Manjari Bagchi

List of Publications by Year in descending order

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567247 454934 51 971 15 30 citations h-index g-index papers 51 51 51 1597 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	PULSAR J0453+1559: A DOUBLE NEUTRON STAR SYSTEM WITH A LARGE MASS ASYMMETRY. Astrophysical Journal, 2015, 812, 143.	4.5	189
2	Thirty Meter Telescope Detailed Science Case: 2015. Research in Astronomy and Astrophysics, 2015, 15, 1945-2140.	1.7	118
3	GOALS, STRATEGIES AND FIRST DISCOVERIES OF AO327, THE ARECIBO ALL-SKY 327 MHz DRIFT PULSAR SURVEY. Astrophysical Journal, 2013, 775, 51.	4.5	77
4	Precision pulsar timing with the ORT and the GMRT and its applications in pulsar astrophysics. Journal of Astrophysics and Astronomy, 2018, 39, 1.	1.0	56
5	Pulsar J1411+2551: A Low-mass Double Neutron Star System. Astrophysical Journal Letters, 2017, 851, L29.	8.3	50
6	A Threeâ€Stage Model for the Inner Engine of Gammaâ€Ray Bursts: Prompt Emission and Early Afterglow. Astrophysical Journal, 2007, 667, 340-350.	4.5	45
7	Luminosities of recycled radio pulsars in globular clusters. Monthly Notices of the Royal Astronomical Society, 2011, 418, 477-489.	4.4	43
8	On the detectability of eccentric binary pulsars. Monthly Notices of the Royal Astronomical Society, 2013, 432, 1303-1314.	4.4	36
9	NEW DISCOVERIES FROM THE ARECIBO 327 MHz DRIFT PULSAR SURVEY RADIO TRANSIENT SEARCH. Astrophysical Journal, 2016, 821, 10.	4.5	35
10	PSR J2234+0611: A New Laboratory for Stellar Evolution. Astrophysical Journal, 2019, 870, 74.	4.5	32
11	Distinct Properties of the Radio Burst Emission from the Magnetar XTE J1810–197. Astrophysical Journal Letters, 2019, 882, L9.	8.3	31
12	A search for dispersed radio bursts in archival Parkes Multibeam Pulsar Survey data. Monthly Notices of the Royal Astronomical Society, 2012, 425, 2501-2506.	4.4	18
13	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.	4.4	16
14	Compact strange stars with a medium dependence in gluons atÂfinite temperature. Astronomy and Astrophysics, 2006, 450, 431-435.	5.1	15
15	Neutron Star Physics in the Square Kilometre Array Era: An Indian Perspective. Journal of Astrophysics and Astronomy, 2016, 37, 1.	1.0	15
16	A Unified Model for Repeating and Non-repeating Fast Radio Bursts. Astrophysical Journal Letters, 2017, 838, L16.	8.3	15
17	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.	3.3	14
18	<tt>pinta</tt> : The uGMRT data processing pipeline for the Indian Pulsar Timing Array. Publications of the Astronomical Society of Australia, 2021, 38, .	3.4	14

#	Article	IF	Citations
19	Evidence for profile changes in PSR J1713+0747 using the uGMRT. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 507, L57-L61.	3.3	14
20	The Discovery of Six Recycled Pulsars from the Arecibo 327 MHz Drift-Scan Pulsar Survey. Astrophysical Journal, 2019, 881, 166.	4.5	14
21	A model finding a new Richardson potential with different scales for confinement and asymptotic freedom, by fitting the properties of \hat{l} "++ and. Nuclear Physics A, 2004, 740, 109-118.	1.5	10
22	High precision measurements of interstellar dispersion measure with the upgraded GMRT. Astronomy and Astrophysics, 2021, 651, A5.	5.1	10
23	Low-frequency wideband timing of InPTA pulsars observed with the uGMRT. Monthly Notices of the Royal Astronomical Society, 2022, 512, 1234-1243.	4.4	10
24	ORBITAL ECCENTRICITY OF BINARY RADIO PULSARS IN GLOBULAR CLUSTERS AND THE INTERACTION BETWEEN STARS. Astrophysical Journal, 2009, 693, L91-L95.	4.5	8
25	LUMINOSITIES OF RADIO PULSARS. International Journal of Modern Physics D, 2013, 22, 1330021.	2.1	8
26	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.	3.3	7
27	Rotational parameters of strange stars in comparison with neutron stars. New Astronomy, 2010, 15, 126-134.	1.8	6
28	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.	4.5	6
29	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	6
30	Incompressibility of strange matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 590, 120-125.	4.1	5
31	Strange pulsar hypothesis. Monthly Notices of the Royal Astronomical Society, 2006, 365, 1383-1386.	4.4	5
32	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.	4.4	5
33	Periastron advance in neutron star–black hole binaries. Monthly Notices of the Royal Astronomical Society, 2013, 428, 1201-1206.	4.4	5
34	Newtonian and general relativistic contribution ofÂgravityÂtoÂsurface tension of strange stars. Astronomy and Astrophysics, 2005, 440, L33-L36.	5.1	5
35	Magnetar XTE J1810–197: Spectro-temporal Evolution of Average Radio Emission. Astrophysical Journal, 2022, 931, 67.	4.5	5
36	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.	5.4	4

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37	RADIO PULSAR BINARIES IN GLOBULAR CLUSTERS: THEIR ORBITAL ECCENTRICITIES AND STELLAR INTERACTIONS. Astrophysical Journal, 2009, 701, 1161-1174.	4.5	4
38	Members of the double pulsar system PSR J0737-3039: Neutron stars or strange stars?. New Astronomy, 2009, 14, 37-39.	1.8	3
39	Strange stars at finite temperature. Journal of Physics: Conference Series, 2006, 31, 107-110.	0.4	2
40	Mean-field baryon magnetic moments and sumrules. Europhysics Letters, 2006, 75, 548-554.	2.0	2
41	Chromothermal oscillations and collapse of strange stars to black holes: astrophysical implications. Monthly Notices of the Royal Astronomical Society, 2008, 387, 115-120.	4.4	2
42	The luminosity function of cluster pulsars. AIP Conference Proceedings, 2011, , . Decoupling of pion coupling <a href="mailto:math-altimg=" m<="" math-altimg="stl.git" overflow="stl.git" stl.git"="" td=""><td>0.4</td><td>2</td>	0.4	2
43	xmins:xocs="http://www.eisevier.com/xmi/xocs/dtd" xmins:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd"	4.1	1
44	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.	4.1	1
45	Highâ€Density Skyrmion Matter and Neutron Stars. Astrophysical Journal, 2008, 678, 360-368.	4.5	1
46	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
47	Strange star Equation of State with a modified Richardson potential. Advances in Space Research, 2006, 38, 2912-2914.	2.6	0
48	Strange Stars : An interesting member of the compact object family. AIP Conference Proceedings, 2008,	0.4	0
49	Constraining the luminosity function parameters and population size of radio pulsars in globular clusters. Proceedings of the International Astronomical Union, 2012, 8, 257-260.	0.0	0
50	Neutron Stars in the Light of Square Kilometre Array: Data, Statistics and Science. Journal of Astrophysics and Astronomy, 2016, 37, 1.	1.0	0
51	A Negligible Tidal Effect in a Periastron Precession in Neutron Star–Black Hole (Stellar Mass) Binaries. Research Notes of the AAS, 2019, 3, 125.	0.7	0