

# Abdelghani Errehymy

## List of Publications by Year in Descending Order

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**Version:** 2024-04-19

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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.

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	Exploring physical features of anisotropic quark stars in Brans-Dicke theory with a massive scalar field via embedding approach *. <i>Chinese Physics C</i> , <b>2022</b> , 46, 045104	2.2	0
21	Role of Complexity on Self-gravitating Compact Star by Gravitational Decoupling. <i>Fortschritte Der Physik</i> , <b>2022</b> , 70, 2200041	5.7	0
20	A study of traversable wormhole solutions in extended teleparallel theory of gravity with matter coupling. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	3
19	On the thermal nonclassical correlations in a two-spin XYZ Heisenberg model with Dzyaloshinskii-Moriya interaction. <i>European Physical Journal Plus</i> , <b>2021</b> , 136, 1	3.1	8
18	Anisotropic compact stars via embedding approach in general relativity: new physical insights of stellar configurations. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	4
17	A new well-behaved class of compact strange astrophysical model consistent with observational data. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	0
16	Quark stars in the Einstein-Gauss-Bonnet theory: A new branch of stellar configurations. <i>Annals of Physics</i> , <b>2021</b> , 430, 168498	2.5	7
15	Anisotropic stars via embedding approach in Brans-Dicke gravity. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	5
14	Anisotropic quark stars in Einstein-Gauss-Bonnet theory. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2021</b> , 819, 136423	4.2	10
13	Physical properties of class I compact star model for linear and Starobinsky $f(R,T)$ functions. <i>Physics of the Dark Universe</i> , <b>2020</b> , 30, 100620	4.4	13
12	Gravitational decoupling minimal geometric deformation model in modified $f(R,T)$ gravity theory. <i>Physics of the Dark Universe</i> , <b>2020</b> , 30, 100640	4.4	36
11	Studies an analytic model of a spherically symmetric compact object in Einsteinian gravity. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	6
10	Anisotropic Karmarkar stars in $f(R, T)$ -gravity. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	22
9	Exploring physical properties of compact stars in $f(R,T)$ -gravity: An embedding approach. <i>Chinese Physics C</i> , <b>2020</b> , 44, 105106	2.2	5
8	Anisotropic stars in $(f({\textit{G}},{\textit{T}}))$ gravity under class I space-time. <i>European Physical Journal Plus</i> , <b>2020</b> , 135, 1	3.1	15
7	Relativistic gravastar configurations in which the interior matter distribution is modeled through a Chaplygin fluid. <i>Modern Physics Letters A</i> , <b>2019</b> , 34, 1950325	1.3	4
6	Model Astrophysical Configurations with the Equation of State of Chaplygin Gas. <i>Foundations of Physics</i> , <b>2019</b> , 49, 144-175	1.2	4

5	A spherically symmetric model of anisotropic fluid for strange quark spheres. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	10
4	Study of anisotropic strange stars in $f(R,T)$ gravity: An embedding approach under the simplest linear functional of the matter-geometry coupling. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	59
3	Anisotropic relativistic fluid spheres: an embedding class I approach. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	48
2	Studies a star made of anisotropic fluid packed in a spherical shell. <i>Modern Physics Letters A</i> , <b>2019</b> , 34, 1950030	1.3	9
1	Phantom gravastar supported for the explanation of compact dark matter objects. <i>European Physical Journal Plus</i> , <b>2017</b> , 132, 1	3.1	10