

Slavko Bogdanov

List of Publications by Year in descending order

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107
papers

11,004
citations

41344

49
h-index

29157

104
g-index

110
all docs

110
docs citations

110
times ranked

4547
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	A repeating fast radio burst. <i>Nature</i> , 2016, 531, 202-205.	27.8	690
4	A direct localization of a fast radio burst and its host. <i>Nature</i> , 2017, 541, 58-61.	27.8	616
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 Host Galaxy and Redshift of the Repeating Fast Radio Burst FRB 121102. <i>Astrophysical Journal Letters</i> , 2017, 834, L7.	8.3	495
8	FAST RADIO BURST DISCOVERED IN THE ARECIBO PULSAR ALFA SURVEY. <i>Astrophysical Journal</i> , 2014, 790, 101.	4.5	409
9	An extreme magneto-ionic environment associated with the fast radio burst source FRB 121102. <i>Nature</i> , 2018, 553, 182-185.	27.8	368
10	The Repeating Fast Radio Burst FRB 121102 as Seen on Milliarcsecond Angular Scales. <i>Astrophysical Journal Letters</i> , 2017, 834, L8.	8.3	300
11	THE REPEATING FAST RADIO BURST FRB 121102: MULTI-WAVELENGTH OBSERVATIONS AND ADDITIONAL BURSTS. <i>Astrophysical Journal</i> , 2016, 833, 177.	4.5	238
12	A state change in the low-mass X-ray binary XSS J12270-4859. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 441, 1825-1830.	4.4	211
13	A DeepChandraSurvey of the Globular Cluster 47 Tucanae: Catalog of Point Sources. <i>Astrophysical Journal</i> , 2005, 625, 796-824.	4.5	173
14	A STATE CHANGE IN THE MISSING LINK BINARY PULSAR SYSTEM PSR J1023+0038. <i>Astrophysical Journal</i> , 2014, 790, 39.	4.5	168
15	A NICER View of PSR J0030+0451: Implications for the Dense Matter Equation of State. <i>Astrophysical Journal Letters</i> , 2019, 887, L22.	8.3	162
16	FRB 121102 Is Coincident with a Star-forming Region in Its Host Galaxy. <i>Astrophysical Journal Letters</i> , 2017, 843, L8.	8.3	130
17	THE NEAREST MILLISECOND PULSAR REVISITED WITH XMM-NEWTON: IMPROVED MASS-RADIUS CONSTRAINTS FOR PSR J0437-4715. <i>Astrophysical Journal</i> , 2013, 762, 96.	4.5	120
18	A NEW ACCRETION DISK AROUND THE MISSING LINK BINARY SYSTEM PSR J1023+0038. <i>Astrophysical Journal Letters</i> , 2014, 781, L3.	8.3	117

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19	ACCRETION-POWERED PULSATIONS IN AN APPARENTLY QUIESCENT NEUTRON STAR BINARY. <i>Astrophysical Journal</i> , 2015, 807, 62.	4.5	114
20	A<i>CHANDRA</i> X-RAY OBSERVATION OF THE BINARY MILLISECOND PULSAR PSR J1023+0038. <i>Astrophysical Journal</i> , 2011, 742, 97.	4.5	111
21	Constraining the mass and radius of neutron stars in globular clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 421-435.	4.4	111
22	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
23	Chandra X-Ray Observations of 19 Millisecond Pulsars in the Globular Cluster 47 Tucanae. <i>Astrophysical Journal</i> , 2006, 646, 1104-1115.	4.5	109
24	ARECIBO PULSAR SURVEY USING ALFA: PROBING RADIO PULSAR INTERMITTENCY AND TRANSIENTS. <i>Astrophysical Journal</i> , 2009, 703, 2259-2274.	4.5	103
25	SEARCHING FOR PULSARS USING IMAGE PATTERN RECOGNITION. <i>Astrophysical Journal</i> , 2014, 781, 117.	4.5	99
26	Simultaneous X-Ray, Gamma-Ray, and Radio Observations of the Repeating Fast Radio Burst FRB 121102. <i>Astrophysical Journal</i> , 2017, 846, 80.	4.5	99
27	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
28	Improved mass and radius constraints for quiescent neutron stars in ω Cen and NGC 6397. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 444, 443-456.	4.4	96
29	Constraining the Neutron Star Mass–Radius Relation and Dense Matter Equation of State with NICER. II. Emission from Hot Spots on a Rapidly Rotating Neutron Star. <i>Astrophysical Journal Letters</i> , 2019, 887, L26.	8.3	95
30	COORDINATED X-RAY, ULTRAVIOLET, OPTICAL, AND RADIO OBSERVATIONS OF THE PSR J1023+0038 SYSTEM IN A LOW-MASS X-RAY BINARY STATE. <i>Astrophysical Journal</i> , 2015, 806, 148.	4.5	93
31	Constraints on Neutron Star Properties from X-Ray Observations of Millisecond Pulsars. <i>Astrophysical Journal</i> , 2007, 670, 668-676.	4.5	88
32	NEUTRON STAR MASS–RADIUS CONSTRAINTS OF THE QUIESCENT LOW-MASS X-RAY BINARIES X7 AND X5 IN THE GLOBULAR CLUSTER 47 TUC. <i>Astrophysical Journal</i> , 2016, 831, 184.	4.5	83
33	An X-Ray Variable Millisecond Pulsar in the Globular Cluster 47 Tucanae: Closing the Link to Low-Mass X-Ray Binaries. <i>Astrophysical Journal</i> , 2005, 630, 1029-1036.	4.5	81
34	X-RAY VARIABILITY AND EVIDENCE FOR PULSATIONS FROM THE UNIQUE RADIO PULSAR/X-RAY BINARY TRANSITION OBJECT FIRST J102347.6+003841. <i>Astrophysical Journal</i> , 2010, 722, 88-95.	4.5	81
35	Dense matter with eXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	5.1	81
36	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.	4.5	77

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37	The neutron star transient and millisecond pulsar in M28: from sub-luminous accretion to rotation-powered quiescence. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 438, 251-261.	4.4	75
38	The ultracompact nature of the black hole candidate X-ray binary 47 Tuc X9. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 467, 2199-2216.	4.4	72
39	TIMING OBSERVATIONS OF PSR J1023+0038 DURING A LOW-MASS X-RAY BINARY STATE. <i>Astrophysical Journal</i> , 2016, 830, 122.	4.5	65
40	X-RAY OBSERVATIONS OF XSS J12270-4859 IN A NEW LOW STATE: A TRANSFORMATION TO A DISK-FREE ROTATION-POWERED PULSAR BINARY. <i>Astrophysical Journal</i> , 2014, 789, 40.	4.5	61
41	IDENTIFICATION OF THE HIGH-ENERGY GAMMA-RAY SOURCE 3FGL J1544.6â€“1125 AS A TRANSITIONAL MILLISECOND PULSAR BINARY IN AN ACCRETING STATE. <i>Astrophysical Journal Letters</i> , 2015, 803, L27.	8.3	61
42	Thermal X-rays from Millisecond Pulsars: Constraining the Fundamental Properties of Neutron Stars. <i>Astrophysical Journal</i> , 2008, 689, 407-415.	4.5	60
43	DEEP XMM-NEWTON SPECTROSCOPIC AND TIMING OBSERVATIONS OF THE ISOLATED RADIO MILLISECOND PULSAR PSR J0030+0451. <i>Astrophysical Journal</i> , 2009, 703, 1557-1564.	4.5	59
44	A CHANDRA X-RAY OBSERVATORY STUDY OF PSR J1740-5340 AND CANDIDATE MILLISECOND PULSARS IN THE GLOBULAR CLUSTER NGC 6397. <i>Astrophysical Journal</i> , 2010, 709, 241-250.	4.5	58
45	NuSTAR OBSERVATIONS OF THE STATE TRANSITION OF MILLISECOND PULSAR BINARY PSR J1023+0038. <i>Astrophysical Journal</i> , 2014, 791, 77.	4.5	58
46	Pulsar Discovery by Global Volunteer Computing. <i>Science</i> , 2010, 329, 1305-1305.	12.6	57
47	THE EINSTEIN@HOME SEARCH FOR RADIO PULSARS AND PSR J2007+2722 DISCOVERY. <i>Astrophysical Journal</i> , 2013, 773, 91.	4.5	53
48	IDENTIFICATION OF FAINT CHANDRA X-RAY SOURCES IN THE CORE-COLLAPSED GLOBULAR CLUSTER NGC 6397: EVIDENCE FOR A BIMODAL CATAclysmic VARIABLE POPULATION. <i>Astrophysical Journal</i> , 2010, 722, 20-32.	4.5	52
49	EINSTEIN@HOME DISCOVERY OF A DOUBLE NEUTRON STAR BINARY IN THE PALFA SURVEY. <i>Astrophysical Journal</i> , 2016, 831, 150.	4.5	52
50	CHANDRA X-RAY OBSERVATIONS OF 12 MILLISECOND PULSARS IN THE GLOBULAR CLUSTER M28. <i>Astrophysical Journal</i> , 2011, 730, 81.	4.5	51
51	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.	4.4	48
52	Neutron star atmosphere composition: the quiescent, low-mass X-ray binary in the globular cluster M28. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 423, 1556-1561.	4.4	45
53	NICER X-Ray Observations of Seven Nearby Rotation-powered Millisecond Pulsars. <i>Astrophysical Journal Letters</i> , 2019, 887, L27.	8.3	45
54	TWO LONG-TERM INTERMITTENT PULSARS DISCOVERED IN THE PALFA SURVEY. <i>Astrophysical Journal</i> , 2017, 834, 72.	4.5	43

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55	Simultaneous Chandra and VLA Observations of the Transitional Millisecond Pulsar PSR J1023+0038: Anti-correlated X-Ray and Radio Variability. <i>Astrophysical Journal</i> , 2018, 856, 54.	4.5	43
56	TIMING OF FIVE MILLISECOND PULSARS DISCOVERED IN THE PALFA SURVEY. <i>Astrophysical Journal</i> , 2015, 800, 123.	4.5	40
57	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. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 3706-3721.	4.4	35
58	MODELING THE X-RAYS FROM THE CENTRAL COMPACT OBJECT PSR J1852+0040 IN KESTEVEN 79: EVIDENCE FOR A STRONGLY MAGNETIZED NEUTRON STAR. <i>Astrophysical Journal</i> , 2014, 790, 94.	4.5	34
59	Variable Heating and Flaring of Three Redback Millisecond Pulsar Companions. <i>Astrophysical Journal</i> , 2018, 866, 71.	4.5	31
60	NICER Discovers the Ultracompact Orbit of the Accreting Millisecond Pulsar IGR J17062-6143. <i>Astrophysical Journal Letters</i> , 2018, 858, L13.	8.3	31
61	A Chandra look at the X-ray faint millisecond pulsars in the globular cluster NGC 6752. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 441, 757-768.	4.4	30
62	DEEP X-RAY OBSERVATIONS OF THE YOUNG HIGH-MAGNETIC-FIELD RADIO PULSAR J1119-6127 AND SUPERNOVA REMNANT G292.2-0.5. <i>Astrophysical Journal</i> , 2012, 761, 65.	4.5	29
63	TWO MILLISECOND PULSARS DISCOVERED BY THE PALFA SURVEY AND A SHAPIRO DELAY MEASUREMENT. <i>Astrophysical Journal</i> , 2012, 757, 89.	4.5	29
64	TIMING AND INTERSTELLAR SCATTERING OF 35 DISTANT PULSARS DISCOVERED IN THE PALFA SURVEY. <i>Astrophysical Journal</i> , 2013, 772, 50.	4.5	28
65	X-Ray and Optical Study of the Gamma-ray Source 3FGL J0838.8-2829: Identification of a Candidate Millisecond Pulsar Binary and an Asynchronous Polar. <i>Astrophysical Journal</i> , 2017, 838, 124.	4.5	28
66	X-RAY AND $\hat{\gamma}$ -RAY STUDIES OF THE MILLISECOND PULSAR AND POSSIBLE X-RAY BINARY/RADIO PULSAR TRANSITION OBJECT PSR J1723-2837. <i>Astrophysical Journal</i> , 2014, 781, 6.	4.5	27
67	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
68	<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
69	The Implementation of a Fast-folding Pipeline for Long-period Pulsar Searching in the PALFA Survey. <i>Astrophysical Journal</i> , 2018, 861, 44.	4.5	27
70	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
71	<i>Chandra X-ray Observatory</i> Observations of the Globular Cluster M71. <i>Astrophysical Journal</i> , 2008, 687, 1019-1034.	4.5	26
72	ARECIBO PALFA SURVEY AND EINSTEIN@HOME: BINARY PULSAR DISCOVERY BY VOLUNTEER COMPUTING. <i>Astrophysical Journal Letters</i> , 2011, 732, L1.	8.3	25

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73	<i>Einstein@Home</i> DISCOVERY OF A PALFA MILLISECOND PULSAR IN AN ECCENTRIC BINARY ORBIT. <i>Astrophysical Journal</i> , 2015, 806, 140.	4.5	25
74	TIMING OF 29 PULSARS DISCOVERED IN THE PALFA SURVEY. <i>Astrophysical Journal</i> , 2017, 834, 137.	4.5	25
75	Anti-glitches in the Ultraluminous Accreting Pulsar NGC 300 ULX-1 Observed with NICER. <i>Astrophysical Journal</i> , 2019, 879, 130.	4.5	25
76	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
77	X-RAY MEASUREMENT OF THE SPIN-DOWN OF CALVERA: A RADIO- AND GAMMA-RAY-QUIET PULSAR. <i>Astrophysical Journal</i> , 2013, 778, 120.	4.5	23
78	Timing of a young mildly recycled pulsar with a massive white dwarf companion. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 437, 1485-1494.	4.4	23
79	NuSTAR Hard X-Ray Observations of the Energetic Millisecond Pulsars PSR B1821-24, PSR B1937+21, and PSR J0218+4232. <i>Astrophysical Journal</i> , 2017, 845, 159.	4.5	21
80	CONSTRAINING THE EVOLUTIONARY FATE OF CENTRAL COMPACT OBJECTS: “œOLD“•RADIO PULSARS IN SUPERNOVA REMNANTS. <i>Astrophysical Journal Letters</i> , 2014, 792, L36.	8.3	20
81	THE IMPACT OF SURFACE TEMPERATURE INHOMOGENEITIES ON QUIESCENT NEUTRON STAR RADIUS MEASUREMENTS. <i>Astrophysical Journal</i> , 2016, 826, 162.	4.5	20
82	High-precision X-Ray Timing of Three Millisecond Pulsars with NICER: Stability Estimates and Comparison with Radio. <i>Astrophysical Journal</i> , 2019, 874, 160.	4.5	20
83	Prospects for neutron star equation of state constraints using “œrecycled“•millisecond pulsars. <i>European Physical Journal A</i> , 2016, 52, 1.	2.5	19
84	Interstellar Scintillation Velocities of the Relativistic Binary PSR B1534+12 and Three Other Millisecond Pulsars. <i>Astrophysical Journal</i> , 2002, 581, 495-500.	4.5	18
85	X-Rays from Radio Millisecond Pulsars: Comptonized Thermal Radiation. <i>Astrophysical Journal</i> , 2006, 648, L55-L58.	4.5	18
86	FOUR HIGHLY DISPERSED MILLISECOND PULSARS DISCOVERED IN THE ARECIBO PALFA GALACTIC PLANE SURVEY. <i>Astrophysical Journal</i> , 2012, 757, 90.	4.5	18
87	TIMING OF FIVE PALFA-DISCOVERED MILLISECOND PULSARS. <i>Astrophysical Journal</i> , 2016, 833, 192.	4.5	17
88	Radio and X-ray monitoring of the accreting millisecond X-ray pulsar IGR J17591â’2342 in outburst. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 1091-1101.	4.4	17
89	<i>Fermi</i>-LAT constraints on the pulsar wind nebula nature of HESS J1857+026. <i>Astronomy and Astrophysics</i> , 2012, 544, A3.	5.1	16
90	ARECIBO PULSAR SURVEY USING ALFA. III. PRECURSOR SURVEY AND POPULATION SYNTHESIS. <i>Astrophysical Journal</i> , 2014, 787, 137.	4.5	16

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91	HUNTING FOR ORPHANED CENTRAL COMPACT OBJECTS AMONG RADIO PULSARS. <i>Astrophysical Journal</i> , 2015, 808, 130.	4.5	16
92	A Multiwavelength Study of Nearby Millisecond Pulsar PSR J1400+1431: Improved Astrometry and an Optical Detection of Its Cool White Dwarf Companion. <i>Astrophysical Journal</i> , 2017, 847, 25.	4.5	16
93	HST spectrum and timing of the ultracompact X-ray binary candidate 47 Tuc X9. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 1889-1908.	4.4	14
94	A Deep Chandra X-Ray Observatory Study of the Millisecond Pulsar Population in the Globular Cluster Terzan 5. <i>Astrophysical Journal</i> , 2021, 912, 124.	4.5	14
95	THE LIGHT CURVE AND INTERNAL MAGNETIC FIELD OF THE MODE-SWITCHING PULSAR PSR B0943+10. <i>Astrophysical Journal Letters</i> , 2014, 789, L27.	8.3	13
96	Discovery of Soft X-Ray Pulsations from PSR J1231+1411 using NICER. <i>Astrophysical Journal Letters</i> , 2019, 878, L22.	8.3	13
97	Enhanced x-ray emission coinciding with giant radio pulses from the Crab Pulsar. <i>Science</i> , 2021, 372, 187-190.	12.6	13
98	NICER Detection of Thermal X-Ray Pulsations from the Massive Millisecond Pulsars PSR J0740+6620 and PSR J1614+2230. <i>Astrophysical Journal Letters</i> , 2021, 918, L26.	8.3	13
99	Neutron Star Interior Composition Explorer X-Ray Timing of the Radio and $\dot{\gamma}$ -Ray Quiet Pulsars PSR J1412+7922 and PSR J1849-0001. <i>Astrophysical Journal</i> , 2019, 877, 69.	4.5	12
100	A Joint NICER and XMM-Newton View of the "Magnificent" Thermally Emitting X-Ray Isolated Neutron Star RX J1605.3+3249. <i>Astrophysical Journal</i> , 2019, 880, 74.	4.5	11
101	A NuSTAR OBSERVATION OF THE GAMMA-RAY-EMITTING X-RAY BINARY AND TRANSITIONAL MILLISECOND PULSAR CANDIDATE 1RXS J154439.4+112820. <i>Astrophysical Journal</i> , 2016, 826, 28.	4.5	10
102	A NICER View of Spectral and Profile Evolution for Three X-Ray-emitting Millisecond Pulsars. <i>Astrophysical Journal</i> , 2020, 892, 150.	4.5	4
103	A Detection of Red Noise in PSR J1824+2452A and Projections for PSR B1937+21 Using NICER X-Ray Timing Data. <i>Astrophysical Journal</i> , 2022, 928, 67.	4.5	3
104	Quasi-simultaneous Radio/X-Ray Observations of the Candidate Transitional Millisecond Pulsar 3FGL J1544.6+1125 during its Low-luminosity Accretion-disk State. <i>Astrophysical Journal</i> , 2021, 923, 3.	4.5	3
105	Millisecond Pulsars in Globular Clusters and the Field. <i>Astrophysics and Space Science Library</i> , 2009, , 165-179.	2.7	2
106	X-rays from Radio Millisecond Pulsars. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 116-119.	0.0	2
107	Winds in Transitional Millisecond Pulsars. <i>Astrophysics and Space Science Library</i> , 2017, , 295-309.	2.7	1