

# M Zubair

## List of Publications by Year in descending order

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139  
papers

3,634  
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docs citations

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citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling of Stellar solutions in Einstein-Gauss-Bonnet gravity. Chinese Journal of Physics, 2024, 88, 129-145.	4.0	1
2	A study of Yukawa-Casimir wormholes in some Rastall frameworks via conformal killing vectors approach. Chinese Journal of Physics, 2024, 89, 1080-1101.	4.0	1
3	No Cauchy horizon in a gravitational decoupled Reissner-Nordström spacetime. Physics of the Dark Universe, 2024, 44, 101460.	5.0	1
4	Influence of plasma on the optical appearance of spinning black hole in Kalb-Ramond gravity and its Existence around M87* and Sgr A*. Journal of Cosmology and Astroparticle Physics, 2024, 2024, 047.	5.5	0
5	Bouncing Universe Scenarios in an Extended Gravitational Framework Involving Curvature-Matter Coupling. Journal of High Energy Astrophysics, 2024, , .	7.0	0
6	Implications of $f(R, L_m, T)$ gravity on the complexity factor of a physically consistent charged anisotropic stellar model. New Astronomy, 2023, 100, 101996.	1.8	0
7	Charged compact objects by MGD approach. Physica Scripta, 2023, 98, 015010.	2.5	0
8	Rotating black hole in 4D Einstein-Gauss-Bonnet massive gravity: Shadow and center of mass energy. Physics of the Dark Universe, 2023, 40, 101200.	5.0	7
9	Bouncing behaviours in four dimensional Einstein Gauss-Bonnet gravity with cosmography and observational constraints. European Physical Journal Plus, 2023, 138, .	2.6	7
10	Reconstruction and dynamical aspects of bouncing scenarios in $f(T, ?)$ gravity. International Journal of Modern Physics D, 2023, 32, .	2.0	2
11	Strong Deflection Gravitational Lensing for the Photons Coupled to the Weyl Tensor in a Conformal Gravity Black Hole. Universe, 2023, 9, 130.	2.5	0
12	New traversable wormhole solutions in Einstein Gauss-Bonnet gravity. International Journal of Geometric Methods in Modern Physics, 2023, 20, .	2.0	2
13	Thermodynamics and Perturbative Analysis of Some Newly Developed $F(R, L_m, T)$ Theories Under the Scenario of Conserved Energy-momentum Tensor. Fortschritte Der Physik, 2023, 71, .	4.8	6
14	Imprints of Casimir wormhole in Einstein Gauss-Bonnet gravity with non-vanishing complexity factor. European Physical Journal C, 2023, 83, .	4.0	8
15	Impacts of complexity factor on the transition of fluid configurations from isotropic to anisotropic environment and vice versa. European Physical Journal C, 2023, 83, .	4.0	6
16	Rotating black hole in Kalb-Ramond gravity: Constraining parameters by comparison with EHT observations of Sgr A* and M87*. Physics of the Dark Universe, 2023, 42, 101334.	5.0	5
17	New Casimir wormholes in $f(R, \hat{T})$ gravity admitting conformal killing vectors. European Physical Journal Plus, 2023, 138, .	2.6	3
18	Implications of pressure anisotropy and complexity factor on the gravitational cracking phenomenon. European Physical Journal C, 2023, 83, .	4.0	3

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19	Casimir Wormholes driven by non-commutative geometries in higher dimensional Einstein Gauss-Bonnet gravity. <i>Annals of Physics</i> , 2023, 459, 169542.	2.9	1
20	Charged anisotropic fluid sphere in comparison with its uncharged analogue through extended geometric deformation. <i>Chinese Journal of Physics</i> , 2022, 77, 898-914.	4.0	18
21	Study of anisotropic strange stars in Król Barua metric under $f(R, \hat{\Delta})$ gravity. <i>Chinese Journal of Physics</i> , 2022, 77, 592-604.	4.0	4
22	Physical viability of anisotropic strange spheres in non-linear teleparallel gravity. <i>New Astronomy</i> , 2022, 92, 101735.	1.8	1
23	Class I stars in the background of $f(R, \hat{\Delta})$ cosmological model. <i>Chinese Journal of Physics</i> , 2022, 77, 1827-1842.	4.0	8
24	Study of anisotropic and non-uniform Gravastars by gravitational decoupling in $f(R, \hat{\Delta})$ gravity. <i>Annals of Physics</i> , 2022, 439, 168769.	2.9	26
25	Anisotropic stellar solutions in torsion-trace gravity under Karmarkar condition. <i>International Journal of Geometric Methods in Modern Physics</i> , 2022, 19, .	2.0	4
26	Anisotropic stellar model in $f(T, ?)$ gravity under the Karmarkar condition. <i>International Journal of Geometric Methods in Modern Physics</i> , 2022, 19, .	2.0	4
27	Tolman IV fluid sphere in $f(R, \hat{\Delta})$ gravity. <i>Chinese Journal of Physics</i> , 2022, 77, 2201-2212.	4.0	6
28	Physical viability of anisotropic compact stars solutions under Karmarkar condition in $f(\hat{\Delta}, ?)$ theory of gravity. <i>Modern Physics Letters A</i> , 2022, 37, .	1.2	4
29	Anisotropic Maxwell ultracompact star in modified gravity. <i>Physics of the Dark Universe</i> , 2022, 37, 101049.	5.0	3
30	Reconstruction and stability analysis of some cosmological bouncing solutions in $f(\hat{\Delta}, T)$ theory. <i>International Journal of Modern Physics D</i> , 2022, 31, .	2.0	7
31	Energy constraints for evolving spherical and hyperbolic wormholes in $f(R, \hat{\Delta})$ gravity. <i>European Physical Journal Plus</i> , 2022, 137, .	2.6	4
32	Thermodynamics and stability analysis of Tsallis Holographic Dark Energy (THDE) models in $f(R, \hat{\Delta})$ gravity. <i>Annals of Physics</i> , 2022, 445, 169068.	2.9	3
33	Optical features of rotating black hole with nonlinear electrodynamics. <i>European Physical Journal C</i> , 2022, 82, .	4.0	5
34	Stable stellar configurations with polynomial complexity factor. <i>European Physical Journal C</i> , 2022, 82, .	4.0	7
35	Strong deflection gravitational lensing for photon coupled to Weyl tensor in a charged Kiselev black hole. <i>Physics of the Dark Universe</i> , 2021, 31, 100750.	5.0	16
36	Isotropic exact solutions in $f(R, Y, \phi)$ gravity via Noether symmetries. <i>European Physical Journal C</i> , 2021, 81, 1.	4.0	6

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37	A Generic Embedding Class-I Model via Karmarkar Condition in $f(R)$ gravity. Advances in Astronomy, 2021, 2021, 1-16.	1.2	4
38	Anisotropic compact star models in $f(T)$ gravity with Tolman-Kuchowicz spacetime. International Journal of Geometric Methods in Modern Physics, 2021, 18, 2150060.	2.0	10
39	Exploring tsallis holographic dark energy scenario in $f(R)$ gravity. Chinese Journal of Physics, 2021, 69, 153-171.	4.0	15
40	Anisotropic stellar Finch-Skea structures satisfying Karmarkar condition in a teleparallel framework involving off-diagonal tetrad. European Physical Journal Plus, 2021, 136, 1.	2.6	9
41	Relativistic compact stars in Tolman spacetime via an anisotropic approach. European Physical Journal C, 2021, 81, 1.	4.0	7
42	Traversable Wormholes Existence in $f(R)$ Gravity Involving Trace-Squared Term with Nonexotic Matter. Advances in Astronomy, 2021, 2021, 1-10.	1.2	3
43	Gravitational decoupled anisotropic spherical solutions in $f(R, T)$ gravity by minimal geometric deformation approach. Physica Scripta, 2021, 96, 125015.	2.5	22
44	Particle creation from thermodynamics point of view in $f(R, T)$ gravity. International Journal of Geometric Methods in Modern Physics, 2021, 18, 2150177.	2.0	2
45	Homogeneous perfect fluid collapse in five-dimensional spherically symmetric spacetime. Modern Physics Letters A, 2021, 36, 2150173.	1.2	0
46	Physical aspects of anisotropic compact stars in $f(R)$ gravity with off diagonal tetrad. Chinese Physics C, 2021, 45, 085102.	3.6	12
47	Reconciling Tsallis holographic dark energy models in modified $f(T, \hat{A}B)$ gravitational framework. European Physical Journal Plus, 2021, 136, 1.	2.6	5
48	Anisotropic charged Heintzmann solution using gravitational decoupling through extended geometric deformation approach. Physica Scripta, 2021, 96, 125008.	2.5	30
49	Relativistic stellar model in $f(R)$ gravity with Karmarkar condition. New Astronomy, 2021, 88, 101610.	1.8	12
50	Realistic anisotropic Karmarkar stars in Rastall gravitational framework. Results in Physics, 2021, 29, 104787.	4.2	8
51	An anisotropic version of Tolman VII solution in $f(R, \hat{A}T)$ gravity via gravitational decoupling MGD approach. European Physical Journal Plus, 2021, 136, 1.	2.6	69
52	Anisotropic counterpart of charged Durgapal V perfect fluid sphere. International Journal of Modern Physics D, 2021, 30, .	2.0	16
53	Charged anisotropic compact stellar solutions in torsion-trace gravity via modified chaplygin gas model. European Physical Journal Plus, 2021, 136, 1.	2.6	6
54	Existence of realistic stellar objects in Rastall gravity with linear equation of state. Canadian Journal of Physics, 2020, 98, 464-469.	1.1	13

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55	Complexity analysis of dynamical spherically-symmetric dissipative self-gravitating objects in modified gravity. International Journal of Modern Physics D, 2020, 29, 2050014.	2.0	26
56	Irreversible thermodynamic perception of particle creation in generalized non-minimally coupled gravity. Chinese Journal of Physics, 2020, 63, 392-401.	4.0	2
57	Evolution of Collisional Matter in Modified Teleparallel Theories. Journal of Physics: Conference Series, 2020, 1557, 012007.	0.4	0
58	Anisotropic charged realistic models in $f(R)$ gravity under Durgapal transformation. International Journal of Geometric Methods in Modern Physics, 2020, 17, 2050185.	2.0	6
59	Role of collisional matter in the framework of extended teleparallel theory. International Journal of Modern Physics D, 2020, 29, 2050099.	2.0	0
60	A study of the cosmologically reconstructed $f(T, \hat{A}B)$ gravity from the cosmological jerk parameter. European Physical Journal Plus, 2020, 135, 1.	2.6	8
61	Interior solutions of compact stars in $f(R, \hat{A}B)$ gravity under Karmarkar condition. Physics of the Dark Universe, 2020, 30, 100502.	2.3	29
62	Physically Acceptable Embedded Class-I Compact Stars in Modified Gravity with Karmarkar Condition. Symmetry, 2020, 12, 962.	2.3	29
63	Anisotropic Tolman V solution by minimal gravitational decoupling approach. Annals of Physics, 2020, 420, 168248.	2.9	64
64	Non-commutative wormholes exhibiting conformal motion in Rastall gravity. Chinese Journal of Physics, 2020, 65, 163-176.	4.0	36
65	Realistic stellar anisotropic model satisfying Karmarkar condition in $f(R, \hat{A}T)$ gravity. European Physical Journal C, 2020, 80, 1.	4.0	56
66	Complexity analysis of cylindrically symmetric self-gravitating dynamical system in $f(R, \hat{A}T)$ theory of gravity. Physics of the Dark Universe, 2020, 28, 100531.	5.0	50
67	Phantom evolving wormhole solutions in scalar-tensor theories. Chinese Journal of Physics, 2020, 65, 355-366.	4.0	7
68	Solar system tests in modified teleparallel gravity. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 024-024.	5.5	49
69	A study of $f(R, \hat{A}T)$ inflationary dynamics with non-interacting imperfect fluid. Modern Physics Letters A, 2020, 35, 2050108.	1.2	1
70	Cosmic evolution in the background of $f(R, \hat{A}T)$ gravity. Modern Physics Letters A, 2019, 34, 1950253.	1.2	6
71	Exact wormholes solutions without exotic matter in $f(R, T)$ gravity. International Journal of Geometric Methods in Modern Physics, 2019, 16, 1950046.	2.0	23
72	Thermodynamic analysis of modified teleparallel gravity involving higher-order torsion derivative terms. European Physical Journal C, 2019, 79, 1.	4.0	9

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73	Noncommutative inspired wormholes admitting conformal motion involving minimal coupling. International Journal of Modern Physics D, 2019, 28, 1950067.	2.0	29
74	Gaussian distributed wormholes exhibiting conformal motion in $f(T)$ gravity. International Journal of Geometric Methods in Modern Physics, 2019, 16, 1950143.	2.0	18
75	Dynamics of particles near brane-world black hole. International Journal of Modern Physics A, 2019, 34, 1950208.	1.4	5
76	Stability of realistic stellar objects in $f(R,T)$ gravity with anisotropic matter configuration. International Journal of Geometric Methods in Modern Physics, 2019, 16, 1950191.	2.0	3
77	Spherically symmetric traversable wormholes in $f(R_2,T)$ gravity. International Journal of Geometric Methods in Modern Physics, 2019, 16, 1950147.	2.0	6
78	Anisotropic stellar filaments evolving under expansion-free condition in $f(R,T)$ gravity. International Journal of Modern Physics D, 2018, 27, 1850047.	2.0	14
79	Thermodynamics and cosmological reconstruction in $f(R, \phi)$ gravity. Physics of the Dark Universe, 2018, 19, 78-90.	5.0	86
80	Dynamics of shearing viscous fluids in $f(R,T)$ gravity. International Journal of Modern Physics D, 2018, 27, 1750181.	2.0	23
81	Static spherically symmetric wormholes in generalized $f(R, \phi)$ gravity. European Physical Journal Plus, 2018, 133, 1.	2.6	37
82	Inflation in $f(R, \phi)$ gravity. European Physical Journal Plus, 2018, 2018, 1-10.	2.6	29
83	Energy constraints and the phenomenon of cosmic evolution in the $f(T,B)$ framework. European Physical Journal Plus, 2018, 133, 1.	2.6	29
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91	Higher-dimensional inhomogeneous perfect fluid collapse in $f(R)$ gravity. European Physical Journal C, 2017, 77, 1.	4.0	29
92	Collapse and expansion of plane symmetric charged anisotropic source. Canadian Journal of Physics, 2017, 95, 114-118.	1.1	2
93	Existence of stable wormholes on a non-commutative-geometric background in modified gravity. European Physical Journal C, 2017, 77, 1.	4.0	64
94	Interior solutions of fluid sphere in $f(R, T)$ gravity admitting conformal killing vectors. Astrophysics and Space Science, 2016, 361, 1.	1.4	28
95	Static spherically symmetric wormholes in $f(R, \hat{A}T)$ gravity. European Physical Journal C, 2016, 76, 1.	4.0	152
96	Dynamics of Bianchi type I, III and Kantowski-Sachs solutions in $f(R, T)$ gravity. Astrophysics and Space Science, 2016, 361, 1.	1.4	28
97	Some interior models of compact stars in $f(R)$ gravity. Astrophysics and Space Science, 2016, 361, 1.	1.4	57
98	Bianchi type I and V solutions in $f(R, T)$ gravity with time-dependent deceleration parameter. Canadian Journal of Physics, 2016, 94, 1289-1296.	1.1	14
99	Thermodynamics in $f(R, T)$ gravity with time-dependent deceleration parameter. Canadian Journal of Physics, 2016, 94, 1289-1296.	5.0	26
100	Analytic models of anisotropic strange stars in $f(T)$ gravity with off-diagonal tetrad. Astrophysics and Space Science, 2016, 361, 1.	1.4	37
101	Cosmological reconstruction and energy bounds in $f(R, R_{\alpha\eta}^{\alpha\eta}, \phi)$ gravity. European Physical Journal C, 2016, 76, 1.	4.0	31
102	Possible formation of compact stars in $f(R, T)$ gravity. Astrophysics and Space Science, 2016, 361, 1.	1.4	116
103	Phantom crossing with collisional matter in $f(T)$ gravity. International Journal of Modern Physics D, 2016, 25, 1650057.	2.0	22
104	Quintessence and Holographic Dark Energy in $f(R, T)$ gravity. Advances in High Energy Physics, 2015, 2015, 1-10.	1.1	9
105	Dynamics of anisotropic collapsing spheres in Einstein Gauss-Bonnet gravity. Modern Physics Letters A, 2015, 30, 1550038.	1.2	14
106	Impact of extended Starobinsky model on evolution of anisotropic, vorticity-free axially symmetric sources. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 033-033.	5.5	20
107	Anisotropic strange quintessence stars in $f(R)$ gravity. Astrophysics and Space Science, 2015, 358, 1.	1.4	43
108	Dynamical instability and expansion-free condition in $f(R, T)$ gravity. European Physical Journal C, 2015, 75, 1.	4.0	103

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109	Anisotropic compact stars in $f(T)$ gravity. <i>Astrophysics and Space Science</i> , 2015, 357, 1.	1.4	67
110	Reconstructing QCD ghost $f(R,T)$ models. <i>Astrophysics and Space Science</i> , 2015, 357, 1.	1.4	15
111	Shear-free condition and dynamical instability in $f(R,\hat{\Lambda}T)$ gravity. <i>European Physical Journal C</i> , 2015, 75, 1.	4.0	84
112	Energy constraints and $F(T, T_G)$ cosmology. <i>Astrophysics and Space Science</i> , 2015, 359, 1.	1.4	10
113	Generalized second law of thermodynamics in $f(T, T_G)$ gravity. <i>Astrophysics and Space Science</i> , 2015, 360, 1.	1.4	21
114	Evolution of axially symmetric anisotropic sources in $f(R,\hat{\Lambda}T)$ gravity. <i>European Physical Journal C</i> , 2015, 75, 1.	4.0	92
115	Thermodynamic study in modified $f(T)$ gravity with cosmological constant regime. <i>Astrophysics and Space Science</i> , 2015, 360, 1.	1.4	9
116	On dynamical instability of spherical star in $f(R,T)$ gravity. <i>Astrophysics and Space Science</i> , 2015, 356, 103-110.	1.4	53
117	Energy conditions in $f(T)$ gravity with non-minimal torsion-matter coupling. <i>Astrophysics and Space Science</i> , 2015, 355, 361-369.	1.4	38
118	Reconstructing QCD ghost $f(R,T)$ models. <i>Astrophysics and Space Science</i> , 2015, 357, 1.	1.4	1
119	Reconstruction and stability of $f(R,T)$ gravity with Ricci and modified Ricci dark energy. <i>Astrophysics and Space Science</i> , 2014, 349, 529-537.	1.4	72
120	Study of Bianchi I anisotropic model in $f(R,T)$ gravity. <i>Astrophysics and Space Science</i> , 2014, 349, 457-465.	1.4	98
121	Cosmological evolution of pilgrim dark energy. <i>Astrophysics and Space Science</i> , 2014, 352, 263-272.	1.4	12
122	Reconstructing $f(R)$ theory from pilgrim dark energy. <i>Astrophysics and Space Science</i> , 2014, 353, 699-705.	1.4	11
123	Cosmological reconstruction and stability in $f(R, T)$ gravity. <i>General Relativity and Gravitation</i> , 2014, 46, 1.	2.1	90
124	Reconstruction and stability of $f(R,T)$ gravity with Ricci and modified Ricci dark energy. <i>Astrophysics and Space Science</i> , 2014, 349, 529.	1.4	1
125	Thermodynamic behavior of particular $f(R,T)$ -gravity models. <i>Journal of Experimental and Theoretical Physics</i> , 2013, 117, 248-257.	1.0	58
126	Energy conditions in $f(R, T, R^{\hat{1}/4}\hat{1}/2 T^{\hat{1}/4}\hat{1}/2)$ gravity. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.8	104



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127	Energy Conditions Constraints and Stability of Power Law Solutions in $f(R, T)$ Gravity. Journal of the Physical Society of Japan, 2013, 82, 014002.	1.6	132
128	Cosmology of Holographic and New Agegraphic $f(R, T)$ Models. Journal of the Physical Society of Japan, 2013, 82, 064001.	1.6	65
129	Analysis of $f(R, T)$ gravity and NHDE. Advances in High Energy Physics, 2013, 2013, 1-10.		
130	Study of thermodynamic laws in $f(R, T)$ gravity. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 042-042.	5.5	64
131	Thermodynamics in Modified Gravity with Curvature Matter Coupling. Advances in High Energy Physics, 2013, 2013, 1-9.	1.1	8
132	Evolution of the universe in inverse and $\ln f(R)$ gravity. Astrophysics and Space Science, 2012, 342, 511-520.	1.4	13
133	Anisotropic Universe Models with Perfect Fluid and Scalar Field in $f(R, T)$ Gravity. Journal of the Physical Society of Japan, 2012, 81, 114005.	1.6	80
134	Thermodynamics in $f(R, T)$ theory of gravity. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 028-028.	5.5	283
135	Dynamics of a magnetized Bianchi VI 0 universe with anisotropic fluid. Astrophysics and Space Science, 2012, 339, 45-51.	1.4	17
136	Dynamics of Bianchi I universe with magnetized anisotropic Dark Energy. Astrophysics and Space Science, 2010, 330, 399-405.	1.4	84
137	EFFECTS OF ELECTROMAGNETIC FIELD ON THE DYNAMICS OF BIANCHI TYPE VI 0 UNIVERSE WITH ANISOTROPIC DARK ENERGY. International Journal of Modern Physics D, 2010, 19, 1957-1972.	2.0	50
138	A study of Bouncing Cosmology in Framework of $f(T, \dots)$ Gravity with Probing of Cosmographic parameters. International Journal of Geometric Methods in Modern Physics, 0, , .	2.0	2
139	Casimir Wormholes inspired by Electric Charge in Einstein Gauss-Bonnet gravity. Communications in Theoretical Physics, 0, , .	2.4	0