

Manjari Bagchi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

49 papers	658 citations	13 h-index	24 g-index
51 ext. papers	803 ext. citations	3.8 avg, IF	4.13 L-index

#	Paper	IF	Citations
49	Low-frequency wideband timing of InPTA pulsars observed with the uGMRT. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022 , 512, 1234-1243	4.3	0
48	Magnetar XTE J1810-197: Spectro-temporal Evolution of Average Radio Emission. <i>Astrophysical Journal</i> , 2022 , 931, 67	4.7	
47	High precision measurements of interstellar dispersion measure with the upgraded GMRT. <i>Astronomy and Astrophysics</i> , 2021 , 651, A5	5.1	3
46	A study of dynamical effects in the observed second time-derivative of the spin or orbital frequencies of pulsars. <i>New Astronomy</i> , 2021 , 85, 101549	1.8	
45	pinta: The uGMRT data processing pipeline for the Indian Pulsar Timing Array. <i>Publications of the Astronomical Society of Australia</i> , 2021 , 38,	5.5	4
44	Evidence for profile changes in PSR J1713+0747 using the uGMRT. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2021 , 507, L57-L61	4.3	1
43	Distinct Properties of the Radio Burst Emission from the Magnetar XTE J1810-197. <i>Astrophysical Journal Letters</i> , 2019 , 882, L9	7.9	23
42	PSR J2234+0611: A New Laboratory for Stellar Evolution. <i>Astrophysical Journal</i> , 2019 , 870, 74	4.7	17
41	The Discovery of Six Recycled Pulsars from the Arecibo 327 MHz Drift-Scan Pulsar Survey. <i>Astrophysical Journal</i> , 2019 , 881, 166	4.7	4
40	A Negligible Tidal Effect in a Periastron Precession in Neutron StarBlack Hole (Stellar Mass) Binaries. <i>Research Notes of the AAS</i> , 2019 , 3, 125	0.8	
39	Prospects of Constraining the Dense Matter Equation of State from Timing Analysis of Pulsars in Double Neutron Star Binaries: The Cases of PSR J0737 - 3039A and PSR J1757 - 1854. <i>Universe</i> , 2018 , 4, 36	2.5	5
38	Dynamical Effects in the Observed Rate of Change of the Orbital and the Spin Periods of Radio Pulsars: Improvement in the Method of Estimation and Its Implications. <i>Astrophysical Journal</i> , 2018 , 868, 123	4.7	3
37	Precision pulsar timing with the ORT and the GMRT and its applications in pulsar astrophysics. <i>Journal of Astrophysics and Astronomy</i> , 2018 , 39, 1	1.4	26
36	A Unified Model for Repeating and Non-repeating Fast Radio Bursts. <i>Astrophysical Journal Letters</i> , 2017 , 838, L16	7.9	11
35	Pulsar J1411+2551: A Low-mass Double Neutron Star System. <i>Astrophysical Journal Letters</i> , 2017 , 851, L29	7.9	33
34	NEW DISCOVERIES FROM THE ARECIBO 327 MHz DRIFT PULSAR SURVEY RADIO TRANSIENT SEARCH. <i>Astrophysical Journal</i> , 2016 , 821, 10	4.7	26
33	Neutron Star Physics in the Square Kilometre Array Era: An Indian Perspective. <i>Journal of Astrophysics and Astronomy</i> , 2016 , 37, 1	1.4	11

32	Neutron Stars in the Light of Square Kilometre Array: Data, Statistics and Science. <i>Journal of Astrophysics and Astronomy</i> , 2016 , 37, 1	1.4	
31	PULSAR J0453+1559: A DOUBLE NEUTRON STAR SYSTEM WITH A LARGE MASS ASYMMETRY. <i>Astrophysical Journal</i> , 2015 , 812, 143	4.7	14 ⁰
30	Thirty Meter Telescope Detailed Science Case: 2015. <i>Research in Astronomy and Astrophysics</i> , 2015 , 15, 1945-2140	1.5	65
29	In what sense a neutron star-black hole binary is the holy grail for testing gravity?. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014 , 2014, 055-055	6.4	3
28	Constraining the luminosity function parameters and population size of radio pulsars in globular clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 431, 874-881	4.3	15
27	Periastron advance in neutron starBlack hole binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 428, 1201-1206	4.3	4
26	GOALS, STRATEGIES AND FIRST DISCOVERIES OF AO327, THE ARECIBO ALL-SKY 327 MHz DRIFT PULSAR SURVEY. <i>Astrophysical Journal</i> , 2013 , 775, 51	4.7	57
25	On the detectability of eccentric binary pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 432, 1303-1314	4.3	28
24	LUMINOSITIES OF RADIO PULSARS. <i>International Journal of Modern Physics D</i> , 2013 , 22, 1330021	2.2	4
23	A search for dispersed radio bursts in archival Parkes Multibeam Pulsar Survey data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 425, 2501-2506	4.3	18
22	Constraining the luminosity function parameters and population size of radio pulsars in globular clusters. <i>Proceedings of the International Astronomical Union</i> , 2012 , 8, 257-260	0.1	
21	The role of binding energies of neutron stars on the accretion-driven evolution. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2011 , 413, L47-L50	4.3	12
20	Luminosities of recycled radio pulsars in globular clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 418, 477-489	4.3	38
19	Rotational parameters of strange stars in comparison with neutron stars. <i>New Astronomy</i> , 2010 , 15, 126-134	1.34	6
18	ORBITAL ECCENTRICITY OF BINARY RADIO PULSARS IN GLOBULAR CLUSTERS AND THE INTERACTION BETWEEN STARS. <i>Astrophysical Journal</i> , 2009 , 693, L91-L95	4.7	8
17	Ruling out Kozai resonance in highly eccentric galactic binary millisecond pulsar PSR J1903+0327. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2009 , 399, L123-L127	4.3	7
16	Members of the double pulsar system PSR J0737-3039: Neutron stars or strange stars?. <i>New Astronomy</i> , 2009 , 14, 37-39	1.8	3
15	RADIO PULSAR BINARIES IN GLOBULAR CLUSTERS: THEIR ORBITAL ECCENTRICITIES AND STELLAR INTERACTIONS. <i>Astrophysical Journal</i> , 2009 , 701, 1161-1174	4.7	3

14	Chromothermal oscillations and collapse of strange stars to black holes: astrophysical implications. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008 , 387, 115-120	4.3	1
13	High-Density Skyrmion Matter and Neutron Stars. <i>Astrophysical Journal</i> , 2008 , 678, 360-368	4.7	1
12	Bound for entropy and viscosity ratio of strange quark matter. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 666, 145-149	4.2	0
11	A Three-Stage Model for the Inner Engine of Gamma-Ray Bursts: Prompt Emission and Early Afterglow. <i>Astrophysical Journal</i> , 2007 , 667, 340-350	4.7	35
10	Mean-field baryon magnetic moments and sumrules. <i>Europhysics Letters</i> , 2006 , 75, 548-554	1.6	2
9	Compact strange stars with a medium dependence in gluons at finite temperature. <i>Astronomy and Astrophysics</i> , 2006 , 450, 431-435	5.1	12
8	Strange stars at finite temperature. <i>Journal of Physics: Conference Series</i> , 2006 , 31, 107-110	0.3	1
7	Strange pulsar hypothesis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006 , 365, 1383-1386	4.3	4
6	Evidence for strange stars from joint observation of harmonic absorption bands and of redshift. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006 , 368, 971-975	4.3	5
5	Strange star Equation of State with a modified Richardson potential. <i>Advances in Space Research</i> , 2006 , 38, 2912-2914	2.4	
4	Decoupling of pion coupling from quarks at high density in three models, and its possible observational consequences. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 618, 115-122	4.2	1
3	Newtonian and general relativistic contribution of gravity to surface tension of strange stars. <i>Astronomy and Astrophysics</i> , 2005 , 440, L33-L36	5.1	5
2	A model finding a new Richardson potential with different scales for confinement and asymptotic freedom, by fitting the properties of Ξ^+ and. <i>Nuclear Physics A</i> , 2004 , 740, 109-118	1.3	7
1	Incompressibility of strange matter. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 590, 120-125	4.2	5