

Subharthi Ray

List of Publications by Year in descending order

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32
papers

1,343
citations

623734

14
h-index

526287

27
g-index

33
all docs

33
docs citations

33
times ranked

442
citing authors

#	ARTICLE	IF	CITATIONS
1	Strange stars with realistic quark vector interaction and phenomenological density-dependent scalar potential. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 438, 123-128.	4.1	260
2	Electrically charged compact stars and formation of charged black holes. <i>Physical Review D</i> , 2003, 68, .	4.7	206
3	Strange star equation of state fits the refined mass measurement of 12 pulsars and predicts their radii. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 431, 3216-3221.	4.4	194
4	Charged anisotropic models for quark stars. <i>Astrophysics and Space Science</i> , 2014, 352, 719-727.	1.4	111
5	Neutron stars in the Starobinsky model. <i>Physical Review D</i> , 2014, 89, .	4.7	96
6	On the Nature of the Compact Star in 4U 1728 \hat{a} '34. <i>Astrophysical Journal</i> , 1999, 527, L51-L54.	4.5	84
7	Compact stars with quadratic equation of state. <i>Astrophysics and Space Science</i> , 2015, 357, 1.	1.4	72
8	Quark star model with charged anisotropic matter. <i>Astrophysics and Space Science</i> , 2014, 354, 517-524.	1.4	56
9	Charged polytropic compact stars. <i>Brazilian Journal of Physics</i> , 2004, 34, 310-314.	1.4	52
10	Stellar objects in the quadratic regime. <i>Astrophysics and Space Science</i> , 2014, 354, 463-470.	1.4	51
11	Compact stars with linear equation of state in isotropic coordinates. <i>Astrophysics and Space Science</i> , 2015, 357, 1.	1.4	35
12	OF CHARGED STARS AND CHARGED BLACK HOLES. <i>International Journal of Modern Physics D</i> , 2004, 13, 1375-1379.	2.1	18
13	PHYSICAL PROPERTIES OF TOLMAN \hat{a} "BAYIN SOLUTIONS: SOME CASES OF STATIC CHARGED FLUID SPHERES IN GENERAL RELATIVITY. <i>International Journal of Modern Physics D</i> , 2007, 16, 1745-1759.	2.1	18
14	Origin and Interpretation of Kilohertz Quasi-periodic Oscillations from Strange Stars in an X-Ray Binary System: Theoretical Hydrodynamical Description. <i>Astrophysical Journal</i> , 2003, 584, L83-L86.	4.5	14
15	DENSITY DEPENDENT STRONG COUPLING CONSTANT OF QCD DERIVED FROM COMPACT STAR DATA. <i>Modern Physics Letters A</i> , 2000, 15, 1301-1306.	1.2	11
16	STABILITY OF STRANGE STARS (SS) DERIVED FROM A REALISTIC EQUATION OF STATE. <i>Modern Physics Letters A</i> , 2002, 17, 1783-1795.	1.2	9
17	HAVE WE OBSERVED THE SKIN VIBRATION OF REALISTIC STRANGE STARS (ReSS)?. <i>Modern Physics Letters A</i> , 2003, 18, 661-667.	1.2	9
18	Non-circular beam correction to the CMB power spectrum. <i>New Astronomy Reviews</i> , 2006, 50, 1030-1035.	12.8	8

#	ARTICLE	IF	CITATIONS
19	Cosmic microwave background power spectrum estimation with non-circular beam and incomplete sky coverage. Monthly Notices of the Royal Astronomical Society, 2009, 394, 1419-1439.	4.4	8
20	Possible evidence of surface vibration of strange stars from stellar observations. Monthly Notices of the Royal Astronomical Society, 2004, 353, 825-828.	4.4	7
21	GENERAL RELATIVISTIC EFFECTS OF STRONG MAGNETIC FIELDS ON THE GRAVITATIONAL FORCE: A DRIVING ENGINE FOR BURSTS OF GAMMA RAYS IN SGRS?. International Journal of Modern Physics D, 2007, 16, 489-499.	2.1	7
22	Incompressibility of strange matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 590, 120-125.	4.1	5
23	CHARGED POLYTROPIC STARS AND A GENERALIZATION OF LANÉ“EMDEN EQUATION. International Journal of Modern Physics D, 2004, 13, 1441-1445.	2.1	4
24	kHz QPOs in LMXBs, relations between different frequencies and compactness of stars. New Astronomy, 2012, 17, 43-45.	1.8	4
25	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
26	SELF-LENSING EFFECTS FOR COMPACT STARS AND THEIR MASS“RADIUS RELATION. Modern Physics Letters A, 2004, 19, 2431-2435.	1.2	1
27	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
28	QCD “MOTIVATED QUARK STARS IN THE LIGHT OF RECENT ASTROPHYSICAL OBSERVATIONS. International Journal of Modern Physics B, 2000, 14, 1939-1952.	2.0	0
29	Strange star Equation of State with a modified Richardson potential. Advances in Space Research, 2006, 38, 2912-2914.	2.6	0
30	Superbursts and long bursts as surface phenomenon of compact objects. Advances in Space Research, 2006, 38, 2915-2916.	2.6	0
31	Estimate of stellar masses from their QPO frequencies. Pramana - Journal of Physics, 2011, 77, 571-579.	1.8	0
32	Fast algorithm for the computation of the CMB polarization TE power spectrum using non-circular beam. New Astronomy, 2018, 64, 44-60.	1.8	0