“6143. Astrophysical Journal Letters, 2018, 858, L13.	8.3	31
33	The Host Galaxy and Redshift of the Repeating Fast Radio Burst FRB 121102. Astrophysical Journal Letters, 2017, 834, L7.	8.3	495
34	TIMING OF 29 PULSARS DISCOVERED IN THE PALFA SURVEY. Astrophysical Journal, 2017, 834, 137.	4.5	25
35	TWO LONG-TERM INTERMITTENT PULSARS DISCOVERED IN THE PALFA SURVEY. Astrophysical Journal, 2017, 834, 72.	4.5	43
36	A direct localization of a fast radio burst and its host. Nature, 2017, 541, 58-61.	27.8	616

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37	The Repeating Fast Radio Burst FRB 121102 as Seen on Milliarcsecond Angular Scales. Astrophysical Journal Letters, 2017, 834, L8.	8.3	300
38	Simultaneous X-Ray, Gamma-Ray, and Radio Observations of the Repeating Fast Radio Burst FRB 121102. Astrophysical Journal, 2017, 846, 80.	4.5	99
39	A Multiwavelength Study of Nearby Millisecond Pulsar PSRÂJ1400â^'1431: Improved Astrometry and an Optical Detection of Its Cool White Dwarf Companion. Astrophysical Journal, 2017, 847, 25.	4.5	16
40	X-Ray and Optical Study of the Gamma-ray Source 3FGL J0838.8â€“2829: Identification of a Candidate Millisecond Pulsar Binary and an Asynchronous Polar. Astrophysical Journal, 2017, 838, 124.	4.5	28
41	NuSTAR Hard X-Ray Observations of the Energetic Millisecond Pulsars PSR B1821-24, PSR B1937+21, and PSR J0218+4232. Astrophysical Journal, 2017, 845, 159.	4.5	21
42	FRB 121102 Is Coincident with a Star-forming Region in Its Host Galaxy. Astrophysical Journal Letters, 2017, 843, L8.	8.3	130
43	Chandra studies of the globular cluster 47 Tucanae: a deeper X-ray source catalogue, five new X-ray counterparts to millisecond radio pulsars and new constraints to r-mode instability window. Monthly Notices of the Royal Astronomical Society, 2017, 472, 3706-3721.	4.4	35
44	The ultracompact nature of the black hole candidate X-ray binary 47 Tuc X9. Monthly Notices of the Royal Astronomical Society, 2017, 467, 2199-2216.	4.4	72
45	X-rays from Radio Millisecond Pulsars. Proceedings of the International Astronomical Union, 2017, 13, 116-119.	0.0	2
46	Winds in Transitional Millisecond Pulsars. Astrophysics and Space Science Library, 2017, , 295-309.	2.7	1
47	NEUTRON STAR MASSâ€“RADIUS CONSTRAINTS OF THE QUIESCENT LOW-MASS X-RAY BINARIES X7 AND X5 IN THE GLOBULAR CLUSTER 47 TUC. Astrophysical Journal, 2016, 831, 184.	4.5	83
48	A NuSTAR OBSERVATION OF THE GAMMA-RAY-EMITTING X-RAY BINARY AND TRANSITIONAL MILLISECOND PULSAR CANDIDATE 1RXS J154439.4â€“112820. Astrophysical Journal, 2016, 826, 28.	4.5	10
49	THE REPEATING FAST RADIO BURST FRB 121102: MULTI-WAVELENGTH OBSERVATIONS AND ADDITIONAL BURSTS. Astrophysical Journal, 2016, 833, 177.	4.5	238
50	A repeating fast radio burst. Nature, 2016, 531, 202-205.	27.8	690
51	THE IMPACT OF SURFACE TEMPERATURE INHOMOGENEITIES ON QUIESCENT NEUTRON STAR RADIUS MEASUREMENTS. Astrophysical Journal, 2016, 826, 162.	4.5	20
52	DISCOVERY OF A MILLISECOND PULSAR IN THE 5.4 DAY BINARY 3FGL J1417.5â€“4402: OBSERVING THE LATE PHASE OF PULSAR RECYCLING. Astrophysical Journal, 2016, 820, 6.	4.5	27
53	EINSTEIN@HOME DISCOVERY OF A DOUBLE NEUTRON STAR BINARY IN THE PALFA SURVEY. Astrophysical Journal, 2016, 831, 150.	4.5	52
54	TIMING OBSERVATIONS OF PSR J1023+0038 DURING A LOW-MASS X-RAY BINARY STATE. Astrophysical Journal, 2016, 830, 122.	4.5	65

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55	TIMING OF FIVE PALFA-DISCOVERED MILLISECOND PULSARS. Astrophysical Journal, 2016, 833, 192.	4.5	17
56	Prospects for neutron star equation of state constraints using â€œrecycledâ€•millisecond pulsars. European Physical Journal A, 2016, 52, 1.	2.5	19
57	IDENTIFICATION OF THE HIGH-ENERGY GAMMA-RAY SOURCE 3FGL J1544.6â€“1125 AS A TRANSITIONAL MILLISECOND PULSAR BINARY IN AN ACCRETING STATE. Astrophysical Journal Letters, 2015, 803, L27.	8.3	61
58	ARECIBO PULSAR SURVEY USING ALFA. IV. MOCK SPECTROMETER DATA ANALYSIS, SURVEY SENSITIVITY, AND THE DISCOVERY OF 40 PULSARS. Astrophysical Journal, 2015, 812, 81.	4.5	77
59	TIMING OF FIVE MILLISECOND PULSARS DISCOVERED IN THE PALFA SURVEY. Astrophysical Journal, 2015, 800, 123.	4.5	40
60	Einstein@HomeDISCOVERY OF A PALFA MILLISECOND PULSAR IN AN ECCENTRIC BINARY ORBIT. Astrophysical Journal, 2015, 806, 140.	4.5	25
61	COORDINATED X-RAY, ULTRAVIOLET, OPTICAL, AND RADIO OBSERVATIONS OF THE PSR J1023+0038 SYSTEM IN A LOW-MASS X-RAY BINARY STATE. Astrophysical Journal, 2015, 806, 148.	4.5	93
62	ACCRETION-POWERED PULSATIONS IN AN APPARENTLY QUIESCENT NEUTRON STAR BINARY. Astrophysical Journal, 2015, 807, 62.	4.5	114
63	HUNTING FOR ORPHANED CENTRAL COMPACT OBJECTS AMONG RADIO PULSARS. Astrophysical Journal, 2015, 808, 130.	4.5	16
64	A state change in the low-mass X-ray binary XSSÂJ12270â^'4859. Monthly Notices of the Royal Astronomical Society, 2014, 441, 1825-1830.	4.4	211
65	NuSTAROBSERVATIONS OF THE STATE TRANSITION OF MILLISECOND PULSAR BINARY PSR J1023+0038. Astrophysical Journal, 2014, 791, 77.	4.5	58
66	X-RAY AND Î³-RAY STUDIES OF THE MILLISECOND PULSAR AND POSSIBLE X-RAY BINARY/RADIO PULSAR TRANSITION OBJECT PSR J1723-2837. Astrophysical Journal, 2014, 781, 6.	4.5	27
67	A Chandra look at the X-ray faint millisecond pulsars in the globular cluster NGC 6752. Monthly Notices of the Royal Astronomical Society, 2014, 441, 757-768.	4.4	30
68	Improved mass and radius constraints for quiescent neutron stars in ï‰ Cen and NGC 6397. Monthly Notices of the Royal Astronomical Society, 2014, 444, 443-456.	4.4	96
69	A STATE CHANGE IN THE MISSING LINK BINARY PULSAR SYSTEM PSR J1023+0038. Astrophysical Journal, 2014, 790, 39.	4.5	168
70	A NEW ACCRETION DISK AROUND THE MISSING LINK BINARY SYSTEM PSR J1023+0038. Astrophysical Journal Letters, 2014, 781, L3.	8.3	117
71	Timing of a young mildly recycled pulsar with a massive white dwarf companion. Monthly Notices of the Royal Astronomical Society, 2014, 437, 1485-1494.	4.4	23
72	X-RAY OBSERVATIONS OF XSS J12270-4859 IN A NEW LOW STATE: A TRANSFORMATION TO A DISK-FREE ROTATION-POWERED PULSAR BINARY. Astrophysical Journal, 2014, 789, 40.	4.5	61

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73	ARECIBO PULSAR SURVEY USING ALFA. III. PRECURSOR SURVEY AND POPULATION SYNTHESIS. Astrophysical Journal, 2014, 787, 137.	4.5	16
74	SEARCHING FOR PULSARS USING IMAGE PATTERN RECOGNITION. Astrophysical Journal, 2014, 781, 117.	4.5	99
75	THE LIGHT CURVE AND INTERNAL MAGNETIC FIELD OF THE MODE-SWITCHING PULSAR PSR B0943+10. Astrophysical Journal Letters, 2014, 789, L27.	8.3	13
76	CONSTRAINING THE EVOLUTIONARY FATE OF CENTRAL COMPACT OBJECTS: â€œOLDâ€•RADIO PULSARS IN SUPERNOVA REMNANTS. Astrophysical Journal Letters, 2014, 792, L36.	8.3	20
77	FAST RADIO BURST DISCOVERED IN THE ARECIBO PULSAR ALFA SURVEY. Astrophysical Journal, 2014, 790, 101.	4.5	409
78	MODELING THE X-RAYS FROM THE CENTRAL COMPACT OBJECT PSR J1852+0040 IN KESTEVEN 79: EVIDENCE FOR A STRONGLY MAGNETIZED NEUTRON STAR. Astrophysical Journal, 2014, 790, 94.	4.5	34
79	The neutron star transient and millisecond pulsar in M28: from sub-luminous accretion to rotation-powered quiescence. Monthly Notices of the Royal Astronomical Society, 2014, 438, 251-261.	4.4	75
80	THE NEAREST MILLISECOND PULSAR REVISITED WITHXMM-NEWTON: IMPROVED MASS-RADIUS CONSTRAINTS FOR PSR J0437-4715. Astrophysical Journal, 2013, 762, 96.	4.5	120
81	TIMING AND INTERSTELLAR SCATTERING OF 35 DISTANT PULSARS DISCOVERED IN THE PALFA SURVEY. Astrophysical Journal, 2013, 772, 50.	4.5	28
82	X-RAY MEASUREMENT OF THE SPIN-DOWN OF CALVERA: A RADIO- AND GAMMA-RAY-QUIET PULSAR. Astrophysical Journal, 2013, 778, 120.	4.5	23
83	THEEINSTEIN@HOMESEARCH FOR RADIO PULSARS AND PSR J2007+2722 DISCOVERY. Astrophysical Journal, 2013, 773, 91.	4.5	53
84	peace: pulsar evaluation algorithm for candidate extraction â€“ a software package for post-analysis processing of pulsar survey candidates. Monthly Notices of the Royal Astronomical Society, 2013, 433, 688-694.	4.4	48
85	Fermi-LAT constraints on the pulsar wind nebula nature of HESS J1857+026. Astronomy and Astrophysics, 2012, 544, A3.	5.1	16
86	FOUR HIGHLY DISPERSED MILLISECOND PULSARS DISCOVERED IN THE ARECIBO PALFA GALACTIC PLANE SURVEY. Astrophysical Journal, 2012, 757, 90.	4.5	18
87	DEEP X-RAY OBSERVATIONS OF THE YOUNG HIGH-MAGNETIC-FIELD RADIO PULSAR J1119â€“6127 AND SUPERNOVA REMNANT G292.2â€“0.5. Astrophysical Journal, 2012, 761, 65.	4.5	29
88	Neutron star atmosphere composition: the quiescent, low-mass X-ray binary in the globular cluster M28. Monthly Notices of the Royal Astronomical Society, 2012, 423, 1556-1561.	4.4	45
89	TWO MILLISECOND PULSARS DISCOVERED BY THE PALFA SURVEY AND A SHAPIRO DELAY MEASUREMENT. Astrophysical Journal, 2012, 757, 89.	4.5	29
90	ARECIBO PALFA SURVEY AND EINSTEIN@HOME: BINARY PULSAR DISCOVERY BY VOLUNTEER COMPUTING. Astrophysical Journal Letters, 2011, 732, L1.	8.3	25

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91	CHANDRAX-RAY OBSERVATIONS OF 12 MILLISECOND PULSARS IN THE GLOBULAR CLUSTER M28. Astrophysical Journal, 2011, 730, 81.	4.5	51
92	ACHANDRAX-RAY OBSERVATION OF THE BINARY MILLISECOND PULSAR PSR J1023+0038. Astrophysical Journal, 2011, 742, 97.	4.5	111
93	X-RAY VARIABILITY AND EVIDENCE FOR PULSATIONS FROM THE UNIQUE RADIO PULSAR/X-RAY BINARY TRANSITION OBJECT FIRST J102347.6+003841. Astrophysical Journal, 2010, 722, 88-95.	4.5	81
94	IDENTIFICATION OF FAINTCHANDRAX-RAY SOURCES IN THE CORE-COLLAPSED GLOBULAR CLUSTER NGC 6397: EVIDENCE FOR A BIMODAL CATACLYSMIC VARIABLE POPULATION. Astrophysical Journal, 2010, 722, 20-32.	4.5	52
95	ACHANDRA X-RAY OBSERVATORYSTUDY OF PSR J1740-5340 AND CANDIDATE MILLISECOND PULSARS IN THE GLOBULAR CLUSTER NGC 6397. Astrophysical Journal, 2010, 709, 241-250.	4.5	58
96	Pulsar Discovery by Global Volunteer Computing. Science, 2010, 329, 1305-1305.	12.6	57
97	DEEPXMM-NEWTONSPECTROSCOPIC AND TIMING OBSERVATIONS OF THE ISOLATED RADIO MILLISECOND PULSAR PSR J0030+0451. Astrophysical Journal, 2009, 703, 1557-1564.	4.5	59
98	Millisecond Pulsars in Globular Clusters and the Field. Astrophysics and Space Science Library, 2009, , 165-179.	2.7	2
99	ARECIBO PULSAR SURVEY USING ALFA: PROBING RADIO PULSAR INTERMITTENCY AND TRANSIENTS. Astrophysical Journal, 2009, 703, 2259-2274.	4.5	103
100	Chandra Xâ€Ray ObservatoryObservations of the Globular Cluster M71. Astrophysical Journal, 2008, 687, 1019-1034.	4.5	26
101	Thermal Xâ€Rays from Millisecond Pulsars: Constraining the Fundamental Properties of Neutron Stars. Astrophysical Journal, 2008, 689, 407-415.	4.5	60
102	Constraints on Neutron Star Properties from Xâ€Ray Observations of Millisecond Pulsars. Astrophysical Journal, 2007, 670, 668-676.	4.5	88
103	ChandraXâ€Ray Observations of 19 Millisecond Pulsars in the Globular Cluster 47 Tucanae. Astrophysical Journal, 2006, 646, 1104-1115.	4.5	109
104	X-Rays from Radio Millisecond Pulsars: Comptonized Thermal Radiation. Astrophysical Journal, 2006, 648, L55-L58.	4.5	18
105	A DeepChandraSurvey of the Globular Cluster 47 Tucanae: Catalog of Point Sources. Astrophysical Journal, 2005, 625, 796-824.	4.5	173
106	An Xâ€Ray Variable Millisecond Pulsar in the Globular Cluster 47 Tucanae: Closing the Link to Lowâ€Mass Xâ€Ray Binaries. Astrophysical Journal, 2005, 630, 1029-1036.	4.5	81
107	Interstellar Scintillation Velocities of the Relativistic Binary PSR B1534+12 and Three Other Millisecond Pulsars. Astrophysical Journal, 2002, 581, 495-500.	4.5	18