Abdelghani Errehymy

List of Publications by Year
in descending order

27 papers	802 citations	516561 16 h-index	526166 27 g-index
27 all docs	27 docs citations	27 times ranked	125 citing authors

#	Article	IF	Citations
1	Study of anisotropic strange stars in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>f</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>R</mml:mi><mml:mo>,</mml:mo><mml:mi>T</mml:mi><mml:mo) Tj ETQq1 1 0.784314 rgB	1.4	81
2	Gravitational decoupling minimal geometric deformation model in modified <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e2140" altimg="si513.svg"><mml:mrow><mml:mi>f</mml:mi><mml:mrow><mml:mo>(</mml:mo><mml:mi>R</mml:mi><mml:mo>,</mml:mo> gravity theory. Physics of the Dark Universe, 2020, 30, 100640.	1.8	86
3	Anisotropic relativistic fluid spheres: an embedding class I approach. European Physical Journal C, 2019, 79, 1.	1.4	75
4	Anisotropic quark stars in Einstein-Gauss-Bonnet theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 819, 136423.	1.5	64
5	Anisotropic Karmarkar stars in f(R,ÂT)-gravity. European Physical Journal C, 2020, 80, 1.	1.4	50
6	Anisotropic compact stars via embedding approach in general relativity: new physical insights of stellar configurations. European Physical Journal C, 2021, 81, 1.	1.4	38
7	Anisotropic stars in $$f({extit{G}},{extit{T}})$$ gravity under class I space-time. European Physical Journal Plus, 2020, 135, 1.	1.2	36
8	Role of Complexity on Selfâ€gravitating Compact Star by Gravitational Decoupling. Fortschritte Der Physik, 2022, 70, .	1.5	33
9	Physical properties of class I compact star model for linear and Starobinsky<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e1207" altimg="si25.svg"><mml:mrow><mml:mo>â^’</mml:mo><mml:mi>f</mml:mi><mml:mrow><mml:mo>(</mml:mo><mml:mi) Tj ETQq functions, Physics of the Dark Universe, 2020, 30, 100620.	1.8	32
10	Quark stars in the Einsteinâ€“Gaussâ€“Bonnet theory: A new branch of stellar configurations. Annals of Physics, 2021, 430, 168498.	1.0	32
11	A study of traversable wormhole solutions in extended teleparallel theory of gravity with matter coupling. European Physical Journal C, 2021, 81, 1.	1.4	26
12	A spherically symmetric model of anisotropic fluid for strange quark spheres. European Physical Journal C, 2019, 79, 1.	1.4	23
13	Anisotropic stars via embedding approach in Bransâ€“Dicke gravity. European Physical Journal C, 2021, 81, 1.	1.4	22
14	Studies an analytic model of a spherically symmetric compact object in Einsteinian gravity. European Physical Journal C, 2020, 80, 1.	1.4	20
15	Exploring physical properties of compact stars in f(R,T)-gravity: An embedding approach. Chinese Physics C, 2020, 44, 105106.	1.5	20
16	On the thermal nonclassical correlations in a two-spin XYZ Heisenberg model with Dzyaloshinskiiâ€“Moriya interaction. European Physical Journal Plus, 2021, 136, 1.	1.2	18
17	Studies a star made of anisotropic fluid packed in a spherical shell. Modern Physics Letters A, 2019, 34, 1950030.	0.5	17
18	Phantom gravastar supported for the explanation of compact dark matter objects. European Physical Journal Plus, 2017, 132, 1.	1.2	16

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19	Anisotropic stars of class one spaceâ€“time in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e4009" altimg="si17.svg"><mml:mrow><mml:mi>f</mml:mi><mml:mrow><mml:mo>(</mml:mo><mml:mi>R</mml:mi><mml:mo>,</mml:mo> under the simplest linear functional of the matterâ€“geometry coupling. Chinese Journal of Physics, 2022, 77, 1502-1522.	2.0	16
20	A new well-behaved class of compact strange astrophysical model consistent with observational data. European Physical Journal C, 2021, 81, 1.	1.4	14
21	Relativistic gravastar configurations in which the interior matter distribution is modeled through a Chaplygin fluid. Modern Physics Letters A, 2019, 34, 1950325.	0.5	12
22	Self-gravitating anisotropic model in general relativity under modified Van der Waals equation of state: a stable configuration. European Physical Journal C, 2022, 82, .	1.4	12
23	Exploring physical features of anisotropic quark stars in Brans-Dicke theory with a massive scalar field via embedding approach *. Chinese Physics C, 2022, 46, 045104.	1.5	10
24	Model Astrophysical Configurations with the Equation of State of Chaplygin Gas. Foundations of Physics, 2019, 49, 144-175.	0.6	9
25	Study on anisotropic star in extended teleparallel gravity with minimal matter coupling. Chinese Journal of Physics, 2022, 77, 1742-1754.	2.0	7
26	Charged strange stars with dust and phantom regimes in Rastall gravity. Chinese Journal of Physics, 2022, 77, 2781-2794.	2.0	7
27	Self-gravitating anisotropic compact objects in 5D EGB gravity. European Physical Journal Plus, 2022, 137, .	1.2	7