Manjari Bagchi

List of Publications by Citations

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	PULSAR J0453+1559: A DOUBLE NEUTRON STAR SYSTEM WITH A LARGE MASS ASYMMETRY. *Astrophysical Journal*, **2015**, 812, 143	4.7	140
48	Thirty Meter Telescope Detailed Science Case: 2015. *Research in Astronomy and Astrophysics*, **2015**, 15, 1945-2140	1.5	65
47	GOALS, STRATEGIES AND FIRST DISCOVERIES OF AO327, THE ARECIBO ALL-SKY 327 MHz DRIFT PULSAR SURVEY. *Astrophysical Journal*, **2013**, 775, 51	4.7	57
46	Luminosities of recycled radio pulsars in globular clusters. *Monthly Notices of the Royal Astronomical Society*, **2011**, 418, 477-489	4.3	38
45	A Three-Stage Model for the Inner Engine of Gamma-Ray Bursts: Prompt Emission and Early Afterglow. *Astrophysical Journal*, **2007**, 667, 340-350	4.7	35
44	Pulsar J1411+2551: A Low-mass Double Neutron Star System. *Astrophysical Journal Letters*, **2017**, 851, L29	7.9	33
43	On the detectability of eccentric binary pulsars. *Monthly Notices of the Royal Astronomical Society*, **2013**, 432, 1303-1314	4.3	28
42	NEW DISCOVERIES FROM THE ARECIBO 327 MHz DRIFT PULSAR SURVEY RADIO TRANSIENT SEARCH. *Astrophysical Journal*, **2016**, 821, 10	4.7	26
41	Precision pulsar timing with the ORT and the GMRT and its applications in pulsar astrophysics. *Journal of Astrophysics and Astronomy*, **2018**, 39, 1	1.4	26
40	Distinct Properties of the Radio Burst Emission from the Magnetar XTE J1810197. *Astrophysical Journal Letters*, **2019**, 882, L9	7.9	23
39	A search for dispersed radio bursts in archival Parkes Multibeam Pulsar Survey data. *Monthly Notices of the Royal Astronomical Society*, **2012**, 425, 2501-2506	4.3	18
38	PSR J2234+0611: A New Laboratory for Stellar Evolution. *Astrophysical Journal*, **2019**, 870, 74	4.7	17
37	Constraining the luminosity function parameters and population size of radio pulsars in globular clusters. *Monthly Notices of the Royal Astronomical Society*, **2013**, 431, 874-881	4.3	15
36	The role of binding energies of neutron stars on the accretion-driven evolution. *Monthly Notices of the Royal Astronomical Society: Letters*, **2011**, 413, L47-L50	4.3	12
35	Compact strange stars with a medium dependence in gluons at finite temperature. *Astronomy and Astrophysics*, **2006**, 450, 431-435	5.1	12
34	A Unified Model for Repeating and Non-repeating Fast Radio Bursts. *Astrophysical Journal Letters*, **2017**, 838, L16	7.9	11
33	Neutron Star Physics in the Square Kilometre Array Era: An Indian Perspective. *Journal of Astrophysics and Astronomy*, **2016**, 37, 1	1.4	11

32	ORBITAL ECCENTRICITY OF BINARY RADIO PULSARS IN GLOBULAR CLUSTERS AND THE INTERACTION BETWEEN STARS. *Astrophysical Journal*, **2009**, 693, L91-L95	4.7	8
31	Ruling out Kozai resonance in highly eccentric galactic binary millisecond pulsar PSR J1903+0327. *Monthly Notices of the Royal Astronomical Society: Letters*, **2009**, 399, L123-L127	4.3	7
30	A model finding a new Richardson potential with different scales for confinement and asymptotic freedom, by fitting the properties of □+ and. *Nuclear Physics A*, **2004**, 740, 109-118	1.3	7
29	Rotational parameters of strange stars in comparison with neutron stars. *New Astronomy*, **2010**, 15, 126-134	1.8	6
28	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. *Universe*, **2018**, 4, 36	2.5	5
27	Evidence for strange stars from joint observation of harmonic absorption bands and of redshift. *Monthly Notices of the Royal Astronomical Society*, **2006**, 368, 971-975	4.3	5
26	Incompressibility of strange matter. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2004**, 590, 120-125	4.2	5
25	Newtonian and general relativistic contribution of □gravity□ to□surface tension of strange stars. *Astronomy and Astrophysics*, **2005**, 440, L33-L36	5.1	5
24	Periastron advance in neutron star□black hole binaries. *Monthly Notices of the Royal Astronomical Society*, **2013**, 428, 1201-1206	4.3	4
23	LUMINOSITIES OF RADIO PULSARS. *International Journal of Modern Physics D*, **2013**, 22, 1330021	2.2	4
22	Strange pulsar hypothesis. *Monthly Notices of the Royal Astronomical Society*, **2006**, 365, 1383-1386	4.3	4
21	The Discovery of Six Recycled Pulsars from the Arecibo 327 MHz Drift-Scan Pulsar Survey. *Astrophysical Journal*, **2019**, 881, 166	4.7	4
20	pinta: The uGMRT data processing pipeline for the Indian Pulsar Timing Array. *Publications of the Astronomical Society of Australia*, **2021**, 38,	5.5	4
19	In what sense a neutron star-black hole binary is the holy grail for testing gravity?. *Journal of Cosmology and Astroparticle Physics*, **2014**, 2014, 055-055	6.4	3
18	Members of the double pulsar system PSR J0737-3039: Neutron stars or strange stars?. *New Astronomy*, **2009**, 14, 37-39	1.8	3
17	RADIO PULSAR BINARIES IN GLOBULAR CLUSTERS: THEIR ORBITAL ECCENTRICITIES AND STELLAR INTERACTIONS. *Astrophysical Journal*, **2009**, 701, 1161-1174	4.7	3
16	High precision measurements of interstellar dispersion measure with the upgraded GMRT. *Astronomy and Astrophysics*, **2021**, 651, A5	5.1	3
15	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. *Astrophysical Journal*, **2018**, 868, 123	4.7	3

14	Mean-field baryon magnetic moments and sumrules. *Europhysics Letters*, **2006**, 75, 548-554	1.6	2
13	Chromothermal oscillations and collapse of strange stars to black holes: astrophysical implications. *Monthly Notices of the Royal Astronomical Society*, **2008**, 387, 115-120	4.3	1
12	High-Density Skyrmion Matter and Neutron Stars. *Astrophysical Journal*, **2008**, 678, 360-368	4.7	1
11	Strange stars at finite temperature. *Journal of Physics: Conference Series*, **2006**, 31, 107-110	0.3	1
10	Decoupling of pion coupling from quarks at high density in three models, and its possible observational consequences. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2005**, 618, 115-122	4.2	1
9	Evidence for profile changes in PSR J1713+0747 using the uGMRT. *Monthly Notices of the Royal Astronomical Society: Letters*, **2021**, 507, L57-L61	4.3	1
8	Bound for entropy and viscosity ratio of strange quark matter. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2008**, 666, 145-149	4.2	0
7	Low-frequency wideband timing of InPTA pulsars observed with the uGMRT. *Monthly Notices of the Royal Astronomical Society*, **2022**, 512, 1234-1243	4.3	0
6	Constraining the luminosity function parameters and population size of radio pulsars in globular clusters. *Proceedings of the International Astronomical Union*, **2012**, 8, 257-260	0.1	
5	Strange star Equation of State with a modified Richardson potential. *Advances in Space Research*, **2006**, 38, 2912-2914	2.4	
4	A Negligible Tidal Effect in a Periastron Precession in Neutron Star–Black Hole (Stellar Mass) Binaries. *Research Notes of the AAS*, **2019**, 3, 125	0.8	
3	Neutron Stars in the Light of Square Kilometre Array: Data, Statistics and Science. *Journal of Astrophysics and Astronomy*, **2016**, 37, 1	1.4	
2	A study of dynamical effects in the observed second time-derivative of the spin or orbital frequencies of pulsars. *New Astronomy*, **2021**, 85, 101549	1.8	
1	Magnetar XTE J1810−197: Spectro-temporal Evolution of Average Radio Emission. *Astrophysical Journal*, **2022**, 931, 67	4.7	