

Manjari Bagchi

List of Publications by Year in descending order

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51
papers

971
citations

567247

15
h-index

454934

30
g-index

51
all docs

51
docs citations

51
times ranked

1597
citing authors

#	ARTICLE	IF	CITATIONS
1	PULSAR J0453+1559: A DOUBLE NEUTRON STAR SYSTEM WITH A LARGE MASS ASYMMETRY. <i>Astrophysical Journal</i> , 2015, 812, 143.	4.5	189
2	Thirty Meter Telescope Detailed Science Case: 2015. <i>Research in Astronomy and Astrophysics</i> , 2015, 15, 1945-2140.	1.7	118
3	GOALS, STRATEGIES AND FIRST DISCOVERIES OF AO327, THE ARECIBO ALL-SKY 327 MHz DRIFT PULSAR SURVEY. <i>Astrophysical Journal</i> , 2013, 775, 51.	4.5	77
4	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.	1.0	56
5	Pulsar J1411+2551: A Low-mass Double Neutron Star System. <i>Astrophysical Journal Letters</i> , 2017, 851, L29.	8.3	50
6	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.	4.5	45
7	Luminosities of recycled radio pulsars in globular clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 418, 477-489.	4.4	43
8	On the detectability of eccentric binary pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 432, 1303-1314.	4.4	36
9	NEW DISCOVERIES FROM THE ARECIBO 327 MHz DRIFT PULSAR SURVEY RADIO TRANSIENT SEARCH. <i>Astrophysical Journal</i> , 2016, 821, 10.	4.5	35
10	PSR J2234+0611: A New Laboratory for Stellar Evolution. <i>Astrophysical Journal</i> , 2019, 870, 74.	4.5	32
11	Distinct Properties of the Radio Burst Emission from the Magnetar XTE J1810-197. <i>Astrophysical Journal Letters</i> , 2019, 882, L9.	8.3	31
12	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.	4.4	18
13	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.	4.4	16
14	Compact strange stars with a medium dependence in gluons at finite temperature. <i>Astronomy and Astrophysics</i> , 2006, 450, 431-435.	5.1	15
15	Neutron Star Physics in the Square Kilometre Array Era: An Indian Perspective. <i>Journal of Astrophysics and Astronomy</i> , 2016, 37, 1.	1.0	15
16	A Unified Model for Repeating and Non-repeating Fast Radio Bursts. <i>Astrophysical Journal Letters</i> , 2017, 838, L16.	8.3	15
17	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.	3.3	14
18	<tt>pinta</tt>: The uGMRT data processing pipeline for the Indian Pulsar Timing Array. <i>Publications of the Astronomical Society of Australia</i> , 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{I}^{++} 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 $\hat{\epsilon}$ 3039A and PSR J1757 $\hat{\epsilon}$ 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 starâ€“black hole binaries. Monthly Notices of the Royal Astronomical Society, 2013, 428, 1201-1206.	4.4	5
34	Newtonian and general relativistic contribution of \hat{A} gravity \hat{A} to \hat{A} surface tension of strange stars. Astronomy and Astrophysics, 2005, 440, L33-L36.	5.1	5
35	Magnetar XTE J1810â€“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

