Ksh. Newton Singh

List of Publications by Citations

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	A family of well-behaved Karmarkar spacetimes describing interior of relativistic stars. *European Physical Journal C*, **2016**, 76, 1	4.2	70
70	Physical viability of fluid spheres satisfying the Karmarkar condition. *European Physical Journal C*, **2017**, 77, 1	4.2	57
69	Anisotropic compact stars in Karmarkar spacetime. *Chinese Physics C*, **2017**, 41, 015103	2.2	56
68	A new analytic solution representing anisotropic stellar objects in embedding class I. *Astrophysics and Space Science*, **2016**, 361, 1	1.6	54
67	Charged anisotropic Buchdahl solution as an embedding class I spacetime. *Astrophysics and Space Science*, **2016**, 361, 1	1.6	50
66	A new solution of embedding class I representing anisotropic fluid sphere in general relativity. *International Journal of Modern Physics D*, **2016**, 25, 1650099	2.2	48
65	Minimally deformed anisotropic model of class one space-time by gravitational decoupling. *European Physical Journal C*, **2019**, 79, 1	4.2	48
64	Anisotropic relativistic fluid spheres: an embedding class I approach. *European Physical Journal C*, **2019**, 79, 1	4.2	48
63	A charged anisotropic well-behaved Adler–Finch–Skea solution satisfying Karmarkar condition. *International Journal of Modern Physics D*, **2017**, 26, 1750078	2.2	40
62	Solutions of the Einstein field equations with anisotropic pressure compatible with cold star model. *Astrophysics and Space Science*, **2016**, 361, 1	1.6	37
61	Gravitational decoupling minimal geometric deformation model in modified f(R,T) gravity theory. *Physics of the Dark Universe*, **2020**, 30, 100640	4.4	36
60	A 4D spacetime embedded in a 5D pseudo-Euclidean space describing interior of compact stars. *European Physical Journal A*, **2017**, 53, 1	2.5	34
59	A comparative study on generalized model of anisotropic compact star satisfying the Karmarkar condition. *European Physical Journal C*, **2017**, 77, 1	4.2	33
58	A new class of relativistic model of compact stars of embedding class I. *International Journal of Modern Physics D*, **2017**, 26, 1750090	2.2	30
57	Compact star modeling with quadratic equation of state in Tolman VII spacetime. *Indian Journal of Physics*, **2017**, 91, 701-709	1.4	26
56	A new relativistic stellar model with anisotropic fluid in Karmarkar spacetime. *Annals of Physics*, **2017**, 377, 256-267	2.5	26
55	Some analytic models of relativistic compact stars. *Indian Journal of Physics*, **2016**, 90, 1215-1223	1.4	26

54	Conformally non-flat spacetime representing dense compact objects. *Modern Physics Letters A*, **2017**, 32, 1750093	1.3	25
53	Charge Analogue of Tolman IV Solution for Anisotropic Fluid. *International Journal of Theoretical Physics*, **2015**, 54, 3408-3423	1.1	23
52	Non-singular solution for anisotropic model by gravitational decoupling in the framework of complete geometric deformation (CGD). *European Physical Journal C*, **2020**, 80, 1	4.2	22
51	Anisotropic Karmarkar stars in f(R, T)-gravity. *European Physical Journal C*, **2020**, 80, 1	4.2	22
50	Anisotropic compact star with Tolman IV gravitational potential. *Astrophysics and Space Science*, **2016**, 361, 1	1.6	22
49	A generalized Finch–Skea class one static solution. *European Physical Journal C*, **2019**, 79, 1	4.2	20
48	A hybrid space–time of Schwarzschild interior and Vaidya–Tikekar solution as an embedding class I. *Indian Journal of Physics*, **2017**, 91, 343-350	1.4	20
47	Compact stellar models obeying quadratic equation of state. *Astrophysics and Space Science*, **2016**, 361, 1	1.6	20
46	A well-behaved charged anisotropic Tolman VII space–time. *Canadian Journal of Physics*, **2016**, 94, 1017-1023	1.3	19
45	Charged anisotropic superdense stars with constant stability factor. *Astrophysics and Space Science*, **2015**, 358, 1	1.6	18
44	Compact star models in class I spacetime. *European Physical Journal C*, **2019**, 79, 1	4.2	18
43	Singularity free charged anisotropic solutions of Einstein–Maxwell field equations in general relativity. *Indian Journal of Physics*, **2016**, 90, 843-851	1.4	17
42	Static fluid spheres admitting Karmarkar condition. *Chinese Physics C*, **2020**, 44, 035101	2.2	16
41	New interior solution describing relativistic fluid sphere **2017**, 89, 1		15
40	Dissipative collapse of a Karmarkar star. *Modern Physics Letters A*, **2020**, 35, 2050164	1.3	15
39	Anisotropic stars in (f({textit{G}},{textit{T}})) gravity under class I space-time. *European Physical Journal Plus*, **2020**, 135, 1	3.1	15
38	Physical properties of class I compact star model for linear and Starobinsky–R(R,T) functions. *Physics of the Dark Universe*, **2020**, 30, 100620	4.4	13
37	Conformally symmetric traversable wormholes in modified teleparallel gravity. *Physical Review D*, **2020**, 101,	4.9	13

36	Color-flavor locked quark stars in energy–momentum squared gravity. *Physics of the Dark Universe*, **2021**, 31, 100774	4.4	13
35	Embedded class solutions compatible for physical compact stars in general relativity. *European Physical Journal A*, **2018**, 54, 1	2.5	13
34	Anisotropic stars with a modified polytropic equation of state. *Physica Scripta*, **2020**, 95, 115301	2.6	10
33	Generating functions of wormholes. *Modern Physics Letters A*, **2019**, 34, 1950010	1.3	10
32	Effect of electric charge on anisotropic compact stars in conformally symmetric spacetime. *Journal of Physics Communications*, **2018**, 2, 015002	1.2	10
31	Relativistic fluid spheres with Karmarkar condition. *International Journal of Modern Physics D*, **2018**, 27, 1950003	2.2	9
30	Einstein cluster mimicking compact star in the teleparallel equivalent of general relativity. *Physical Review D*, **2019**, 100,	4.9	9
29	Color-flavor locked strange stars in 4D Einstein–Gauss–Bonnet gravity. *Physics of the Dark Universe*, **2021**, 31, 100792	4.4	9
28	Anisotropic fluid spheres satisfying the Karmarkar condition. *Modern Physics Letters A*, **2019**, 34, 1950113	1.3	7
27	Compact stars with exotic matter. *Physics of the Dark Universe*, **2020**, 29, 100575	4.4	7
26	Anisotropic stars in Brans-Dicke gravity. *Chinese Journal of Physics*, **2021**, 71, 548-560	3.5	7
25	Compact star in Tolman–Kuchowicz spacetime in the background of Einstein–Gauss–Bonnet gravity. *European Physical Journal C*, **2019**, 79, 1	4.2	7
24	Anisotropic Strange Star in 5 Einstein-Gauss-Bonnet Gravity. *Entropy*, **2021**, 23,	2.8	7
23	A generalized class one static solution. *Heliyon*, **2019**, 5, e01929	3.6	5
22	Modeling quasar central engine as a relativistic radiating star. *Astrophysics and Space Science*, **2015**, 355, 171-177	1.6	5
21	Relativistic compact stars with dark matter density profile. *European Physical Journal C*, **2020**, 80, 1	4.2	5
20	Gravitationally Decoupled Strange Star Model beyond the Standard Maximum Mass Limit in Einstein–Gauss–Bonnet Gravity. *Astrophysical Journal*, **2022**, 925, 208	4.7	5
19	Modeling Anisotropic Charged Neutron Star in Isotropic Coordinates **2015**, 3, 13		5

18	Quark stars in 4-dimensional Einstein–Gauss–Bonnet gravity. *European Physical Journal C*, **2021**, 81, 1	4.2	5
17	Exploring physical properties of compact stars in f(R,T)-gravity: An embedding approach. *Chinese Physics C*, **2020**, 44, 105106	2.2	5
16	Conformally symmetric traversable wormholes in f(R,T) gravity. *Annals of Physics*, **2020**, 422, 168295	2.5	5
15	Lyapunov exponent, ISCO and Kolmogorov–Sinai entropy for Kerr–Kiselev black hole. *European Physical Journal C*, **2021**, 81, 1	4.2	5
14	Anisotropic stars via embedding approach in Brans–Dicke gravity. *European Physical Journal C*, **2021**, 81, 1	4.2	5
13	Charged spherical solution in f(G,T) gravity via embedding. *Chinese Journal of Physics*, **2021**, 74, 313-313	3.5	4
12	Gravitationally decoupled anisotropic solution using polytropic EoS in the framework of 5D Einstein–Gauss–Bonnet Gravity. *European Physical Journal C*, **2022**, 82, 1	4.2	3
11	Modeling of compact stars: an anisotropic approach. *General Relativity and Gravitation*, **2021**, 53, 1	2.3	3
10	New exact anisotropic static spherically symmetric stellar models satisfying the Eiesland condition. *Annals of Physics*, **2019**, 402, 1-17	2.5	2
9	Anisotropic Charged Fluid Sphere in Isotropic Coordinates. *Journal of Gravity*, **2014**, 2014, 1-9		2
8	Tolman IV fluid sphere in bigravity. *European Physical Journal Plus*, **2020**, 135, 1	3.1	1
7	Color-flavor locked compact stars: An exact solution approach. *International Journal of Modern Physics A*,	1.2	1
6	Relativistic compact stars in the Kuchowicz space-time. *Indian Journal of Physics*, **2021**, 95, 1271-1281	1.4	1
5	Three-layered relativistic hybrid star with distinct equation of states. *Indian Journal of Physics*,1	1.4	1
4	Shadows of Lorentzian traversable wormholes. *Classical and Quantum Gravity*,	3.3	1
3	Physical Implications of Pure Lovelock Geometry on Stellar Structure. *Annalen Der Physik*,2100596	2.6	0
2	Possible Einstein cluster models in embedding class one spacetime. *Modern Physics Letters A*,2150106	1.3	
1	Anisotropic compact stars model with generalized Bardeen–Hayward mass function. *Modern Physics Letters A*, **2021**, 36, 2150190	1.3	