

Saibal Ray

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.

156
papers

4,236
citations

38
h-index

59
g-index

166
ext. papers

5,142
ext. citations

2.8
avg, IF

6
L-index

#	Paper	IF	Citations
156	Charged anisotropic matter with linear or nonlinear equation of state. <i>Physical Review D</i> , 2010 , 82,	4.9	152
155	Product Differentiation and Capacity Cost Interaction in Time and Price Sensitive Markets. <i>Manufacturing and Service Operations Management</i> , 2003 , 5, 18-36	4.6	146
154	Customer lead time management when both demand and price are lead time sensitive. <i>European Journal of Operational Research</i> , 2004 , 153, 769-781	5.6	141
153	Strange stars in KroriBarua space-time. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	125
152	Optimal pricing and inventory control policy in periodic-review systems with fixed ordering cost and lost sales. <i>Naval Research Logistics</i> , 2006 , 53, 117-136	1.5	120
151	Singularity-free solutions for anisotropic charged fluids with Chaplygin equation of state. <i>Physical Review D</i> , 2010 , 82,	4.9	112
150	ANISOTROPIC COMPACT STARS WITH VARIABLE COSMOLOGICAL CONSTANT. <i>International Journal of Modern Physics D</i> , 2012 , 21, 1250088	2.2	105
149	Anisotropic models for compact stars. <i>European Physical Journal C</i> , 2015 , 75, 1	4.2	103
148	Anisotropic strange star with de Sitter spacetime. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	102
147	Singularity-free dark energy star. <i>General Relativity and Gravitation</i> , 2012 , 44, 107-124	2.3	98
146	Compact stars in $(f(R, \mathcal{T}))$ gravity. <i>European Physical Journal C</i> , 2016 , 76, 1	4.2	95
145	A new model for spherically symmetric anisotropic compact star. <i>European Physical Journal C</i> , 2016 , 76, 1	4.2	88
144	Dark Energy Models with Variable Equation of State Parameter. <i>International Journal of Theoretical Physics</i> , 2011 , 50, 871-881	1.1	84
143	Generalised model for anisotropic compact stars. <i>European Physical Journal C</i> , 2016 , 76, 1	4.2	83
142	Spherically symmetric charged compact stars. <i>European Physical Journal C</i> , 2015 , 75, 1	4.2	81
141	Charged gravastars admitting conformal motion. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 701, 388-392	4.2	80
140	Relativistic model for anisotropic strange stars. <i>Annals of Physics</i> , 2017 , 387, 239-252	2.5	79

139	Gravastars in $f(R,T)$ gravity. <i>Physical Review D</i> , 2017 , 95,	4.9	69
138	Exploring physical features of anisotropic strange stars beyond standard maximum mass limit in $f(R, \text{mathcal{T}})$ gravity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 485, 5652-5665	4.3	68
137	A comparison of Hořava-Lifshitz gravity and Einstein gravity through thin-shell wormhole construction. <i>Classical and Quantum Gravity</i> , 2011 , 28, 155021	3.3	63
136	Possible existence of wormholes in the galactic halo region. <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	62
135	Strange stars in $f(R, \text{?})$ gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018 , 2018, 044-044	6.4	57
134	Central density dependent anisotropic compact stars. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	55
133	The . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 717, 1-5	4.2	53
132	Searching for higher-dimensional wormholes with noncommutative geometry. <i>Physical Review D</i> , 2012 , 86,	4.9	53
131	Sustainable supply chain management. <i>International Journal of Production Economics</i> , 2008 , 111, 193-194	4.3	52
130	The dark energy equation of state. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2008 , 386, L92-L95	4.3	52
129	Anisotropic strange stars under simplest minimal matter-geometry coupling in the $f(R, T)$ gravity. <i>Physical Review D</i> , 2018 , 97,	4.9	51
128	Thin-shell wormholes from charged black holes in generalized dilaton-axion gravity. <i>General Relativity and Gravitation</i> , 2010 , 42, 2901-2912	2.3	49
127	A new model for spherically symmetric charged compact stars of embedding class 1. <i>European Physical Journal C</i> , 2017 , 77, 1	4.2	47
126	All spherically symmetric charged anisotropic solutions for compact stars. <i>European Physical Journal C</i> , 2017 , 77, 1	4.2	47
125	Possibility of higher-dimensional anisotropic compact star. <i>European Physical Journal C</i> , 2015 , 75, 1	4.2	45
124	Shipping Fees or Shipping Free? A Tale of Two Price Partitioning Strategies in Online Retailing. <i>Production and Operations Management</i> , 2013 , 22, 758-776	3.6	45
123	The Impact of Capacity Costs on Product Differentiation in Delivery Time, Delivery Reliability, and Price. <i>Production and Operations Management</i> , 2009 , 15, 179-197	3.6	45
122	DARK ENERGY MODELS WITH A TIME-DEPENDENT GRAVITATIONAL CONSTANT. <i>International Journal of Modern Physics D</i> , 2007 , 16, 1791-1802	2.2	45

121	Anisotropic strange stars in Tolman-Ruchowicz spacetime. <i>European Physical Journal C</i> , 2018 , 78, 1	4.2	42
120	The ρ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 319-322	4.2	41
119	Anisotropic stars with non-static conformal symmetry. <i>Astrophysics and Space Science</i> , 2016 , 361, 1	1.6	41
118	Coordination of quantity and shelf-retention timing in the video movie rental industry. <i>IIE Transactions</i> , 2006 , 38, 525-536		36
117	Anisotropic strange stars in the Einstein-Maxwell spacetime. <i>European Physical Journal C</i> , 2018 , 78, 1	4.2	34
116	Features of galactic halo in a brane world model and observational constraints. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009 , 399, 2079-2087	4.3	34
115	Charged gravastars in higher dimensions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 767, 380-385	4.2	33
114	Wormhole inspired by non-commutative geometry. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 746, 73-78	4.2	33
113	Relativistic compact stars in $(f(T))$ gravity admitting conformal motion. <i>Astrophysics and Space Science</i> , 2015 , 358, 1	1.6	32
112	BTZ black holes inspired by noncommutative geometry. <i>Physical Review D</i> , 2013 , 87,	4.9	31
111	DARK ENERGY WITH POLYTROPIC EQUATION-OF-STATE. <i>Modern Physics Letters A</i> , 2008 , 23, 3187-3198	1.3	31
110	ECDM UNIVERSE: A PHENOMENOLOGICAL APPROACH WITH MANY POSSIBILITIES. <i>International Journal of Modern Physics D</i> , 2008 , 17, 301-309	2.2	29
109	Anisotropic strange star with Tolman-Ruchowicz metric under $f(R, T)$ gravity. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	28
108	Possible existence of wormholes in the central regions of halos. <i>Annals of Physics</i> , 2014 , 350, 561-567	2.5	28
107	Tolman-Bayin type static charged fluid spheres in general relativity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004 , 349, 1331-1334	4.3	28
106	Variable Equation of State for Generalized Dark Energy Model. <i>International Journal of Theoretical Physics</i> , 2011 , 50, 2687-2696	1.1	27
105	Galactic rotation curves inspired by a noncommutative-geometry background. <i>General Relativity and Gravitation</i> , 2012 , 44, 905-916	2.3	26
104	Relativistic electromagnetic mass models in spherically symmetric spacetime. <i>Astrophysics and Space Science</i> , 2016 , 361, 1	1.6	26

103	Constraining values of bag constant for strange star candidates. <i>International Journal of Modern Physics D</i> , 2019 , 28, 1941006	2.2	25
102	Galactic rotation curves and brane-world models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008 , 389, 27-33	4.3	25
101	Strange stars in KroriBarua spacetime underf(R,T)gravity. <i>Annals of Physics</i> , 2019 , 401, 1-20	2.5	25
100	The Finslerian wormhole models. <i>European Physical Journal C</i> , 2016 , 76, 1	4.2	24
99	Decoupling gravitational sources in f(R,T) gravity under class I spacetime. <i>Physics of the Dark Universe</i> , 2021 , 31, 100753	4.4	24
98	A new model for strange stars. <i>General Relativity and Gravitation</i> , 2018 , 50, 1	2.3	23
97	Study on charged strange stars in f(R, T) gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019 , 2019, 070-070	6.4	23
96	Magnetized dark energy and the late time acceleration. <i>European Physical Journal Plus</i> , 2012 , 127, 1	3.1	23
95	Noncommutative Geometry Inspired Wormholes With Conformal Motion. <i>International Journal of Theoretical Physics</i> , 2015 , 54, 699-709	1.1	22
94	The Higher Dimensional Gravastars. <i>International Journal of Theoretical Physics</i> , 2015 , 54, 50-61	1.1	22
93	Product differentiation and operations strategy in a capacitated environment. <i>European Journal of Operational Research</i> , 2011 , 210, 716-728	5.6	21
92	Charged Static Fluid Spheres in General Relativity. <i>Astrophysics and Space Science</i> , 2002 , 282, 635-644	1.6	20
91	Spherically-symmetric gravitational sources of purely electromagnetic origin. <i>Astrophysics and Space Science</i> , 1991 , 180, 143-149	1.6	19
90	Gravitational sources of purely electromagnetic origin. <i>Astrophysics and Space Science</i> , 1991 , 178, 119-1326	1.6	19
89	Gravastars with higher dimensional spacetimes. <i>Annals of Physics</i> , 2018 , 394, 230-243	2.5	19
88	ELECTROMAGNETIC MASS IN (n + 2)-DIMENSIONAL SPACETIMES. <i>International Journal of Modern Physics D</i> , 2006 , 15, 917-923	2.2	18
87	Phenomenology of Λ CDM Model: A Possibility of Accelerating Universe with Positive Pressure. <i>International Journal of Theoretical Physics</i> , 2011 , 50, 939-951	1.1	17
86	ISOTROPIC CASES OF STATIC CHARGED FLUID SPHERES IN GENERAL RELATIVITY. <i>International Journal of Modern Physics D</i> , 2011 , 20, 1675-1687	2.2	17

85	Static Spherical Charged Dust Electromagnetic Mass Models in Einstein-Cartan Theory. <i>General Relativity and Gravitation</i> , 1997 , 29, 683-690	2.3	17
84	PHYSICAL PROPERTIES OF TOLMAN-BAYIN SOLUTIONS: SOME CASES OF STATIC CHARGED FLUID SPHERES IN GENERAL RELATIVITY. <i>International Journal of Modern Physics D</i> , 2007 , 16, 1745-1759	2.2	17
83	Energy density in general relativity: a possible role for the cosmological constant. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004 , 322, 150-155	2.3	17
82	Spherically symmetric electromagnetic mass models with cosmological parameter?. <i>Astrophysics and Space Science</i> , 1993 , 203, 211-216	1.6	17
81	The Finslerian compact star model. <i>European Physical Journal C</i> , 2015 , 75, 1	4.2	16
80	Gravastars in $f(R)$ gravity. <i>International Journal of Modern Physics A</i> , 2020 , 35, 2050017	1.2	15
79	Competitive price-matching guarantees under imperfect store availability. <i>Quantitative Marketing and Economics</i> , 2010 , 8, 275-300	0.9	15
78	Gravastar: An alternative to black hole. <i>International Journal of Modern Physics D</i> , 2020 , 29, 2030004	2.2	14
77	A generalized model for compact stars. <i>European Physical Journal C</i> , 2016 , 76, 1	4.2	14
76	Could wormholes form in dark matter galactic halos?. <i>Astrophysics and Space Science</i> , 2016 , 361, 1	1.6	14
75	Relativistic strange stars in Tolman-Kuchowicz spacetime. <i>Annals of Physics</i> , 2019 , 409, 167905	2.5	14
74	OPTIMAL PROCUREMENT STRATEGY UNDER SUPPLY RISK. <i>Asia-Pacific Journal of Operational Research</i> , 2012 , 29, 1240006	0.8	14
73	Static charged dust distributions: Sources of purely electromagnetic origin. <i>Astrophysics and Space Science</i> , 1996 , 182, 105-110	1.6	14
72	Quark matter as dark matter in modeling galactic halo. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 714, 131-135	4.2	13
71	Gravastars in (3+1) dimensions admitting Karmarkar condition. <i>Annals of Physics</i> , 2019 , 411, 167968	2.5	12
70	Static charged fluid in (2 + 1)-dimensions admitting conformal Killing vectors. <i>International Journal of Modern Physics D</i> , 2014 , 23, 1450042	2.2	12
69	Study of gravastars under $f(T)$ gravity. <i>Nuclear Physics B</i> , 2020 , 954, 114986	2.8	11
68	Do Solar System Tests Permit Higher Dimensional General Relativity?. <i>International Journal of Theoretical Physics</i> , 2009 , 48, 3124-3138	1.1	11

67	Static Spherically Symmetric Electromagnetic Mass Models with Charged Dust Sources in Einstein-Cartan Theory: Lane-Emden Models. <i>Astrophysics and Space Science</i> , 2002 , 280, 345-355	1.6	11
66	A class of axially-symmetric electromagnetic mass models. <i>Astrophysics and Space Science</i> , 1993 , 199, 333-337	1.6	11
65	Gravastar in the framework of braneworld gravity. <i>Physical Review D</i> , 2020 , 102,	4.9	10
64	The effectiveness of investment in lead time reduction for a make-to-stock product. <i>IIE Transactions</i> , 2004 , 36, 333-344		10
63	Group Selling, Product Durability, and Consumer Behavior. <i>Production and Operations Management</i> , 2016 , 25, 1942-1957	3.6	10
62	A study of anisotropic compact stars based on embedding class 1 condition. <i>International Journal of Modern Physics D</i> , 2019 , 28, 1950116	2.2	9
61	DARK ENERGY MODELS WITH VARIABLE EQUATION OF STATE PARAMETER. <i>International Journal of Modern Physics D</i> , 2010 , 19, 475-487	2.2	9
60	Scenario of Inflationary Cosmology from the Phenomenological Λ Models. <i>International Journal of Theoretical Physics</i> , 2009 , 48, 2499-2510	1.1	9
59	Higher Dimensional Dark Energy Investigation with Variable Λ and G. <i>International Journal of Theoretical Physics</i> , 2010 , 49, 1622-1627	1.1	9
58	Charged strange stellar model describing by Tolman V metric. <i>Results in Physics</i> , 2021 , 20, 103648	3.7	9
57	A generalized family of anisotropic compact object in general relativity. <i>Annals of Physics</i> , 2018 , 395, 152-169	2.5	9
56	Fluid sphere: Stability problem and dimensional constraint. <i>International Journal of Modern Physics D</i> , 2015 , 24, 1550049	2.2	8
55	Charged anisotropic strange stars in Finslerian geometry. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	7
54	Possible features of galactic halo with electric field and observational constraints. <i>General Relativity and Gravitation</i> , 2014 , 46, 1	2.3	7
53	Study on Anisotropic Strange Stars in $f(T, T)$ Gravity. <i>Universe</i> , 2020 , 6, 167	2.5	7
52	Anisotropic stars in Brans-Dicke gravity. <i>Chinese Journal of Physics</i> , 2021 , 71, 548-560	3.5	7
51	Joint procurement and demand-side bidding strategies under price volatility. <i>Annals of Operations Research</i> , 2017 , 257, 121-165	3.2	6
50	CLASSICAL ELECTRON MODEL WITH NEGATIVE ENERGY DENSITY IN EINSTEIN-CARTAN THEORY OF GRAVITATION. <i>International Journal of Modern Physics D</i> , 2004 , 13, 555-565	2.2	6

49	Bouncing universe models in an extended gravity theory. <i>Chinese Journal of Physics</i> , 2021 , 71, 610-622	3.5	6
48	Dirac's large number hypothesis: A journey from concept to implication. <i>International Journal of Modern Physics D</i> , 2019 , 28, 1930014	2.2	5
47	Anisotropic strange star with Tolman V potential. <i>International Journal of Modern Physics D</i> , 2018 , 27, 1850089	2.2	5
46	Compact star in pseudo-spheroidal spacetime. <i>Astrophysics and Space Science</i> , 2017 , 362, 1	1.6	5
45	GENERALIZED MODEL FOR Λ DARK ENERGY. <i>International Journal of Modern Physics D</i> , 2009 , 18, 389-396	2.2	5
44	A study on charged compact stars. <i>International Journal of Modern Physics D</i> , 2019 , 28, 1950053	2.2	5
43	Inflation in anisotropic brane universe using tachyon field. <i>International Journal of Modern Physics D</i> , 2019 , 28, 1941010	2.2	4
42	Gravastars with Kuchowicz metric potential. <i>Results in Physics</i> , 2019 , 14, 102473	3.7	4
41	Scenario of Accelerating Universe: Role of Phenomenological Λ Models. <i>International Journal of Theoretical Physics</i> , 2013 , 52, 4524-4536	1.1	4
40	Wormholes supported by two non-interacting fluids. <i>Astrophysics and Space Science</i> , 2013 , 346, 245-252	1.6	4
39	Oscillatory Universe, dark energy and general relativity. <i>Astrophysics and Space Science</i> , 2013 , 345, 367-376	1.6	4
38	Time Variable Λ and the Accelerating Universe. <i>International Journal of Theoretical Physics</i> , 2011 , 50, 752-759	1.1	4
37	Relativistic anisotropic charged fluid spheres with varying cosmological constant. <i>Astrophysics and Space Science</i> , 2008 , 315, 341-346	1.6	4
36	Study of charged compact stars with class 1 metric under general relativity. <i>Canadian Journal of Physics</i> , 2019 , 97, 1323-1331	1.1	3
35	A Dark Energy Model in Kaluza-Klein Cosmology. <i>International Journal of Theoretical Physics</i> , 2016 , 55, 388-395	1.1	3
34	SCENARIOS OF COSMIC STRING WITH A VARIABLE COSMOLOGICAL CONSTANT. <i>International Journal of Modern Physics D</i> , 2009 , 18, 781-795	2.2	3
33	Relativistic Electromagnetic Mass Models: Charged Dust Distribution in Higher Dimensions. <i>Astrophysics and Space Science</i> , 2006 , 302, 153-156	1.6	3
32	Anisotropic strange star inspired by Finsler geometry. <i>International Journal of Modern Physics D</i> , 2020 , 29, 2050001	2.2	3

31	Cosmological models with squared trace in modified gravity. <i>International Journal of Modern Physics D</i> , 2020 , 29, 2050100	2.2	3
30	Anisotropic charged strange stars in Krori-Barua spacetime under $f(R,T)$ gravity. <i>Annals of Physics</i> , 2021 , 428, 168429	2.5	3
29	Quality Disclosure Strategy under Customer Learning Opportunities. <i>Production and Operations Management</i> , 2021 , 30, 1136-1153	3.6	3
28	Solar system tests in constraining parameters of dyon black holes. <i>European Physical Journal C</i> , 2018 , 78, 1	4.2	3
27	Cosmological models with variable anisotropic parameter in $f(R, T)$ gravity. <i>Indian Journal of Physics</i> , 2020 , 95, 2245	1.4	2
26	Neutron star under homotopy perturbation method. <i>Annals of Physics</i> , 2019 , 409, 167918	2.5	2
25	Five Dimensional Cosmological Models in General Relativity. <i>International Journal of Theoretical Physics</i> , 2010 , 49, 2348-2357	1.1	2
24	Wormhole solutions in $f(R)$ gravity. <i>International Journal of Modern Physics D</i> , 2021 , 30, 2150061	2.2	2
23	C-field cosmological models: revisited. <i>Research in Astronomy and Astrophysics</i> , 2016 , 16, 188	1.5	2
22	Non-isothermal decomposition kinetics of nano-scale $CaCO_3$ as a function of particle size variation. <i>Ceramics International</i> , 2021 , 47, 858-864	5.1	2
21	Anisotropic compact stars: Constraining model parameters to account for physical features of tidal Love numbers. <i>Annals of Physics</i> , 2021 , 433, 168597	2.5	2
20	Does accelerating Universe permit varying speed of light?. <i>Astrophysics and Space Science</i> , 2012 , 337, 509-510	1.6	1
19	Compact stellar models in modified gravity. <i>International Journal of Modern Physics D</i> , 2140003	2.2	1
18	Cosmological models with a hybrid scale factor. <i>International Journal of Modern Physics D</i> , 2140005	2.2	1
17	A generalized form of the Raychaudhuri equation. <i>International Journal of Modern Physics D</i> , 2150092	2.2	1
16	Analytic radiation model for perfect fluid under homotopy perturbation method. <i>Indian Journal of Physics</i> , 2021 , 95, 1581-1588	1.4	1
15	Weyl transformation: A dynamical degree of freedom in the light of Dirac's Large Number hypothesis. <i>International Journal of Modern Physics D</i> , 2020 , 29, 2050027	2.2	0
14	A Relativistic Compact Stellar Model of Anisotropic Quark Matter Mixed with Dark Energy. <i>Advances in High Energy Physics</i> , 2021 , 2021, 1-7	1	0

13	Nonsingular solution with anisotropic fluid in mini bang cosmology. <i>International Journal of Modern Physics D</i> , 2020 , 29, 2050118	2.2	○
12	Revisiting Primordial Black Hole Evolution. <i>Axioms</i> , 2020 , 9, 71	1.6	○
11	N.R. Sen: Father of Indian Applied mathematics. <i>European Physical Journal H</i> , 2021 , 46, 1	0.9	○
10	Noncommutative black hole in the Finslerian spacetime. <i>Classical and Quantum Gravity</i> , 2021 , 38, 145019	3.3	○
9	Charged perfect fluid sphere in higher-dimensional spacetime. <i>Indian Journal of Physics</i> , 2020 , 94, 1679-1690	1.9	○
8	Dilaton-Axion Black Hole under the Solar System Tests. <i>New Astronomy</i> , 2021 , 83, 101494	1.8	○
7	Role of Anisotropy on the Tidal Deformability of Compact Stellar Objects. <i>Physical Sciences Forum</i> , 2021 , 2, 29		○
6	Modified Chaplygin gas in anisotropic universes on the brane. <i>International Journal of Modern Physics D</i> , 2150093	2.2	○
5	Classical and Quantum Approaches to Black Holes. <i>Advances in High Energy Physics</i> , 2019 , 2019, 1-4	1	
4	About Influence of Gravity on Heat Conductivity Process of the Planets. <i>International Journal of Theoretical Physics</i> , 2016 , 55, 1536-1542	1.1	
3	Astronomer R.G. Chandra: In the Light of His Anglo-American Connection. <i>European Physical Journal H</i> , 2014 , 39, 369-387	0.9	
2	A semi-classical model of regular inflationary cosmology. <i>Physics of the Dark Universe</i> , 2021 , 32, 100823	4.4	
1	A Model for Anisotropic Strange Stars. <i>Springer Proceedings in Physics</i> , 2018 , 65-68	0.2	