Abdelghani Errehymy

List of Publications by Citations

22 papers	279 citations	9 h-index	16 g-index
27 ext. papers	564 ext. citations	3.4 avg, IF	4.35 L-index

#	Paper	IF	Citations
22	Study of anisotropic strange stars in f(R,T) gravity: An embedding approach under the simplest linear functional of the matter-geometry coupling. *Physical Review D*, **2019**, 100,	4.9	59
21	Anisotropic relativistic fluid spheres: an embedding class I approach. *European Physical Journal C*, **2019**, 79, 1	4.2	48
20	Gravitational decoupling minimal geometric deformation model in modified f(R,T) gravity theory. *Physics of the Dark Universe*, **2020**, 30, 100640	4.4	36
19	Anisotropic Karmarkar stars in f(R, T)-gravity. *European Physical Journal C*, **2020**, 80, 1	4.2	22
18	Anisotropic stars in (f({textit{G}},{textit{T}})) gravity under class I space-time. *European Physical Journal Plus*, **2020**, 135, 1	3.1	15
17	Physical properties of class I compact star model for linear and Starobinsky f(R,T) functions. *Physics of the Dark Universe*, **2020**, 30, 100620	4.4	13
16	A spherically symmetric model of anisotropic fluid for strange quark spheres. *European Physical Journal C*, **2019**, 79, 1	4.2	10
15	Phantom gravastar supported for the explanation of compact dark matter objects. *European Physical Journal Plus*, **2017**, 132, 1	3.1	10
14	Anisotropic quark stars in Einstein-Gauss-Bonnet theory. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2021**, 819, 136423	4.2	10
13	Studies a star made of anisotropic fluid packed in a spherical shell. *Modern Physics Letters A*, **2019**, 34, 1950030	1.3	9
12	On the thermal nonclassical correlations in a two-spin XYZ Heisenberg model with Dzyaloshinskii-Moriya interaction. *European Physical Journal Plus*, **2021**, 136, 1	3.1	8
11	Quark stars in the Einstein-Gauss-Bonnet theory: A new branch of stellar configurations. *Annals of Physics*, **2021**, 430, 168498	2.5	7
10	Studies an analytic model of a spherically symmetric compact object in Einsteinian gravity. *European Physical Journal C*, **2020**, 80, 1	4.2	6
9	Exploring physical properties of compact stars in f(R,T)-gravity: An embedding approach. *Chinese Physics C*, **2020**, 44, 105106	2.2	5
8	Anisotropic stars via embedding approach in Brans-Dicke gravity. *European Physical Journal C*, **2021**, 81, 1	4.2	5
7	Relativistic gravastar configurations in which the interior matter distribution is modeled through a Chaplygin fluid. *Modern Physics Letters A*, **2019**, 34, 1950325	1.3	4
6	Model Astrophysical Configurations with the Equation of State of Chaplygin Gas. *Foundations of Physics*, **2019**, 49, 144-175	1.2	4

LIST OF PUBLICATIONS

5	Anisotropic compact stars via embedding approach in general relativity: new physical insights of stellar configurations. *European Physical Journal C*, **2021**, 81, 1	4.2	4
4	A study of traversable wormhole solutions in extended teleparallel theory of gravity with matter coupling. *European Physical Journal C*, **2021**, 81, 1	4.2	3
3	A new well-behaved class of compact strange astrophysical model consistent with observational data. *European Physical Journal C*, **2021**, 81, 1	4.2	0
2	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	2.2	0
1	Role of Complexity on Self-gravitating Compact Star by Gravitational Decoupling. *Fortschritte Der Physik*, **2022**, 70, 2200041	5.7	0