

Paul S Ray

List of Publications by Citations

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218
papers

11,417
citations

56
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224
ext. papers

14,121
ext. citations

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avg, IF

5.37
L-index

#	Paper	IF	Citations
218	FERMI LARGE AREA TELESCOPE FIRST SOURCE CATALOG. <i>Astrophysical Journal, Supplement Series</i> , 2010 , 188, 405-436	8	754
217	THE SECOND FERMI LARGE AREA TELESCOPE CATALOG OF GAMMA-RAY PULSARS. <i>Astrophysical Journal, Supplement Series</i> , 2013 , 208, 17	8	583
216	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	7.9	456
215	A NICER View of PSR J0030+0451: Millisecond Pulsar Parameter Estimation. <i>Astrophysical Journal Letters</i> , 2019 , 887, L21	7.9	428
214	THE FIRST FERMI LARGE AREA TELESCOPE CATALOG OF GAMMA-RAY PULSARS. <i>Astrophysical Journal, Supplement Series</i> , 2010 , 187, 460-494	8	365
213	FERMI /LARGE AREA TELESCOPE BRIGHT GAMMA-RAY SOURCE LIST. <i>Astrophysical Journal, Supplement Series</i> , 2009 , 183, 46-66	8	357
212	The NANOGrav 11-year Data Set: High-precision Timing of 45 Millisecond Pulsars. <i>Astrophysical Journal, Supplement Series</i> , 2018 , 235, 37	8	295
211	Gamma-ray flares from the Crab Nebula. <i>Science</i> , 2011 , 331, 739-42	33.3	263
210	Detection of 16 gamma-ray pulsars through blind frequency searches using the Fermi LAT. <i>Science</i> , 2009 , 325, 840-4	33.3	232
209	FERMILARGE AREA TELESCOPE OBSERVATIONS OF THE CRAB PULSAR AND NEBULA. <i>Astrophysical Journal</i> , 2010 , 708, 1254-1267	4.7	213
208	The NANOGrav 11 Year Data Set: Pulsar-timing Constraints on the Stochastic Gravitational-wave Background. <i>Astrophysical Journal</i> , 2018 , 859, 47	4.7	209
207	Spacecraft Navigation Using X-Ray Pulsars. <i>Journal of Guidance, Control, and Dynamics</i> , 2006 , 29, 49-63	2.1	208
206	Modulated high-energy gamma-ray emission from the microquasar Cygnus X-3. <i>Science</i> , 2009 , 326, 1512-1513	33.3	177
205	A population of gamma-ray millisecond pulsars seen with the Fermi Large Area Telescope. <i>Science</i> , 2009 , 325, 848-52	33.3	177
204	PRECISE X-RAY TIMING AND RADIO OBSERVATIONS OF 17 FERMI X-RAY PULSARS. <i>Astrophysical Journal, Supplement Series</i> , 2011 , 194, 17	8	168
203	The NANOGrav 12.5-yr Data Set: Search for an Isotropic Stochastic Gravitational-wave Background. <i>Astrophysical Journal Letters</i> , 2020 , 905, L34	7.9	162
202	The Large Observatory for X-ray Timing (LOFT). <i>Experimental Astronomy</i> , 2012 , 34, 415-444	1.3	148

201	The Long-Term Evolution of the Spin, Pulse Shape, and Orbit of the Accretion-powered Millisecond Pulsar SAX J1808.4-658. <i>Astrophysical Journal</i> , 2008 , 675, 1468-1486	4.7	147
200	Gamma-ray emission concurrent with the nova in the symbiotic binary V407 Cygni. <i>Science</i> , 2010 , 329, 817-21	33.3	138
199	THREE MILLISECOND PULSARS IN FERMI LAT UNASSOCIATED BRIGHT SOURCES. <i>Astrophysical Journal Letters</i> , 2011 , 727, L16	7.9	123
198	DISCOVERY OF HIGH-ENERGY GAMMA-RAY EMISSION FROM THE BINARY SYSTEM PSR B1259-03/LS 2883 AROUND PERIASTRON WITH FERMI. <i>Astrophysical Journal Letters</i> , 2011 , 736, L11	7.9	117
197	FERMI LAT OBSERVATIONS OF LS I +61°303: FIRST DETECTION OF AN ORBITAL MODULATION IN GeV GAMMA RAYS. <i>Astrophysical Journal</i> , 2009 , 701, L123-L128	4.7	113
196	A powerful bursting radio source towards the Galactic Centre. <i>Nature</i> , 2005 , 434, 50-2	50.4	112
195	GRAVITATIONAL WAVES FROM KNOWN PULSARS: RESULTS FROM THE INITIAL DETECTOR ERA. <i>Astrophysical Journal</i> , 2014 , 785, 119	4.7	109
194	EIGHT X-RAY PULSARS DISCOVERED IN BLIND FREQUENCY SEARCHES OFFERMLAT DATA. <i>Astrophysical Journal</i> , 2010 , 725, 571-584	4.7	108
193	FERMI /LAT OBSERVATIONS OF LS 5039. <i>Astrophysical Journal</i> , 2009 , 706, L56-L61	4.7	107
192	The Radius of PSR J0740+6620 from NICER and XMM-Newton Data. <i>Astrophysical Journal Letters</i> , 2021 , 918, L28	7.9	107
191	DISCOVERY OF PSR J1227-1853: A TRANSITION FROM A LOW-MASS X-RAY BINARY TO A REDBACK MILLISECOND PULSAR. <i>Astrophysical Journal Letters</i> , 2015 , 800, L12	7.9	101
190	DISCOVERY OF THE OPTICAL COUNTERPARTS TO FOUR ENERGETIC FERMIMILLISECOND PULSARS. <i>Astrophysical Journal</i> , 2013 , 769, 108	4.7	99
189	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	7.9	97
188	The binary nature of PSR J2032+4127. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 451, 581-587	4.7	95
187	FIRST LIGHT FOR THE FIRST STATION OF THE LONG WAVELENGTH ARRAY. <i>Journal of Astronomical Instrumentation</i> , 2012 , 01, 1250004	0.8	95
186	RADIO DETECTION OF LAT PSRs J1741-2054 AND J2032+4127: NO LONGER JUST GAMMA-RAY PULSARS. <i>Astrophysical Journal</i> , 2009 , 705, 1-13	4.7	95
185	The enhanced X-ray Timing and Polarimetry mission-BXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019 , 62, 1	3.6	95
184	EGRET Observations of the Gamma-Ray Source 2CG 135+01. <i>Astrophysical Journal</i> , 1997 , 486, 126-131	4.7	88

183	The LWA1 Radio Telescope. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 2540-2549	4.9	87
182	THE ORBITS OF THE RAY BINARIES LS I +61 303 AND LS 5039. <i>Astrophysical Journal</i> , 2009 , 698, 514-518	4.7	87
181	Refined Mass and Geometric Measurements of the High-mass PSR J0740+6620. <i>Astrophysical Journal Letters</i> , 2021 , 915, L12	7.9	87
180	THE VELA PULSAR: RESULTS FROM THE FIRST YEAR OFFERMILAT OBSERVATIONS. <i>Astrophysical Journal</i> , 2010 , 713, 154-165	4.7	86
179	A STATISTICAL APPROACH TO RECOGNIZING SOURCE CLASSES FOR UNASSOCIATED SOURCES IN THE FIRSTFERMI-LAT CATALOG. <i>Astrophysical Journal</i> , 2012 , 753, 83	4.7	85
178	The Fermi Gamma-Ray Space Telescope discovers the pulsar in the young galactic supernova remnant CTA 1. <i>Science</i> , 2008 , 322, 1218-21	33.3	81
177	Binary millisecond pulsar discovery via gamma-ray pulsations. <i>Science</i> , 2012 , 338, 1314-7	33.3	78
176	DISCOVERY OF NINE GAMMA-RAY PULSARS INFERMILARGE AREA TELESCOPE DATA USING A NEW BLIND SEARCH METHOD. <i>Astrophysical Journal</i> , 2012 , 744, 105	4.7	76
175	Constraining the Neutron Star MassRadius 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	7.9	68
174	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	4.3	66
173	PSR J1907+0602: A RADIO-FAINT GAMMA-RAY PULSAR POWERING A BRIGHT TeV PULSAR WIND NEBULA. <i>Astrophysical Journal</i> , 2010 , 711, 64-74	4.7	64
172	A Programmable 36-MHz Digital Filter Bank for Radio Science. <i>Publications of the Astronomical Society of the Pacific</i> , 1997 , 109, 61	5	63
171	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	4.7	62
170	X-RAY OBSERVATIONS OF BLACK WIDOW PULSARS. <i>Astrophysical Journal</i> , 2014 , 783, 69	4.7	61
169	DISCOVERY OF TWO MILLISECOND PULSARS INFERMISOURCES WITH THE NANRAY RADIO TELESCOPE. <i>Astrophysical Journal</i> , 2011 , 732, 47	4.7	61
168	PULSED GAMMA RAYS FROM THE ORIGINAL MILLISECOND AND BLACK WIDOW PULSARS: A CASE FOR CAUSTIC RADIO EMISSION?. <i>Astrophysical Journal</i> , 2012 , 744, 33	4.7	60
167	FERMILARGE AREA TELESCOPE OBSERVATIONS OF THE VELA-X PULSAR WIND NEBULA. <i>Astrophysical Journal</i> , 2010 , 713, 146-153	4.7	59
166	A NICER View of PSR J0030+0451: Evidence for a Global-scale Multipolar Magnetic Field. <i>Astrophysical Journal Letters</i> , 2019 , 887, L23	7.9	59

165	The NANOGrav 11 yr Data Set: Limits on Gravitational Waves from Individual Supermassive Black Hole Binaries. <i>Astrophysical Journal</i> , 2019 , 880, 116	4.7	58
164	CONSTRAINTS ON THE EMISSION GEOMETRIES AND SPIN EVOLUTION OF GAMMA-RAY MILLISECOND PULSARS. <i>Astrophysical Journal, Supplement Series</i> , 2014 , 213, 6	8	58
163	Further X-ray observations of EXO 0748-676 in quiescence: evidence for a cooling neutron star crust. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 412, 1409-1418	4.3	56
162	FERMI-LAT SEARCH FOR PULSAR WIND NEBULAE AROUND GAMMA-RAY PULSARS. <i>Astrophysical Journal</i> , 2011 , 726, 35	4.7	55
161	and GBM Observations of the First Galactic Ultraluminous X-ray Pulsar Swift J0243.6+6124. <i>Astrophysical Journal</i> , 2018 , 863,	4.7	55
160	PARKES RADIO SEARCHES OFFER MIGAMMA-RAY SOURCES AND MILLISECOND PULSAR DISCOVERIES. <i>Astrophysical Journal</i> , 2015 , 810, 85	4.7	53
159	PSR J2021+4026 IN THE GAMMA CYGNI REGION: THE FIRST VARIABLE RAY PULSAR SEEN BY THE Fermi LAT. <i>Astrophysical Journal Letters</i> , 2013 , 777, L2	7.9	52
158	Fermi detection of a luminous Ray pulsar in a globular cluster. <i>Science</i> , 2011 , 334, 1107-10	33.3	51
157	PULSAR OBSERVATIONS USING THE FIRST STATION OF THE LONG WAVELENGTH ARRAY AND THE LWA PULSAR DATA ARCHIVE. <i>Astrophysical Journal</i> , 2015 , 808, 156	4.7	50
156	FERMI-LAT OBSERVATIONS OF THE GEMINGA PULSAR. <i>Astrophysical Journal</i> , 2010 , 720, 272-283	4.7	50
155	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 ⁴³	4.3	46
154	BROADBAND PULSATIONS FROM PSR B1821-04: IMPLICATIONS FOR EMISSION MODELS AND THE PULSAR POPULATION OF M28. <i>Astrophysical Journal</i> , 2013 , 778, 106	4.7	45
153	FIVE NEW MILLISECOND PULSARS FROM A RADIO SURVEY OF 14 UNIDENTIFIED FERMI -LAT GAMMA-RAY SOURCES. <i>Astrophysical Journal Letters</i> , 2012 , 748, L2	7.9	44
152	GMRT DISCOVERY OF PSR J1544+4937: AN ECLIPSING BLACK-WIDOW PULSAR IDENTIFIED WITH A FERMI -LAT SOURCE. <i>Astrophysical Journal Letters</i> , 2013 , 773, L12	7.9	40
151	TIMING GAMMA-RAY PULSARS WITH THE FERMILARGE AREA TELESCOPE: TIMING NOISE AND ASTROMETRY. <i>Astrophysical Journal</i> , 2015 , 814, 128	4.7	39
150	GCRT J1742-3001: A NEW RADIO TRANSIENT TOWARD THE GALACTIC CENTER. <i>Astrophysical Journal</i> , 2009 , 696, 280-286	4.7	39
149	Chandra and Swift observations of the quasi-persistent neutron star transient EXO 0748-676 back to quiescence. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2009 , 396, L26-L30	4.3	38
148	The NANOGrav 12.5 yr Data Set: Observations and Narrowband Timing of 47 Millisecond Pulsars. <i>Astrophysical Journal, Supplement Series</i> , 2021 , 252, 4	8	38

147	DISCOVERY OF GAMMA-RAY PULSATIONS FROM THE TRANSITIONAL REDBACK PSR J1227-4853. <i>Astrophysical Journal</i> , 2015 , 806, 91	4.7	37
146	Discovery of the millisecond pulsar PSR J2043+1711 in a Fermi source with the NanEy Radio Telescope. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 422, 1294-1305	4.3	37
145	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	5	37
144	A Survey for Millisecond Pulsars. <i>Astrophysical Journal</i> , 1996 , 470, 1103	4.7	37
143	Pulsar searches of Fermi unassociated sources with the Effelsberg telescope. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 429, 1633-1642	4.3	36
142	RADIO DETECTION OF THE FERMI -LAT BLIND SEARCH MILLISECOND PULSAR J1311-0430. <i>Astrophysical Journal Letters</i> , 2013 , 763, L13	7.9	36
141	PSR J1838-0537: DISCOVERY OF A YOUNG, ENERGETIC GAMMA-RAY PULSAR. <i>Astrophysical Journal Letters</i> , 2012 , 755, L20	7.9	36
140	ECLIPSE TIMINGS OF THE TRANSIENT LOW-MASS X-RAY BINARY EXO 0748-676. IV. THE ROSSI X-RAY TIMING EXPLORER ECLIPSES. <i>Astrophysical Journal, Supplement Series</i> , 2009 , 183, 156-170	8	36
139	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	4.7	36
138	Long-Term Flux Monitoring of LSI +61o303 at 2.25 and 8.3 GHz. <i>Astrophysical Journal</i> , 1997 , 491, 381-387	4.7	35
137	SURVEYING THE DYNAMIC RADIO SKY WITH THE LONG WAVELENGTH DEMONSTRATOR ARRAY. <i>Astronomical Journal</i> , 2010 , 140, 1995-2006	4.9	33
136	A Multiwavelength Investigation of the Relationship between 2CG 135+1 and LSI +61o303. <i>Astrophysical Journal</i> , 1998 , 497, 419-430	4.7	33
135	X-RAY PULSATIONS FROM THE RADIO-QUIET GAMMA-RAY PULSAR IN CTA 1. <i>Astrophysical Journal Letters</i> , 2010 , 725, L6-L10	7.9	32
134	A Pulsar Survey of 18 Supernova Remnants. <i>Astrophysical Journal</i> , 1996 , 458, 257	4.7	32
133	The NANOGrav 12.5 yr Data Set: Wideband Timing of 47 Millisecond Pulsars. <i>Astrophysical Journal, Supplement Series</i> , 2021 , 252, 5	8	31
132	NICER X-Ray Observations of Seven Nearby Rotation-powered Millisecond Pulsars. <i>Astrophysical Journal Letters</i> , 2019 , 887, L27	7.9	31
131	LOFAR Discovery of the Fastest-spinning Millisecond Pulsar in the Galactic Field. <i>Astrophysical Journal Letters</i> , 2017 , 846, L20	7.9	30
130	FERMILARGE AREA TELESCOPE OBSERVATIONS OF PSR J1836+5925. <i>Astrophysical Journal</i> , 2010 , 712, 1209-1218	4.7	30

129	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	4.7	30
128	MULTIWAVELENGTH OBSERVATIONS OF THE REDBACK MILLISECOND PULSAR J1048+2339. <i>Astrophysical Journal</i> , 2016 , 823, 105	4.7	30
127	PSR J1024-0719: A MILLISECOND PULSAR IN AN UNUSUAL LONG-PERIOD ORBIT. <i>Astrophysical Journal</i> , 2016 , 826, 86	4.7	29
126	Observation of X-Ray Variability in the BL Lacertae Object 1ES 1959+65. <i>Astrophysical Journal</i> , 2002 , 571, 763-770	4.7	29
125	SIX NEW MILLISECOND PULSARS FROM ARECIBO SEARCHES OFFERMIGAMMA-RAY SOURCES. <i>Astrophysical Journal</i> , 2016 , 819, 34	4.7	28
124	The gamma-ray millisecond pulsar deathline, revisited. <i>Astronomy and Astrophysics</i> , 2016 , 587, A109	5.1	28
123	THE LONG WAVELENGTH ARRAY SOFTWARE LIBRARY. <i>Journal of Astronomical Instrumentation</i> , 2012 , 01, 1250006	0.8	28
122	Long-Term X-Ray Variability of Circinus X-1. <i>Astrophysical Journal</i> , 2003 , 595, 333-341	4.7	28
121	PSR J0007+7303 IN THE CTA1 SUPERNOVA REMNANT: NEW GAMMA-RAY RESULTS FROM TWO YEARS OFFERMILARGE AREA TELESCOPE OBSERVATIONS. <i>Astrophysical Journal</i> , 2012 , 744, 146	4.7	27
120	A Search for Radio-quiet Gamma-Ray Pulsars. <i>Astrophysical Journal</i> , 2001 , 556, 59-69	4.7	27
119	EINSTEIN@HOME DISCOVERY OF FOUR YOUNG GAMMA-RAY PULSARS IN FERMI LAT DATA. <i>Astrophysical Journal Letters</i> , 2013 , 779, L11	7.9	26
118	The low-frequency array (LOFAR): opening a new window on the universe. <i>Planetary and Space Science</i> , 2004 , 52, 1343-1349	2	26
117	Disk Diffusion Propagation Model for the Outburst of XTE J1118+480. <i>Astrophysical Journal</i> , 2001 , 563, 246-254	4.7	26
116	PSRs J0248+6021 and J2240+5832: young pulsars in the northern Galactic plane. <i>Astronomy and Astrophysics</i> , 2011 , 525, A94	5.1	25
115	VARIABILITY IN THE ORBITAL PROFILES OF THE X-RAY EMISSION OF THE X-RAY BINARY LS I +61°303. <i>Astrophysical Journal Letters</i> , 2010 , 719, L104-L108	7.9	25
114	A Strong X-Ray Burst from the Low-Mass X-Ray Binary EXO 0748-676. <i>Astrophysical Journal</i> , 2005 , 632, 1099-1103	4.7	24
113	Modeling the Uncertainties of Solar System Ephemerides for Robust Gravitational-wave Searches with Pulsar-timing Arrays. <i>Astrophysical Journal</i> , 2020 , 893, 112	4.7	23
112	LONG-TERM X-RAY MONITORING OF LS I +61°B03: ANALYSIS OF SPECTRAL VARIABILITY AND FLARES. <i>Astrophysical Journal</i> , 2011 , 733, 89	4.7	23

111	The NANOGrav 11 yr Data Set: Limits on Gravitational Wave Memory. <i>Astrophysical Journal</i> , 2020 , 889, 38	4.7	22
110	NICER Discovers the Ultracompact Orbit of the Accreting Millisecond Pulsar IGR J17062-0143. <i>Astrophysical Journal Letters</i> , 2018 , 858, L13	7.9	22
109	A RADIO PULSAR SEARCH OF THE X-RAY BINARIES LS I +61 303 AND LS 5039. <i>Astrophysical Journal</i> , 2011 , 738, 105	4.7	22
108	A New Radio Detection of the Transient Bursting Source GCRT J1745-009. <i>Astrophysical Journal</i> , 2006 , 639, 348-353	4.7	22
107	NGC 300 ULX1: spin evolution, super-Eddington accretion, and outflows. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 488, 5225-5231	4.3	21
106	LOFT: the Large Observatory For X-ray Timing 2012 ,		21
105	A Luminous and Highly Variable Gamma-Ray Flare Following the 2017 Periastron of PSR B1259-03/LS 2883. <i>Astrophysical Journal</i> , 2018 , 863, 27	4.7	21
104	An image-based search for pulsars among Fermi unassociated LAT sources. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 475, 942-954	4.3	20
103	Discovery of gamma- and X-ray pulsations from the young and energetic PSR J1357-0429 with Fermi and XMM-Newton. <i>Astronomy and Astrophysics</i> , 2011 , 533, A102	5.1	20
102	A 350-MHz GBT Survey of 50 Faint Fermi X-ray Sources for Radio Millisecond Pulsars 2011 ,		20
101	DISCOVERY OF A MILLISECOND PULSAR IN THE 5.4 DAY BINARY 3FGL J1417.5-0402: OBSERVING THE LATE PHASE OF PULSAR RECYCLING. <i>Astrophysical Journal</i> , 2016 , 820, 6	4.7	19
100	A Faint, Steep-Spectrum Burst from the Radio Transient GCRT J1745-3009. <i>Astrophysical Journal</i> , 2007 , 660, L121-L124	4.7	19
99	The Orbit of the High-Mass X-Ray Binary Pulsar 1E 1145.1-0141. <i>Astrophysical Journal</i> , 2002 , 581, 1293-1296	4.7	19
98	NuSTAR and NICER reveal IGR J17591-0342 as a new accreting millisecond X-ray pulsar. <i>Astronomy and Astrophysics</i> , 2018 , 617, L8	5.1	19
97	X-Ray and Optical Studies of the Redback System PSR J2129-0429. <i>Astrophysical Journal</i> , 2018 , 861, 89	4.7	18
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	4.7	18
95	Intrabinary shock emission from Black widows and Redbacks. <i>Astronomische Nachrichten</i> , 2014 , 335, 313-317	0.7	17
94	CIRCULARLY POLARIZED EMISSION FROM THE TRANSIENT BURSTING RADIO SOURCE GCRT J1745-009. <i>Astrophysical Journal Letters</i> , 2010 , 712, L5-L9	7.9	17

93	PSR J2030+3641: RADIO DISCOVERY AND GAMMA-RAY STUDY OF A MIDDLE-AGED PULSAR IN THE NOW IDENTIFIED FERMI-LAT SOURCE 1FGL J2030.0+3641. <i>Astrophysical Journal</i> , 2012 , 746, 39	4.7	16
92	Astrophysics Milestones for Pulsar Timing Array Gravitational-wave Detection. <i>Astrophysical Journal Letters</i> , 2021 , 911, L34	7.9	16
91	The NANOGrav 11 yr Data Set: Solar Wind Sounding through Pulsar Timing. <i>Astrophysical Journal</i> , 2019 , 872, 150	4.7	15
90	PINT: A Modern Software Package for Pulsar Timing. <i>Astrophysical Journal</i> , 2021 , 911, 45	4.7	15
89	The Einstein@Home Gamma-ray Pulsar Survey. II. Source Selection, Spectral Analysis, and Multiwavelength Follow-up. <i>Astrophysical Journal</i> , 2018 , 854, 99	4.7	14
88	Commensal low frequency observing on the NRAO VLA: VLITE status and future plans 2016 ,		14
87	A HIGHLY ECCENTRIC 3.9 MILLISECOND BINARY PULSAR IN THE GLOBULAR CLUSTER NGC 6652. <i>Astrophysical Journal Letters</i> , 2015 , 807, L23	7.9	14
86	The missing GeV γ -ray binary: searching for HESS J0632+057 with Fermi-LAT. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 436, 740-749	4.3	14
85	DETECTION AND FLUX DENSITY MEASUREMENTS OF THE MILLISECOND PULSAR J2145-0750 BELOW 100 MHz. <i>Astrophysical Journal Letters</i> , 2013 , 775, L28	7.9	14
84	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	4.3	14
83	High-precision X-Ray Timing of Three Millisecond Pulsars with NICER: Stability Estimates and Comparison with Radio. <i>Astrophysical Journal</i> , 2019 , 874, 160	4.7	13
82	The 2019 super-Eddington outburst of RX J0209.6-4227: detection of pulsations and constraints on the magnetic field strength. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 494, 5350-5359	4.3	13
81	The NANOGrav 11 yr Data Set: Evolution of Gravitational-wave Background Statistics. <i>Astrophysical Journal</i> , 2020 , 890, 108	4.7	13
80	Einstein@Home discovers a radio-quiet gamma-ray millisecond pulsar. <i>Science Advances</i> , 2018 , 4, eaao7228	4.3	13
79	Anti-glitches in the Ultraluminous Accreting Pulsar NGC 300 ULX-1 Observed with NICER. <i>Astrophysical Journal</i> , 2019 , 879, 130	4.7	13
78	H α EMISSION VARIABILITY IN THE γ -RAY BINARY LS I +61 303. <i>Astrophysical Journal</i> , 2010 , 724, 379-385	4.7	13
77	The NANOGrav 11 yr Data Set: Arecibo Observatory Polarimetry and Pulse Microcomponents. <i>Astrophysical Journal</i> , 2018 , 862, 47	4.7	13
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