

Z Yousaf

List of Publications by Year in descending order

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151
papers

4,310
citations

76326

40
h-index

149698

56
g-index

152
all docs

152
docs citations

152
times ranked

273
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure of spherically symmetric objects: a study based on structure scalars. <i>Physica Scripta</i> , 2022, 97, 025301.	2.5	18
2	On the study of complexity for charged self-gravitating systems. <i>Chinese Journal of Physics</i> , 2022, , .	3.9	9
3	A Comprehensive Analysis of Hyperbolical Fluids in Modified Gravity. <i>Entropy</i> , 2022, 24, 150.	2.2	10
4	Structure scalars and dissipative fluids in modified theory. <i>Chinese Journal of Physics</i> , 2022, , .	3.9	0
5	Quasi static evolution of compact objects in modified gravity. <i>General Relativity and Gravitation</i> , 2022, 54, 1.	2.0	12
6	Hyperbolically symmetric sources in $$f(R, T)$$ gravity. <i>Annals of Physics</i> , 2022, 437, 168753.	2.8	15
7	Hyperbolically symmetric static charged cosmological fluid models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 4100-4109.	4.4	11
8	Cylindrical Gravastar Like-Structures in $f(G)$ Gravity. <i>Galaxies</i> , 2022, 10, 40.	3.0	7
9	Electromagnetic effects on cylindrical gravastar-like strings in $f(R, T)$ gravity. <i>Chinese Journal of Physics</i> , 2022, 19, .	2.0	6
10	Quasi-homologous evolution of relativistic charged objects within $f(R, T)$ gravity. <i>Chinese Journal of Physics</i> , 2022, 77, 2168-2188.	2.0	6
11	Spatially Hyperbolic Gravitating Sources in $\hat{\Lambda}$ -Dominated Era. <i>Universe</i> , 2022, 8, 131.	2.5	30
12	Non-static charged complex structures in $f(\mathbb{G}, \mathbf{T}^2)$ gravity. <i>European Physical Journal Plus</i> , 2022, 137, 1.	2.6	14
13	Dynamical analysis of charged fluid under nonminimally coupled gravity theory. <i>International Journal of Modern Physics D</i> , 2022, 31, .	2.1	18
14	Role of $f(G)$ gravity in the study of non-static complex systems. <i>Canadian Journal of Physics</i> , 2022, 100, 185-192.	1.1	10
15	The bouncing behavior in $f(R)$ gravity. <i>Indian Journal of Physics</i> , 2022, 96, 4007-4017.	1.8	3
16	Consequences of electric charge on anisotropic hyperbolically symmetric static spacetime. <i>Physica Scripta</i> , 2022, 97, 055304.	2.5	4
17	Stability analysis of restricted non-static axial geometry in $f(R, T)$ gravity. <i>Chinese Journal of Physics</i> , 2022, 77, 2617-2638.	3.9	19
18	Stability analysis of restricted non-static axial geometry in $f(R, T)$ gravity. <i>Physics of the Dark Universe</i> , 2022, 36, 101015.	4.9	29

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19	Dynamical analysis for cylindrical geometry in non-minimally coupled $f(R,T)$ gravity. International Journal of Geometric Methods in Modern Physics, 2022, 19, .	2.0	17
20	Evolution of axially and reflection symmetric source in energy-momentum squared gravity. European Physical Journal Plus, 2022, 137, 1.	2.6	7
21	Quasi-static approximation in the study of compact stars. Chinese Journal of Physics, 2022, 77, 2014-2027.	3.9	8
22	Hyperbolically symmetric sources, a comprehensive study in $f(T)$ gravity. European Physical Journal Plus, 2022, 137, 1.	2.6	9
23	Electromagnetic influence on hyperbolically symmetric sources in $f(T)$ gravity. European Physical Journal C, 2022, 82, .	3.9	6
24	Cosmic bounce with $\hat{\Lambda}(e^{\int \hat{a}^2 G / \hat{a}^2 + 2\hat{\Lambda}} T)$ model. Physica Scripta, 2022, 97, 055306.	2.5	9
25	Compact relativistic geometries in $f(R, G)$ gravity. International Journal of Geometric Methods in Modern Physics, 2022, 19, .	2.0	6
26	Effects of non-minimally coupled $f(R, T)$ gravity on the stability of a self-gravitating spherically symmetric fluid. International Journal of Geometric Methods in Modern Physics, 2022, 19, .	2.0	19
27	Electromagnetic field and spherically symmetric dissipative fluid models. Pramana - Journal of Physics, 2022, 96, .	1.5	1
28	Matter-curvature gravity modification and the formation of cylindrical isotropic systems. Pramana - Journal of Physics, 2022, 96, .	1.5	3
29	Various phases of irregular energy density in charged spheres. Annals of Physics, 2022, 442, 168935.	2.8	4
30	Significance of Charge on the Dynamics of Hyperbolically Distributed Fluids. Universe, 2022, 8, 337.	2.5	4
31	Dissipative collapse of cosmic structures in modified gravity. Chinese Journal of Physics, 2022, 78, 363-376.	3.9	7
32	The bouncing cosmic behavior with logarithmic law $f(R, G)$ gravity. Chinese Journal of Physics, 2022, 79, 275-286.	3.9	7
33	Measure of complexity in self-gravitating systems using structure scalars. New Astronomy, 2021, 84, 101541.	1.8	25
34	Gravitational collapse of a self-gravitating unidirectional fluid flow. New Astronomy, 2021, 84, 101533.	1.8	7
35	Structure scalars and their evolution for massive objects in $f(R)$ gravity. European Physical Journal C, 2021, 81, 1.	3.9	18
36	Information paradox for a collapsing string cloud in rainbow gravity. International Journal of Geometric Methods in Modern Physics, 2021, 18, 2150084.	2.0	7

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37	Stable charged radiating systems associated with tilted observers. <i>European Physical Journal Plus</i> , 2021, 136, 1.	2.6	15
38	The second wave of desaturation in coronavirus disease 2019. <i>New Microbes and New Infections</i> , 2021, 41, 100866.	1.6	1
39	On the stability of pressure isotropy condition in Palatini $f(R)$ gravity. <i>International Journal of Modern Physics D</i> , 2021, 30, 2150058.	2.1	6
40	Charged gravastars in $f(R, T, R^{1/4}\hat{T}^{1/2})$ gravity. <i>International Journal of Modern Physics D</i> , 2021, 30, 2150084.	2.1	5
41	Electromagnetic field and complexity of relativistic fluids in $f(G)$ gravity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 4543-4560.	4.4	19
42	Formation of cylindrical gravastars in modified gravity. <i>International Journal of Geometric Methods in Modern Physics</i> , 2021, 18, 2150167.	2.0	3
43	Analysis of structure scalars in $f(R)$ gravity with an electric charge. <i>Physica Scripta</i> , 2021, 96, 115301.	2.5	7
44	Influence of $f(G)$ gravity on the complexity of relativistic self-gravitating fluids. <i>International Journal of Modern Physics D</i> , 2021, 30, .	2.1	13
45	Role of structure scalars on the evolution of compact objects in Palatini $f(R)$ gravity. <i>Chinese Journal of Physics</i> , 2021, 72, 18-37.	3.9	15
46	Influence of electromagnetic field on hyperbolically symmetric source. <i>European Physical Journal Plus</i> , 2021, 136, 1.	2.6	9
47	Generalized Lemaître-Tolman-Bondi spacetime under the influence of electric charge and Palatini $f(R)$ gravity. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	3
48	Quasi-homologous evolution of relativistic stars. <i>Annals of Physics</i> , 2021, 432, 168570.	2.8	7
49	Role of quasi-homologous condition to study complex systems in $f(\mathbb{G}, T)$ gravity. <i>European Physical Journal Plus</i> , 2021, 136, 1.	2.6	10
50	Dynamical instability of charged self-gravitating stars in modified gravity. <i>Chinese Journal of Physics</i> , 2021, 73, 115-135.	3.9	11
51	Axially and reflection symmetric systems and structure scalars in $f(R, T)$ gravity. <i>Annals of Physics</i> , 2021, 433, 168601.	2.8	14
52	Electrically charged string-like axially symmetric object composition in $f(R, T)$ gravity. <i>Chinese Journal of Physics</i> , 2021, 73, 493-502.	3.9	10
53	Gravastars in modified Gauss-Bonnet gravity. <i>Chinese Journal of Physics</i> , 2021, 73, 167-178.	3.9	11
54	Inflationary anisotropic phases with bianchi-I cosmic model. <i>New Astronomy</i> , 2021, 89, 101650.	1.8	0

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55	Electromagnetic field and quasi-homologous constraint for spherical fluids in $f(R, \hat{\Lambda})$ gravity. European Physical Journal Plus, 2021, 136, 1.	2.6	10
56	Charged gravastars in modified Gauss-Bonnet gravity. Modern Physics Letters A, 2021, 36, .	1.2	7
57	Hyperbolically symmetric sources in Palatini $f(R)$ gravity. European Physical Journal C, 2021, 81, 1.	3.9	4
58	Existence of dynamical wormholes in $f(R)$ gravity. Canadian Journal of Physics, 2020, 98, 474-483.	1.1	8
59	Evolution of the charged dynamical radiating spherical structures. Annals of Physics, 2020, 420, 168267.	2.8	29
60	Influence of modification of gravity on the complexity factor of static spherical structures. Monthly Notices of the Royal Astronomical Society, 2020, 495, 4334-4346.	4.4	54
61	Complexity for self-gravitating fluid distributions in $f(G, \hat{\Lambda})$ gravity. European Physical Journal Plus, 2020, 135, 1.	2.6	35
62	Measure of complexity for dynamical self-gravitating structures. International Journal of Modern Physics D, 2020, 29, 2050061.	2.1	32
63	Dynamical analysis of self-gravitating stars in modified Gauss-Bonnet gravity. Physical Review D, 2020, 101, .	4.7	20
64	Gravastars in $f(R, \hat{\Lambda})$ gravity. Physics of the Dark Universe, 2020, 28, 100527.	4.9	42
65	Spherical collapse with heat dissipation in $f(R, T, R^{\hat{1}/4} \hat{T}^{\hat{1}/2})$ gravity. International Journal of Geometric Methods in Modern Physics, 2020, 17, 2050017.	2.0	12
66	Study of static charged spherical structure in $f(R, \hat{\Lambda}, \hat{\Lambda}Q)$ gravity. European Physical Journal Plus, 2020, 135, 1.	2.6	30
67	Stability of self-gravitating anisotropic fluids in $f(R, \hat{\Lambda})$ gravity. Physics of the Dark Universe, 2020, 28, 100501.	4.9	64
68	Construction of charged cylindrical gravastar-like structures. Physics of the Dark Universe, 2020, 28, 100509.	4.9	73
69	Effects of electromagnetic field on the stability of locally isotropic gravastars. New Astronomy, 2020, 80, 101397.	1.8	4
70	The measure of complexity in charged celestial bodies in $f(R, \hat{\Lambda})$ gravity.		

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73	Gravastars in $f(R,G)$ gravity. <i>Physics of the Dark Universe</i> , 2020, 29, 100561.	4.9	27
74	Definition of complexity factor for self-gravitating systems in Palatini $f(R)$ gravity. <i>Physica Scripta</i> , 2020, 95, 075307.	2.5	58
75	Charged gravastars in modified gravity. <i>Physical Review D</i> , 2019, 100, .	4.7	62
76	Stability of charged neutron star in Palatini $f(R)$ gravity. <i>Modern Physics Letters A</i> , 2019, 34, 1950252.	1.2	4
77	Dissipative self-gravitating systems in modified gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 011-011.	5.4	18
78	Stability analysis of neutron stars in Palatini $f(R,\hat{T})$ gravity. <i>General Relativity and Gravitation</i> , 2019, 51, 1.	2.0	20
79	Energy content of a collapsing sphere with $f(R)$ gravity. <i>International Journal of Geometric Methods in Modern Physics</i> , 2019, 16, 1950041.	2.0	9
80	Hydrodynamic properties of dissipative fluids associated with tilted observers. <i>Modern Physics Letters A</i> , 2019, 34, 1950333.	1.2	40
81	Non-reversible evolution of tilted Szekeres spacetimes with $f(R)$ gravity. <i>European Physical Journal Plus</i> , 2019, 134, 1.	2.6	17
82	Tilted shear-free axially symmetric fluids in $f(R)$ gravity. <i>European Physical Journal Plus</i> , 2019, 134, 1.	2.6	15
83	Circular motion and energy extraction in a rotating black hole. <i>Physics of the Dark Universe</i> , 2019, 24, 100263.	4.9	11
84	On the role of $f(G, T)$ terms in structure scalars. <i>European Physical Journal Plus</i> , 2019, 134, 1.	2.6	67
85	Locally isotropic gravastars with cylindrical spacetime. <i>International Journal of Modern Physics D</i> , 2019, 28, 1950123.	2.1	15
86	Bounds on higher derivative $f(R,\hat{R},T)$ models from energy conditions. <i>Modern Physics Letters A</i> , 2019, 34, 1950082.	1.2	7
87	Electromagnetic field and dark dynamical scalars for spherical systems. <i>European Physical Journal Plus</i> , 2019, 134, 1.	2.6	10
88	Tolman mass of spherical fluids with electromagnetic field. <i>Modern Physics Letters A</i> , 2019, 34, 1950012.	1.2	19
89	Role of $f(G,T)$ gravity on the evolution of relativistic stars. <i>International Journal of Modern Physics D</i> , 2018, 27, 1850044.	2.1	74
90	Some anisotropic planar stellar models. <i>International Journal of Geometric Methods in Modern Physics</i> , 2018, 15, 1850160.	2.0	13

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91	Existence of wormhole solutions and energy conditions in $f(R, \hat{T})$ gravity. Journal of Astrophysics and Astronomy, 2018, 39, 1.	1.0	54
92	Structure scalars of spherically symmetric dissipative fluids with $f(G, T)$ gravity. Astrophysics and Space Science, 2018, 363, 1.	1.4	65
93	Thermodynamics and glassy phase transition of regular black holes. Modern Physics Letters A, 2018, 33, 1850089.	1.2	13
94	Energy conditions in higher derivative $f(R, \hat{\square}R, T)$ gravity. International Journal of Geometric Methods in Modern Physics, 2018, 15, 1850146.	2.0	26

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109	Existence of relativistic structures in $f(R, T)$ gravity. <i>Astrophysics and Space Science</i> , 2017, 362, 1.	1.4	28
110	Charged black string thin-shell wormholes in modified gravity. <i>Annals of Physics</i> , 2017, 383, 439-454.	2.8	17
111	Stability analysis of stellar radiating filaments. <i>Classical and Quantum Gravity</i> , 2017, 34, 145002.	4.0	68
112	Role of $f(R, T, R_{\mu\nu}T^{\mu\nu})$ model on the stability of cylindrical stellar model. <i>European Physical Journal C</i> , 2017, 77, 1.	3.9	49
113	Spherical relativistic vacuum core models in a Λ -dominated era. <i>European Physical Journal Plus</i> , 2017, 132, 1.	2.6	78
114	Stellar filaments with Minkowskian core in the Einstein- Λ gravity. <i>European Physical Journal Plus</i> , 2017, 132, 1.	2.6	62
115	Stability of compact stars in $f(R, T, R_{\mu\nu}T^{\mu\nu})$ gravity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 4509-4519.	4.4	43
116	Dynamical variables and evolution of the universe. <i>International Journal of Modern Physics D</i> , 2017, 26, 1750029.	2.1	43
117	Gravitational collapse and dark universe with LTB geometry. <i>International Journal of Modern Physics D</i> , 2017, 26, 1750045.	2.1	41
118	Evolution of compact stars and dark dynamical variables. <i>European Physical Journal C</i> , 2017, 77, 1.	3.9	47
119	Evolution of inhomogeneous LTB geometry with tilted congruence and modified gravity. <i>Canadian Journal of Physics</i> , 2017, 95, 1246-1252.	1.1	9
120	Influence of modification of gravity on the dynamics of radiating spherical fluids. <i>Physical Review D</i> , 2016, 93, .	4.7	123
121	Causes of irregular energy density in $f(R, T, R_{\mu\nu}T^{\mu\nu})$ gravity. <i>Physical Review D</i> , 2016, 93, .	4.7	181
122	Influence of electric charge and modified gravity on density irregularities. <i>European Physical Journal C</i> , 2016, 76, 1.	3.9	50
123	Cavity evolution and instability constraints of relativistic interiors. <i>European Physical Journal C</i> , 2016, 76, 1.	3.9	64
124	Charged Adiabatic LTB Gravitational Collapse in $f(R)$ Gravity. <i>International Journal of Theoretical Physics</i> , 2016, 55, 470-480.	1.2	47
125	Electromagnetic field and cylindrical compact objects in modified gravity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 1785-1802.	4.4	76
126	Instability of meridional axial system in $f(R)$ gravity. <i>European Physical Journal C</i> , 2015, 75, 1.	3.9	45

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127	Stability of regular energy density in Palatini $f(R)$ gravity. European Physical Journal C, 2015, 75, 1.	3.9	38
128	Radiating cylindrical gravitational collapse with structure scalars in $f(R)$ gravity. Astrophysics and Space Science, 2015, 357, 1.	1.4	43
129	Dynamics of spherical stars with structure scalars and $R + \lambda R^2$ cosmology. Canadian Journal of Physics, 2015, 93, 905-911.	1.1	29
130	Dynamics of relativistic fluids with structure scalars and $\epsilon R^2 + \mu R^2$ cosmology. General Relativity and Gravitation, 2015, 47, 1.	2.0	47
131	Role of adiabatic index on the evolution of spherical gravitational collapse in Palatini $f(R)$ gravity. Astrophysics and Space Science, 2015, 355, 317-331.	1.4	48
132	Energy density inhomogeneities with polynomial $f(R)$ cosmology. Astrophysics and Space Science, 2014, 352, 321-329.	1.4	42
133	Cylindrical thin-shell wormholes in $f(R)$ gravity. Astrophysics and Space Science, 2014, 351, 351-360.	1.4	37
134	Energy density inhomogeneities in charged radiating stars with generalized CDTT model. Astrophysics and Space Science, 2014, 354, 431-441.	1.4	26
135	Dynamical analysis of self-gravitating stars in $f(R,T)$ gravity. Astrophysics and Space Science, 2014, 354, 471-479.	1.4	79
136	Dynamical analysis of radiating spherical collapse in Palatini $f(R)$ gravity. Astrophysics and Space Science, 2014, 354, 481-496.	1.4	18
137	Stability analysis of cylindrically symmetric self-gravitating systems in $R + \lambda R^2$ gravity. Monthly Notices of the Royal Astronomical Society, 2014, 440, 3479-3490.	4.4	50
138	Stability of a class of non-static axial self-gravitating systems in $f(R)$ gravity. Astrophysics and Space Science, 2014, 352, 943-954.	1.4	17
139	Electromagnetic field and dynamical instability of collapse with CDTT model. Astroparticle Physics, 2014, 56, 19-25.	4.3	44
140	Instability of a dissipative restricted non-static axial collapse with shear viscosity in $f(R)$ gravity. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 019-019.	5.4	14
141	Dynamical instability of the charged expansion-free spherical collapse in $f(R)$ gravity. Monthly Notices of the Royal Astronomical Society, 2013, 432, 264-273.	4.7	96
142	Electromagnetic field and dynamical instability of cylindrical collapse in $f(R)$ gravity. Monthly Notices of the Royal Astronomical Society, 2013, 432, 264-273.	4.4	47
143	Effects of CDTT model on the stability of spherical collapse in Palatini $f(R)$ gravity. European Physical Journal C, 2013, 73, 1.	3.9	42
144	Stability of the charged spherical dissipative collapse in $f(R)$ gravity. Monthly Notices of the Royal Astronomical Society, 2013, 434, 2529-2538.	4.4	46

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145	âœl Am a Poet of Workers and Peasantsâœl Working-class Poets of Pakistan. World Literature Today, 2013, 87, 47.	0.0	0
146	Shearfree Spherically Symmetric Fluid Models. Chinese Physics Letters, 2012, 29, 050403.	3.3	32
147	Expansion-free cylindrically symmetric models. Canadian Journal of Physics, 2012, 90, 865-870.	1.1	52
148	EVOLUTION OF EXPANSION-FREE SELF-GRAVITATING FLUIDS AND PLANE SYMMETRY. International Journal of Modern Physics D, 2012, 21, 1250095.	2.1	38
149	Analysis of charged gravastar in $f(R,G)$ gravity. International Journal of Modern Physics D, 0, , .	2.1	2
150	Structure scalars and an extension to LTB metric. International Journal of Modern Physics D, 0, , .	2.1	0
151	Few thermodynamical features of charged accelerating rotating black holes. International Journal of Geometric Methods in Modern Physics, 0, , .	2.0	2