

# Debabrata Deb

## List of Publications by Citations

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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.

29  
papers

724  
citations

13  
h-index

26  
g-index

29  
ext. papers

957  
ext. citations

3.6  
avg, IF

4.69  
L-index

#	Paper	IF	Citations
29	Generalised model for anisotropic compact stars. <i>European Physical Journal C</i> , <b>2016</b> , 76, 1	4.2	83
28	Spherically symmetric charged compact stars. <i>European Physical Journal C</i> , <b>2015</b> , 75, 1	4.2	81
27	Relativistic model for anisotropic strange stars. <i>Annals of Physics</i> , <b>2017</b> , 387, 239-252	2.5	79
26	Exploring physical features of anisotropic strange stars beyond standard maximum mass limit in $f(R, T)$ gravity. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 485, 5652-5665	4.3	68
25	Study of anisotropic strange stars in $f(R, T)$ gravity: An embedding approach under the simplest linear functional of the matter-geometry coupling. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	59
24	Strange stars in $f(R, T)$ gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2018</b> , 2018, 044-044	6.4	57
23	Anisotropic strange stars under simplest minimal matter-geometry coupling in the $f(R, T)$ gravity. <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	51
22	A new model for spherically symmetric charged compact stars of embedding class 1. <i>European Physical Journal C</i> , <b>2017</b> , 77, 1	4.2	47
21	Anisotropic strange stars in Tolman-Ruchowicz spacetime. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1	4.2	42
20	Anisotropic strange stars in the Einstein-Maxwell spacetime. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1	4.2	34
19	A new model for strange stars. <i>General Relativity and Gravitation</i> , <b>2018</b> , 50, 1	2.3	23
18	Study on charged strange stars in $f(R, T)$ gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2019</b> , 2019, 070-070	6.4	23
17	Generalized anisotropic models for conformal symmetry. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	14
16	Study of gravastars under $f(T)$ gravity. <i>Nuclear Physics B</i> , <b>2020</b> , 954, 114986	2.8	11
15	A study of anisotropic compact stars based on embedding class 1 condition. <i>International Journal of Modern Physics D</i> , <b>2019</b> , 28, 1950116	2.2	9
14	Relativistic fluid spheres with Karmarkar condition. <i>International Journal of Modern Physics D</i> , <b>2018</b> , 27, 1950003	2.2	9
13	Charged strange stellar model describing by Tolman V metric. <i>Results in Physics</i> , <b>2021</b> , 20, 103648	3.7	9

12	Charged anisotropic strange stars in Finslerian geometry. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	7
11	Anisotropic strange star with Tolman V potential. <i>International Journal of Modern Physics D</i> , <b>2018</b> , 27, 1850089	2.2	5
10	Anisotropic strange star inspired by Finsler geometry. <i>International Journal of Modern Physics D</i> , <b>2020</b> , 29, 2050001	2.2	3
9	Anisotropic charged strange stars in Krori-Barua spacetime under $f(R,T)$ gravity. <i>Annals of Physics</i> , <b>2021</b> , 428, 168429	2.5	3
8	Study of the charged super-Chandrasekhar limiting mass white dwarfs in the $f(R,T)$ gravity. <i>Physical Review D</i> , <b>2020</b> , 101,	4.9	2
7	Effects of Anisotropy on Strongly Magnetized Neutron and Strange Quark Stars in General Relativity. <i>Astrophysical Journal</i> , <b>2021</b> , 922, 149	4.7	2
6	Non-isothermal decomposition kinetics of nano-scale $\text{CaCO}_3$ as a function of particle size variation. <i>Ceramics International</i> , <b>2021</b> , 47, 858-864	5.1	2
5	Analytic radiation model for perfect fluid under homotopy perturbation method. <i>Indian Journal of Physics</i> , <b>2021</b> , 95, 1581-1588	1.4	1
4	Anisotropic Magnetized White Dwarfs: Unifying Under- and Overluminous Peculiar and Standard Type Ia Supernovae. <i>Astrophysical Journal</i> , <b>2022</b> , 926, 66	4.7	0
3	A Relativistic Compact Stellar Model of Anisotropic Quark Matter Mixed with Dark Energy. <i>Advances in High Energy Physics</i> , <b>2021</b> , 2021, 1-7	1	0
2	Noncommutative black hole in the Finslerian spacetime. <i>Classical and Quantum Gravity</i> , <b>2021</b> , 38, 145019	3.3	0
1	A Model for Anisotropic Strange Stars. <i>Springer Proceedings in Physics</i> , <b>2018</b> , 65-68	0.2	