

Ksh. Newton Singh

List of Publications by Year in Descending Order

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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.

71 papers	1,240 citations	22 h-index	32 g-index
73 ext. papers	1,628 ext. citations	2.8 avg, IF	5.59 L-index

#	Paper	IF	Citations
71	Gravitationally decoupled anisotropic solution using polytropic EoS in the framework of 5D Einstein-Gauss-Bonnet Gravity. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	3
70	Gravitationally Decoupled Strange Star Model beyond the Standard Maximum Mass Limit in Einstein-Gauss-Bonnet Gravity. <i>Astrophysical Journal</i> , 2022 , 925, 208	4.7	5
69	Quark stars in 4-dimensional Einstein-Gauss-Bonnet gravity. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	5
68	Anisotropic stars in Brans-Dicke gravity. <i>Chinese Journal of Physics</i> , 2021 , 71, 548-560	3.5	7
67	Relativistic compact stars in the Kuchowicz space-time. <i>Indian Journal of Physics</i> , 2021 , 95, 1271-1281	1.4	1
66	Color-flavor locked quark stars in energy-momentum squared gravity. <i>Physics of the Dark Universe</i> , 2021 , 31, 100774	4.4	13
65	Color-flavor locked strange stars in 4D Einstein-Gauss-Bonnet gravity. <i>Physics of the Dark Universe</i> , 2021 , 31, 100792	4.4	9
64	Lyapunov exponent, ISCO and Kolmogorov-Sinai entropy for Kerr-Newman black hole. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	5
63	Modeling of compact stars: an anisotropic approach. <i>General Relativity and Gravitation</i> , 2021 , 53, 1	2.3	3
62	Charged spherical solution in $f(G,T)$ gravity via embedding. <i>Chinese Journal of Physics</i> , 2021 , 74, 313-313	3.5	4
61	Anisotropic compact stars model with generalized Bardeen-Motz Hayward mass function. <i>Modern Physics Letters A</i> , 2021 , 36, 2150190	1.3	
60	Anisotropic stars via embedding approach in Brans-Dicke gravity. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	5
59	Anisotropic Strange Star in 5 Einstein-Gauss-Bonnet Gravity. <i>Entropy</i> , 2021 , 23,	2.8	7
58	Non-singular solution for anisotropic model by gravitational decoupling in the framework of complete geometric deformation (CGD). <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	22
57	Tolman IV fluid sphere in bigravity. <i>European Physical Journal Plus</i> , 2020 , 135, 1	3.1	1
56	Physical properties of class I compact star model for linear and Starobinsky $f(R,T)$ functions. <i>Physics of the Dark Universe</i> , 2020 , 30, 100620	4.4	13
55	Gravitational decoupling minimal geometric deformation model in modified $f(R,T)$ gravity theory. <i>Physics of the Dark Universe</i> , 2020 , 30, 100640	4.4	36

54	Relativistic compact stars with dark matter density profile. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	5
53	Static fluid spheres admitting Karmarkar condition. <i>Chinese Physics C</i> , 2020 , 44, 035101	2.2	16
52	Anisotropic Karmarkar stars in $f(R, T)$ -gravity. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	22
51	Compact stars with exotic matter. <i>Physics of the Dark Universe</i> , 2020 , 29, 100575	4.4	7
50	Conformally symmetric traversable wormholes in modified teleparallel gravity. <i>Physical Review D</i> , 2020 , 101,	4.9	13
49	Dissipative collapse of a Karmarkar star. <i>Modern Physics Letters A</i> , 2020 , 35, 2050164	1.3	15
48	Anisotropic stars with a modified polytropic equation of state. <i>Physica Scripta</i> , 2020 , 95, 115301	2.6	10
47	Exploring physical properties of compact stars in $f(R, T)$ -gravity: An embedding approach. <i>Chinese Physics C</i> , 2020 , 44, 105106	2.2	5
46	Anisotropic stars in $(f(\textit{G}), \textit{T})$ gravity under class I space-time. <i>European Physical Journal Plus</i> , 2020 , 135, 1	3.1	15
45	Conformally symmetric traversable wormholes in $f(R, T)$ gravity. <i>Annals of Physics</i> , 2020 , 422, 168295	2.5	5
44	A generalized class one static solution. <i>Heliyon</i> , 2019 , 5, e01929	3.6	5
43	New exact anisotropic static spherically symmetric stellar models satisfying the Eiesland condition. <i>Annals of Physics</i> , 2019 , 402, 1-17	2.5	2
42	A generalized Finch-Skea class one static solution. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	20
41	Anisotropic fluid spheres satisfying the Karmarkar condition. <i>Modern Physics Letters A</i> , 2019 , 34, 1950113	1.3	7
40	Compact star models in class I spacetime. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	18
39	Einstein cluster mimicking compact star in the teleparallel equivalent of general relativity. <i>Physical Review D</i> , 2019 , 100,	4.9	9
38	Minimally deformed anisotropic model of class one space-time by gravitational decoupling. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	48
37	Anisotropic relativistic fluid spheres: an embedding class I approach. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	48

36	Compact star in Tolman-Buchowicz spacetime in the background of Einstein-Gauss-Bonnet gravity. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	7
35	Generating functions of wormholes. <i>Modern Physics Letters A</i> , 2019 , 34, 1950010	1.3	10
34	Relativistic fluid spheres with Karmarkar condition. <i>International Journal of Modern Physics D</i> , 2018 , 27, 1950003	2.2	9
33	Effect of electric charge on anisotropic compact stars in conformally symmetric spacetime. <i>Journal of Physics Communications</i> , 2018 , 2, 015002	1.2	10
32	Embedded class solutions compatible for physical compact stars in general relativity. <i>European Physical Journal A</i> , 2018 , 54, 1	2.5	13
31	Anisotropic compact stars in Karmarkar spacetime. <i>Chinese Physics C</i> , 2017 , 41, 015103	2.2	56
30	A charged anisotropic well-behaved Adler-Einchea solution satisfying Karmarkar condition. <i>International Journal of Modern Physics D</i> , 2017 , 26, 1750078	2.2	40
29	A new class of relativistic model of compact stars of embedding class I. <i>International Journal of Modern Physics D</i> , 2017 , 26, 1750090	2.2	30
28	A 4D spacetime embedded in a 5D pseudo-Euclidean space describing interior of compact stars. <i>European Physical Journal A</i> , 2017 , 53, 1	2.5	34
27	Conformally non-flat spacetime representing dense compact objects. <i>Modern Physics Letters A</i> , 2017 , 32, 1750093	1.3	25
26	Compact star modeling with quadratic equation of state in Tolman VII spacetime. <i>Indian Journal of Physics</i> , 2017 , 91, 701-709	1.4	26
25	A new relativistic stellar model with anisotropic fluid in Karmarkar spacetime. <i>Annals of Physics</i> , 2017 , 377, 256-267	2.5	26
24	New interior solution describing relativistic fluid sphere 2017 , 89, 1		15
23	A comparative study on generalized model of anisotropic compact star satisfying the Karmarkar condition. <i>European Physical Journal C</i> , 2017 , 77, 1	4.2	33
22	Physical viability of fluid spheres satisfying the Karmarkar condition. <i>European Physical Journal C</i> , 2017 , 77, 1	4.2	57
21	A hybrid spacetime of Schwarzschild interior and Vaidya-Mikekar solution as an embedding class I. <i>Indian Journal of Physics</i> , 2017 , 91, 343-350	1.4	20
20	A well-behaved charged anisotropic Tolman VII spacetime. <i>Canadian Journal of Physics</i> , 2016 , 94, 1017-1023		19
19	A new solution of embedding class I representing anisotropic fluid sphere in general relativity. <i>International Journal of Modern Physics D</i> , 2016 , 25, 1650099	2.2	48

18	Some analytic models of relativistic compact stars. <i>Indian Journal of Physics</i> , 2016 , 90, 1215-1223	1.4	26
17	Singularity free charged anisotropic solutions of Einstein-Maxwell field equations in general relativity. <i>Indian Journal of Physics</i> , 2016 , 90, 843-851	1.4	17
16	A family of well-behaved Karmarkar spacetimes describing interior of relativistic stars. <i>European Physical Journal C</i> , 2016 , 76, 1	4.2	70
15	Charged anisotropic Buchdahl solution as an embedding class I spacetime. <i>Astrophysics and Space Science</i> , 2016 , 361, 1	1.6	50
14	A new analytic solution representing anisotropic stellar objects in embedding class I. <i>Astrophysics and Space Science</i> , 2016 , 361, 1	1.6	54
13	Solutions of the Einstein field equations with anisotropic pressure compatible with cold star model. <i>Astrophysics and Space Science</i> , 2016 , 361, 1	1.6	37
12	Compact stellar models obeying quadratic equation of state. <i>Astrophysics and Space Science</i> , 2016 , 361, 1	1.6	20
11	Anisotropic compact star with Tolman IV gravitational potential. <i>Astrophysics and Space Science</i> , 2016 , 361, 1	1.6	22
10	Modeling quasar central engine as a relativistic radiating star. <i>Astrophysics and Space Science</i> , 2015 , 355, 171-177	1.6	5
9	Charged anisotropic superdense stars with constant stability factor. <i>Astrophysics and Space Science</i> , 2015 , 358, 1	1.6	18
8	Charge Analogue of Tolman IV Solution for Anisotropic Fluid. <i>International Journal of Theoretical Physics</i> , 2015 , 54, 3408-3423	1.1	23
7	Modeling Anisotropic Charged Neutron Star in Isotropic Coordinates 2015 , 3, 13		5
6	Anisotropic Charged Fluid Sphere in Isotropic Coordinates. <i>Journal of Gravity</i> , 2014 , 2014, 1-9		2
5	Color-flavor locked compact stars: An exact solution approach. <i>International Journal of Modern Physics A</i> ,	1.2	1
4	Possible Einstein cluster models in embedding class one spacetime. <i>Modern Physics Letters A</i> , 2150106	1.3	
3	Three-layered relativistic hybrid star with distinct equation of states. <i>Indian Journal of Physics</i> , 1	1.4	1
2	Shadows of Lorentzian traversable wormholes. <i>Classical and Quantum Gravity</i> ,	3.3	1
1	Physical Implications of Pure Lovelock Geometry on Stellar Structure. <i>Annalen Der Physik</i> , 2100596	2.6	0

