

Tiberiu Harko

List of Publications by Year in descending order

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264
papers

15,357
citations

17319

63
h-index

20222

117
g-index

280
all docs

280
docs citations

280
times ranked

3975
citing authors

#	ARTICLE	IF	CITATIONS
1	$f(R)$ gravity. Physical Review D, 2007, 75, .	4.8	1913
2	Extra force $f(R)$ modified theories of gravity. Physical Review D, 2007, 75, .	4.8	725
3	Anisotropic stars in general relativity. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2003, 459, 393-408.	2.1	410
4	$f(R, L_m)$ gravity. European Physical Journal C, 2010, 70, 373-379.	4.0	378
5	Can dark matter be a Bose-Einstein condensate?. Journal of Cosmology and Astroparticle Physics, 2007, 2007, 025-025.	5.5	365
6	Exact analytical solutions of the Susceptible-Infected-Recovered (SIR) epidemic model and of the SIR model with equal death and birth rates. Applied Mathematics and Computation, 2014, 236, 184-194.	2.3	332
7	Further matters in space-time geometry: $f(R)$ gravity. European Physical Journal C, 2010, 70, 373-379.	4.8	277
8	Bounds on the basic physical parameters for anisotropic compact general relativistic objects. Classical and Quantum Gravity, 2006, 23, 6479-6491.	4.0	268
9	Modified-gravity wormholes without exotic matter. Physical Review D, 2013, 87, .	4.8	260
10	Generalized Curvature-Matter Couplings in Modified Gravity. Galaxies, 2014, 2, 410-465.	3.1	225
11	Modified gravity with arbitrary coupling between matter and geometry. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 669, 376-379.	4.1	223
12	Thermodynamic interpretation of the generalized gravity models with geometry-matter coupling. Physical Review D, 2014, 90, .	4.8	218
13	$f(R)$ gravity and cosmology. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 021-021.	5.5	213
14	Wormhole geometries in modified teleparallel gravity and the energy conditions. Physical Review D, 2012, 85, .	4.8	207
15	$f(Q, \hat{T})$ gravity. European Physical Journal C, 2019, 79, 1.	4.0	206
16	Coupling matter in modified $f(R)$ gravity. Physical Review D, 2018, 98, .	4.8	200
17	Dark matter as a geometric effect in $f(R)$ gravity. Astroparticle Physics, 2008, 29, 386-392.	4.4	199
18	Bose-Einstein condensate general relativistic stars. Physical Review D, 2012, 86, .	4.8	187

#	ARTICLE	IF	CITATIONS
19	Thin accretion disks in stationary axisymmetric wormhole spacetimes. <i>Physical Review D</i> , 2009, 79, .	4.8	175
20	Metric-Palatini gravity unifying local constraints and late-time cosmic acceleration. <i>Physical Review D</i> , 2012, 85, .	4.8	174
21	Wormholes supported by hybrid metric-Palatini gravity. <i>Physical Review D</i> , 2012, 86, .	4.8	164
22	An Exact Anisotropic Quark Star Model. <i>Research in Astronomy and Astrophysics</i> , 2002, 2, 248-259.	1.1	158
23	Nonminimal torsion-matter coupling extension of $f(R, \hat{T})$ gravity theory, and its cosmological implications. <i>European Physical Journal C</i> , 2018, 78, 1.	4.8	155
24	Hybrid Metric-Palatini Gravity. <i>Universe</i> , 2015, 1, 199-238.	2.5	148
25	Evolution of cosmological perturbations in Bose-Einstein condensate dark matter. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 413, 3095-3104.	4.6	146
26	Can the galactic rotation curves be explained in brane world models?. <i>Physical Review D</i> , 2004, 70, .	4.8	140
27	Minimum mass-radius ratio for charged gravitational objects. <i>General Relativity and Gravitation</i> , 2007, 39, 757-775.	2.1	133
28	Electromagnetic signatures of thin accretion disks in wormhole geometries. <i>Physical Review D</i> , 2008, 78, .	4.8	127
29	Bose-Einstein condensation of dark matter solves the core/cusp problem. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 022-022.	5.5	123
30	Gravitational induced particle production through a nonminimal curvature-matter coupling. <i>European Physical Journal C</i> , 2015, 75, 1.	4.0	120
31	Palatini formulation of $f(R, \hat{T})$ gravity theory, and its cosmological implications. <i>European Physical Journal C</i> , 2018, 78, 1.	4.0	120
32	Thin accretion disks in $f(R, \hat{T})$ gravity theory, and its cosmological implications. <i>European Physical Journal C</i> , 2018, 78, 1.	4.8	118
33	Can accretion disk properties distinguish gravastars from black holes?. <i>Classical and Quantum Gravity</i> , 2009, 26, 215006.	4.0	117
34	Can accretion disk properties observationally distinguish black holes from naked singularities?. <i>Physical Review D</i> , 2010, 82, .	4.8	116
35	Dark energy as a massive vector field. <i>European Physical Journal C</i> , 2007, 50, 423-429.	4.0	109
36	The generalized virial theorem in $f(R, \hat{T})$ gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2008, 2008, 024.	5.5	108

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37	Testing Hořava-Lifshitz gravity using thin accretion disk properties. <i>Physical Review D</i> , 2009, 80, .	4.8	107
38	PALATINI FORMULATION OF MODIFIED GRAVITY WITH A NON-MINIMAL CURVATURE-MATTER COUPLING. <i>Modern Physics Letters A</i> , 2011, 26, 1467-1480.	1.2	106
39	Extended $f(R, L)$ gravity with a non-minimal curvature-matter coupling. <i>Physical Review D</i> , 2013, 87, .	4.8	99
40	Thin accretion disks onto brane world black holes. <i>Physical Review D</i> , 2008, 78, .	4.8	91
41	Thin accretion disk signatures in dynamical Chern-Simons-modified gravity. <i>Classical and Quantum Gravity</i> , 2010, 27, 105010.	4.0	91
42	HYBRID MODIFIED GRAVITY UNIFYING LOCAL TESTS, GALACTIC DYNAMICS AND LATE-TIME COSMIC ACCELERATION. <i>International Journal of Modern Physics D</i> , 2013, 22, 1342006.	2.0	90
43	MAXIMUM MASS-RADIUS RATIO FOR COMPACT GENERAL RELATIVISTIC OBJECTS IN SCHWARZSCHILD-DE SITTER GEOMETRY. <i>Modern Physics Letters A</i> , 2000, 15, 2153-2158.	1.2	89
44	Cosmology of hybrid metric-Palatini $f(X)$ -gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 011-011.	5.5	89
45	Structure of neutron, quark, and exotic stars in Eddington-inspired Born-Infeld gravity. <i>Physical Review D</i> , 2013, 88, .	4.8	87
46	The matter Lagrangian and the energy-momentum tensor in modified gravity with nonminimal coupling between matter and geometry. <i>Physical Review D</i> , 2010, 81, .	4.8	86
47	Jacobi stability analysis of dynamical systems' applications in gravitation and cosmology. <i>Advances in Theoretical and Mathematical Physics</i> , 2012, 16, 1145-1196.	0.6	84
48	Maximum mass-radius ratios for charged compact general relativistic objects. <i>Europhysics Letters</i> , 2001, 55, 310-316.	2.0	83
49	New derivation of the Lagrangian of a perfect fluid with a barotropic equation of state. <i>Physical Review D</i> , 2012, 86, .	4.8	83
50	Vacuum solutions of the gravitational field equations in the brane world model. <i>Physical Review D</i> , 2004, 69, .	4.8	81
51	The virial theorem and the dark matter problem in hybrid metric-Palatini gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 024-024.	5.5	81
52	Arbitrary scalar-field and quintessence cosmological models. <i>European Physical Journal C</i> , 2014, 74, 1.	4.0	80
53	Weyl type $f(Q, \hat{\mathcal{A}})$ gravity, and its cosmological implications. <i>European Physical Journal C</i> , 2020, 80, 1.	4.0	80
54	Virial theorem and the dynamics of clusters of galaxies in the brane world models. <i>Physical Review D</i> , 2007, 76, .	4.8	79

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55	Galactic rotation curves in hybrid metric-Palatini gravity. <i>Astroparticle Physics</i> , 2013, 50-52, 65-75.	4.4	78
56	Collapsing strange quark matter in Vaidya geometry. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000, 266, 249-253.	2.2	75
57	Anisotropic relativistic stellar models. <i>Annalen Der Physik</i> , 2002, 11, 3.	2.5	75
58	Cosmological dynamics of dark matter Bose-Einstein condensation. <i>Physical Review D</i> , 2011, 83, .	4.8	69
59	Geodesic deviation, Raychaudhuri equation, and tidal forces in modified gravity with an arbitrary curvature-matter coupling. <i>Physical Review D</i> , 2012, 86, .	4.8	69
60	Weyl-Cartan-Weitzenböck gravity as a generalization of teleparallel gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012, 2012, 061-061.	5.5	67
61	Irreversible thermodynamic description of interacting dark energy-dark matter cosmological models. <i>Physical Review D</i> , 2013, 87, .	4.8	66
62	Particle creation in varying speed of light cosmological models. <i>Classical and Quantum Gravity</i> , 1999, 16, 2741-2752.	4.0	64
63	EXACT MODELS FOR ANISOTROPIC RELATIVISTIC STARS. <i>International Journal of Modern Physics D</i> , 2002, 11, 207-221.	2.0	64
64	Quantum Cosmology of $f(R, \hat{A})$ gravity. <i>European Physical Journal C</i> , 2016, 76, 1.	4.0	63
65	Physics of Dark Energy Particles. <i>Foundations of Physics</i> , 2008, 38, 216-227.	1.3	62
66	Thin accretion disk signatures of slowly rotating black holes in Hořava gravity. <i>Classical and Quantum Gravity</i> , 2011, 28, 165001.	4.0	62
67	Cosmological implications of modified gravity induced by quantum metric fluctuations. <i>European Physical Journal C</i> , 2016, 76, 1.	4.0	61
68	Galactic Metric, Dark Radiation, Dark Pressure, and Gravitational Lensing in Brane World Models. <i>Astrophysical Journal</i> , 2006, 636, 8-20.	4.7	59
69	Thin accretion discs around neutron and quark stars. <i>Astronomy and Astrophysics</i> , 2009, 500, 621-631.	5.3	59
70	Solar system tests of brane world models. <i>Classical and Quantum Gravity</i> , 2008, 25, 045015.	4.0	57
71	Geodesic deviation, Raychaudhuri equation, Newtonian limit, and tidal forces in Weyl-type $f(Q, \hat{A})$ gravity. <i>European Physical Journal C</i> , 2021, 81, 1.	4.0	57
72	Jacobi stability analysis of the Lorenz system. <i>International Journal of Geometric Methods in Modern Physics</i> , 2015, 12, 1550081.	2.0	56

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73	Anisotropic charged fluid spheres in D space-time dimensions. <i>Journal of Mathematical Physics</i> , 2000, 41, 4752-4764.	1.2	55
74	Isotropic stars in general relativity. <i>European Physical Journal C</i> , 2013, 73, 1.	4.0	55
75	Cosmological particle production in five-dimensional Kaluza-Klein theory. <i>Classical and Quantum Gravity</i> , 1999, 16, 4085-4099.	4.0	54
76	Hybrid metric-Palatini stars. <i>Physical Review D</i> , 2017, 95, .	4.8	54
77	Structure of the Electrospheres of Bare Strange Stars. <i>Astrophysical Journal</i> , 2005, 620, 915-921.	4.7	53
78	Can stellar mass black holes be quark stars?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 400, 1632-1642.	4.6	53
79	Gravitational collapse of a Hagedorn fluid in Vaidya geometry. <i>Physical Review D</i> , 2003, 68, .	4.8	52
80	Does the cosmological constant imply the existence of a minimum mass?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005, 630, 73-77.	4.1	51
81	Null fluid collapse in brane world models. <i>Physical Review D</i> , 2014, 89, .	4.8	49
82	The Cauchy problem in hybrid metric-Palatini $f(X)$ -gravity. <i>International Journal of Geometric Methods in Modern Physics</i> , 2014, 11, 1450042.	2.0	49
83	Anisotropy in Bianchi-type brane cosmologies. <i>Classical and Quantum Gravity</i> , 2004, 21, 1489-1503.	4.0	47
84	Quark-hadron phase transitions in the viscous early universe. <i>Physical Review D</i> , 2012, 85, .	4.8	47
85	Jacobi stability of the vacuum in the static spherically symmetric brane world models. <i>Physical Review D</i> , 2008, 77, .	4.8	46
86	GENERALIZED DARK GRAVITY. <i>International Journal of Modern Physics D</i> , 2012, 21, 1242019.	2.0	46
87	Bianchi type I cosmologies in arbitrary dimensional dilaton gravities. <i>Physical Review D</i> , 2000, 62, .	4.8	45
88	Nonlinear Stability Analysis of the Emden-Fowler Equation. <i>Journal of Nonlinear Mathematical Physics</i> , 2010, 17, 503.	1.2	45
89	Weyl-Cartan-Weitzenböck gravity through Lagrange multiplier. <i>Physical Review D</i> , 2013, 88, .	4.8	45
90	Exact power series solutions of the structure equations of the general relativistic isotropic fluid stars with linear barotropic and polytropic equations of state. <i>Astrophysics and Space Science</i> , 2016, 361, 1.	1.4	45

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91	Matter may matter. International Journal of Modern Physics D, 2014, 23, 1442016.	2.0	44
92	Exact scalar-tensor cosmological solutions via Noether symmetry. Astrophysics and Space Science, 2016, 361, 1.	1.4	44
93	Beyond Einstein's General Relativity: Hybrid metric-Palatini gravity and curvature-matter couplings. International Journal of Modern Physics D, 2020, 29, 2030008.	2.0	44
94	Mass bounds for compact spherically symmetric objects in generalized gravity theories. Physical Review D, 2016, 94, .	4.8	42
95	Solar System tests of Horava-Lifshitz gravity. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2011, 467, 1390-1407.	2.1	41
96	Viscous dissipative Chaplygin gas dominated homogenous and isotropic cosmological models. Physical Review D, 2008, 77, .	4.8	40
97	Gravitational collapse of Bose-Einstein condensate dark matter halos. Physical Review D, 2014, 89, .	4.8	40
98	On Einstein clusters as galactic dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2007, 379, 393-398.	4.6	38
99	Two-fluid dark matter models. Physical Review D, 2011, 83, .	4.8	38
100	Wormhole geometries in Eddington-Inspired Born-Infeld gravity. Modern Physics Letters A, 2015, 30, 1550190.	1.2	37
101	Relativistic dissipative cosmological models and abel differential equation. Computers and Mathematics With Applications, 2003, 46, 849-853.	2.8	36
102	Cosmological evolution of finite temperature Bose-Einstein condensate dark matter. Physical Review D, 2012, 85, .	4.8	36
103	Dark matter density profile and galactic metric in Eddington-inspired Born-Infeld gravity. Modern Physics Letters A, 2014, 29, 1450049.	1.2	36
104	Classical tests of general relativity in brane world models. Classical and Quantum Gravity, 2010, 27, 185013.	4.0	35
105	Particle Creation in Cosmological Models with Varying Gravitational and Cosmological Constants. General Relativity and Gravitation, 1999, 31, 849-862.	2.1	34
106	Constraining chameleon field driven warm inflation with Planck 2018 data. European Physical Journal C, 2019, 79, 1.	4.0	33
107	High-Redshift Gamma-Ray Bursts: Observational Signatures of Superconducting Cosmic Strings?. Physical Review Letters, 2010, 104, 241102.	8.0	32
108	Condensate dark matter stars. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 001-001.	5.5	31

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109	Finite temperature effects in Bose-Einstein condensed dark matter halos. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 020-020.	5.5	31
110	CAUSAL BULK VISCOUS DISSIPATIVE ISOTROPIC COSMOLOGIES WITH VARIABLE GRAVITATIONAL AND COSMOLOGICAL CONSTANTS. International Journal of Modern Physics D, 2002, 11, 1265-1283.	2.0	30
111	A class of exact solutions of the LiÅ©nard-type ordinary nonlinear differential equation. Journal of Engineering Mathematics, 2014, 89, 193-205.	1.2	30
112	Kosambiâ€œCartanâ€œChern (KCC) theory for higher-order dynamical systems. International Journal of Geometric Methods in Modern Physics, 2016, 13, 1650014.	2.0	30
113	Slowly rotating Bose Einstein condensate galactic dark matter halos, and their rotation curves. European Physical Journal C, 2018, 78, 1.	4.0	30
114	Maximum mass and radius of strange stars in the linear approximation of the EOS. Astronomy and Astrophysics, 2002, 385, 947-950.	5.3	29
115	Viscous quarkâ€œgluon plasma in the early universe. Annalen Der Physik, 2011, 523, 194-207.	2.5	29
116	New method for generating general solution of Abel differential equation. Computers and Mathematics With Applications, 2002, 43, 91-94.	2.8	27
117	Solutions generating technique for Abel-type nonlinear ordinary differential equations. Computers and Mathematics With Applications, 2001, 41, 1395-1401.	2.8	26
118	Nucleation of Quark Matter in Neutron Star Cores. Astrophysical Journal, 2004, 608, 945-956.	4.7	26
119	Conformally symmetric vacuum solutions of the gravitational field equations in the brane-world models. Annals of Physics, 2005, 319, 471-492.	2.9	26
120	Cosmic strings in $f(R, L)$ gravity. European Physical Journal C, 2015, 75, 1.	4.0	26
121	Energy-dependent noncommutative quantum mechanics. European Physical Journal C, 2019, 79, 1.	4.0	26
122	Testing Boseâ€œEinstein condensate dark matter models with the SPARC galactic rotation curves data. European Physical Journal C, 2020, 80, 1.	4.0	26
123	Bianchi Type I Cosmological Models in Eddington-inspired Bornâ€œInfeld Gravity. Galaxies, 2014, 2, 496-519.	3.1	25
124	Non-minimal geometryâ€œmatter couplings in Weylâ€œCartan spaceâ€œtimes: $f(R, L)$ gravity. Physics of the Dark Universe, 2021, 34, 100886.	5.0	25
125	Exact travelling wave solutions of non-linear reaction-convection-diffusion equationsâ€œAn Abel equation based approach. Journal of Mathematical Physics, 2015, 56, .	1.2	24
126	Bose-Einstein condensate strings. Physical Review D, 2015, 91, .	4.8	24

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127	Spherically symmetric static vacuum solutions in hybrid metric-Palatini gravity. Physical Review D, 2019, 99, .	4.8	24
128	Relativistic compact objects in isotropic coordinates. Pramana - Journal of Physics, 2005, 65, 185-192.	1.8	23
129	Thin accretion disks around cold Bose-Einstein condensate stars. European Physical Journal C, 2015, 75, 1.	4.0	23
130	Dynamical behavior and Jacobi stability analysis of wound strings. European Physical Journal C, 2016, 76, 1.	4.0	23
131	Jeans instability and turbulent gravitational collapse of Bose-Einstein condensate dark matter halos. European Physical Journal C, 2019, 79, 1.	4.0	23
132	BULK VISCOUS BRANS-DICKE COSMOLOGICAL MODELS AND LATE-TIME ACCELERATION OF THE UNIVERSE. International Journal of Modern Physics D, 2003, 12, 925-939.	2.0	22
133	The minimum mass of a spherically symmetric object in D-dimensions, and its implications for the mass hierarchy problem. European Physical Journal C, 2015, 75, 1.	4.0	22
134	Cosmology of a Lorentz violating Galileon theory. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 022-022.	5.5	22
135	Hubble parameter in QCD Universe for finite bulk viscosity. Annalen Der Physik, 2010, 522, 912-923.	2.5	21
136	ZNF804A and social cognition in patients with schizophrenia and healthy controls. Molecular Psychiatry, 2012, 17, 118-119.	8.2	21
137	Could pressureless dark matter have pressure?. Astroparticle Physics, 2012, 35, 547-551.	4.4	21
138	Travelling wave solutions of the reaction-diffusion mathematical model of glioblastoma growth: An Abel equation based approach. Mathematical Biosciences and Engineering, 2015, 12, 41-69.	2.0	21
139	COULD THE COMPACT REMNANT OF SN 1987A BE A QUARK STAR?. Astrophysical Journal, 2009, 695, 732-746.	4.7	20
140	Inflation and late-time acceleration in braneworld cosmological models with varying brane tension. European Physical Journal C, 2010, 68, 241-253.	4.0	20
141	Cosmological anisotropy from non-comoving dark matter and dark energy. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 036-036.	5.5	20
142	New further integrability cases for the Riccati equation. Applied Mathematics and Computation, 2013, 219, 7465-7471.	2.3	20
143	Comment on "Reexamining $f(R)$ gravity" by T. J. ET Q. T. 1 0.784314 rgB	4.8	20
144	BIANCHI TYPE I UNIVERSES WITH CAUSAL BULK VISCOUS COSMOLOGICAL FLUID. International Journal of Modern Physics D, 2002, 11, 447-462.	2.0	19

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145	Photon Emissivity of the Electrosphere of Bare Strange Stars. <i>Astrophysical Journal</i> , 2005, 622, 1033-1043.	4.7	19
146	The minimum mass of a charged spherically symmetric object in D dimensions, its implications for fundamental particles, and holography. <i>European Physical Journal C</i> , 2016, 76, 1.	4.0	19
147	Cosmological models in modified gravity theories with extended nonminimal derivative couplings. <i>Physical Review D</i> , 2017, 95, .	4.8	19
148	Testing the Bose-Einstein Condensate dark matter model at galactic cluster scale. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 027-027.	5.5	18
149	Distinguishing Brans-Dicke Kerr type naked singularities and black holes with their thin disk electromagnetic radiation properties. <i>European Physical Journal C</i> , 2020, 80, 1.	4.0	18
150	Coupling matter and curvature in Weyl geometry: conformally invariant $\left(R, L_{\text{matter}} \right)$ gravity. <i>European Physical Journal C</i> , 2022, 82, 1.	4.0	18
151	QUINTESSENCE AND COSMIC ACCELERATION. <i>International Journal of Modern Physics D</i> , 2002, 11, 1389-1397.	2.0	17
152	BIANCHI TYPE I UNIVERSES WITH DILATON AND MAGNETIC FIELDS. <i>International Journal of Modern Physics D</i> , 2002, 11, 1171-1182.	2.0	17
153	New integrability case for the Riccati equation. <i>Applied Mathematics and Computation</i> , 2012, 218, 10974-10981.	2.3	17
154	Irreversible thermodynamical description of warm inflationary cosmological models. <i>Physics of the Dark Universe</i> , 2020, 28, 100521.	5.0	17
155	Gravitationally Induced Particle Production through a Nonminimal Torsion-Matter Coupling. <i>Universe</i> , 2021, 7, 227.	2.5	17
156	Gravitational, lensing, and stability properties of Bose-Einstein condensate dark matter halos. <i>Physical Review D</i> , 2015, 92, .	4.8	16
157	Vector dark energy models with quadratic terms in the Maxwell tensor derivatives. <i>European Physical Journal C</i> , 2017, 77, 1.	4.0	16
158	The Maxwell-Chern-Simons gravity, and its cosmological implications. <i>European Physical Journal C</i> , 2017, 77, 1.	4.0	16
159	The Einstein dark energy model. <i>Physics of the Dark Universe</i> , 2018, 21, 27-39.	5.0	16
160	Cosmological evolution and dark energy in osculating Barthel-Randers geometry. <i>European Physical Journal C</i> , 2021, 81, 1.	4.0	16
161	A Chiellini Type Integrability Condition for the Generalized First Kind Abel Differential Equation. <i>Universal Journal of Applied Mathematics</i> , 2013, 1, 101-104.	0.1	16
162	Dark matter as a Weyl geometric effect. <i>Physical Review D</i> , 2023, 107, .	4.8	16

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163	Irreversible Matter Creation in Inflationary Cosmology. <i>Astrophysics and Space Science</i> , 1997, 253, 161-175.	1.4	15
164	FULL CAUSAL DISSIPATIVE COSMOLOGIES WITH STIFF MATTER. <i>International Journal of Modern Physics D</i> , 2004, 13, 273-280.	2.0	15
165	Stochastic oscillations of general relativistic discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 421, 3102-3110.	4.6	15
166	Generalizing the coupling between geometry and matter: $\left(R_{,L_m,Tight} \right)$ gravity. <i>European Physical Journal C</i> , 2021, 81, 1.	4.0	15
167	Reheating the Universe in braneworld cosmological models with bulk brane energy transfer. <i>Journal of Cosmology and Astroparticle Physics</i> , 2008, 2008, 002.	5.5	14
168	Exact solutions of the LiÅ©nard- and generalized LiÅ©nard-type ordinary nonlinear differential equations obtained by deforming the phase space coordinates of the linear harmonic oscillator. <i>Journal of Engineering Mathematics</i> , 2016, 98, 93-111.	1.2	14
169	Generalized Langevin equation with colored noise description of the stochastic oscillations of accretion disks. <i>European Physical Journal C</i> , 2014, 74, 1.	4.0	13
170	Mass-radius ratio bounds for compact objects in Lorentz-violating dRGT massive gravity theory. <i>European Physical Journal C</i> , 2018, 78, 1.	4.0	13
171	IS DARK MATTER AN EXTRA-DIMENSIONAL EFFECT?. <i>Modern Physics Letters A</i> , 2009, 24, 667-682.	1.2	12
172	The nature of Z_b states from a combined analysis of $\Upsilon(5S) \rightarrow h_b(mP) \pi^+ \pi^-$ and $\Upsilon(5S) \rightarrow B^{(*)} \bar{B}^{(*)} \pi^+ \pi^-$. <i>European Physical Journal C</i> , 2016, 76, 1.		12
173	Cosmic stringlike objects in hybrid metric-Palatini gravity. <i>Physical Review D</i> , 2020, 101, .	4.8	12
174	Curvature-matter couplings in modified gravity: From linear models to conformally invariant theories. <i>International Journal of Modern Physics D</i> , 2022, 31, .	2.0	12
175	DECELERATING CAUSAL BULK VISCOUS COSMOLOGICAL MODELS. <i>International Journal of Modern Physics D</i> , 2000, 09, 97-110.	2.0	11
176	Modelling the IDV Emissions of the BL Lac Objects with a Langevin Type Stochastic Differential Equation. <i>Journal of Astrophysics and Astronomy</i> , 2011, 32, 189-192.	1.0	11
177	Exact scalar-tensor cosmological models. <i>International Journal of Modern Physics D</i> , 2017, 26, 1750073.	2.0	11
178	Dark energy and accelerating cosmological evolution from osculating Barthel-Kropina geometry. <i>European Physical Journal C</i> , 2022, 82, 1.	4.0	11
179	Gravitationally induced particle production in scalar-tensor $f(R, T)$ models. <i>International Journal of Modern Physics D</i> , 2017, 26, 1750073.	4.8	11
180	Wormhole geometries supported by quark matter at ultra-high densities. <i>International Journal of Modern Physics D</i> , 2015, 24, 1550006.	2.0	10

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181	Jacobi Stability Analysis of Scalar Field Models with Minimal Coupling to Gravity in a Cosmological Background. <i>Advances in High Energy Physics</i> , 2016, 2016, 1-26.	1.1	10
182	Finslerian geometrization of quantum mechanics in the hydrodynamical representation. <i>Physical Review D</i> , 2019, 100, .	4.8	10
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