

Tiberiu Harko

List of Publications by Year in descending order

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244
papers

14,653
citations

19655

61
h-index

21539

114
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258
all docs

258
docs citations

258
times ranked

2991
citing authors

#	ARTICLE	IF	CITATIONS
1	$f(R, L, m)$ gravity. <i>Physical Review D</i> , 2007, 75, .	4.7	1767
2	Extra force $f(R)$ modified theories of gravity. <i>Physical Review D</i> , 2007, 75, .	4.7	684
3	Anisotropic stars in general relativity. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2003, 459, 393-408.	2.1	384
4	Can dark matter be a Bose-Einstein condensate?. <i>Journal of Cosmology and Astroparticle Physics</i> , 2007, 2007, 025-025.	5.4	346
5	$f(R, L, m)$ gravity. <i>European Physical Journal C</i> , 2010, 70, 373-379.	3.9	329
6	Exact analytical solutions of the Susceptible-Infected-Recovered (SIR) epidemic model and of the SIR model with equal death and birth rates. <i>Applied Mathematics and Computation</i> , 2014, 236, 184-194.	2.2	322
7	Further matters in space-time geometry: $f(R, L, m)$ gravity. <i>Physical Review D</i> , 2010, 82, 044017.	4.7	265
8	Bounds on the basic physical parameters for anisotropic compact general relativistic objects. <i>Classical and Quantum Gravity</i> , 2006, 23, 6479-6491.	4.0	253
9	Modified-gravity wormholes without exotic matter. <i>Physical Review D</i> , 2013, 87, .	4.7	250
10	QUARK STARS ADMITTING A ONE-PARAMETER GROUP OF CONFORMAL MOTIONS. <i>International Journal of Modern Physics D</i> , 2004, 13, 149-156.	2.1	230
11	Modified gravity with arbitrary coupling between matter and geometry. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 669, 376-379.	4.1	211
12	Generalized Curvature-Matter Couplings in Modified Gravity. <i>Galaxies</i> , 2014, 2, 410-465.	3.0	208
13	Thermodynamic interpretation of the generalized gravity models with geometry-matter coupling. <i>Physical Review D</i> , 2014, 90, .	4.7	203
14	$f(R, L, m)$ gravity and cosmology. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 021-021.	5.4	194
15	Wormhole geometries in modified teleparallel gravity and the energy conditions. <i>Physical Review D</i> , 2012, 85, .	4.7	193
16	Dark matter as a geometric effect in $f(R)$ gravity. <i>Astroparticle Physics</i> , 2008, 29, 386-392.	4.3	186
17	Bose-Einstein condensate general relativistic stars. <i>Physical Review D</i> , 2012, 86, .	4.7	181
18	Metric-Palatini gravity unifying local constraints and late-time cosmic acceleration. <i>Physical Review D</i> , 2012, 85, .	4.7	172

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19	Thin accretion disks in stationary axisymmetric wormhole spacetimes. <i>Physical Review D</i> , 2009, 79, .	4.7	165
20	Coupling matter in modified Q gravity. <i>Physical Review D</i> , 2018, 98, .	4.7	164
21	$f(Q, \hat{A})$ gravity. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	156
22	Wormholes supported by hybrid metric-Palatini gravity. <i>Physical Review D</i> , 2012, 86, .	4.7	155
23	Nonminimal torsion-matter coupling extension of f gravity. <i>Physical Review D</i> , 2011, 83, 044004.	4.7	154
24	An Exact Anisotropic Quark Star Model. <i>Research in Astronomy and Astrophysics</i> , 2002, 2, 248-259.	1.1	151
25	Hybrid Metric-Palatini Gravity. <i>Universe</i> , 2015, 1, 199-238.	2.5	147
26	Evolution of cosmological perturbations in Bose-Einstein condensate dark matter. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 413, 3095-3104.	4.4	142
27	Can the galactic rotation curves be explained in brane world models?. <i>Physical Review D</i> , 2004, 70, .	4.7	134
28	Minimum mass-radius ratio for charged gravitational objects. <i>General Relativity and Gravitation</i> , 2007, 39, 757-775.	2.0	129
29	Electromagnetic signatures of thin accretion disks in wormhole geometries. <i>Physical Review D</i> , 2008, 78, .	4.7	119
30	Thin accretion disks in f gravity. <i>Physical Review D</i> , 2011, 83, 044004.	4.7	117
31	Bose-Einstein condensation of dark matter solves the core/cusp problem. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 022-022.	5.4	116
32	Palatini formulation of $f(R, \hat{A})$ gravity theory, and its cosmological implications. <i>European Physical Journal C</i> , 2018, 78, 1.	3.9	115
33	Gravitational induced particle production through a nonminimal curvature-matter coupling. <i>European Physical Journal C</i> , 2015, 75, 1.	3.9	114
34	Can accretion disk properties observationally distinguish black holes from naked singularities?. <i>Physical Review D</i> , 2010, 82, .	4.7	112
35	Can accretion disk properties distinguish gravastars from black holes?. <i>Classical and Quantum Gravity</i> , 2009, 26, 215006.	4.0	111
36	Dark energy as a massive vector field. <i>European Physical Journal C</i> , 2007, 50, 423-429.	3.9	108

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37	Testing Ho ^Λ -Lifshitz gravity using thin accretion disk properties. <i>Physical Review D</i> , 2009, 80, .	4.7	106
38	The generalized virial theorem in $f(R)$ gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2008, 2008, 024.	5.4	105
39	PALATINI FORMULATION OF MODIFIED GRAVITY WITH A NON-MINIMAL CURVATURE-MATTER COUPLING. <i>Modern Physics Letters A</i> , 2011, 26, 1467-1480.	1.2	103
40	Extended $f(R)$ gravity with a non-minimal curvature-matter coupling. <i>Physical Review D</i> , 2013, 87, .	4.7	97
41	Thin accretion disk signatures in dynamical Chern-Simons-modified gravity. <i>Classical and Quantum Gravity</i> , 2010, 27, 105010.	4.0	91
42	Thin accretion disks onto brane world black holes. <i>Physical Review D</i> , 2008, 78, .	4.7	90
43	HYBRID MODIFIED GRAVITY UNIFYING LOCAL TESTS, GALACTIC DYNAMICS AND LATE-TIME COSMIC ACCELERATION. <i>International Journal of Modern Physics D</i> , 2013, 22, 1342006.	2.1	90
44	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
45	Cosmology of hybrid metric-Palatini $f(X)$ -gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 011-011.	5.4	89
46	Structure of neutron, quark, and exotic stars in Eddington-inspired Born-Infeld gravity. <i>Physical Review D</i> , 2013, 88, .	4.7	87
47	Maximum mass-radius ratios for charged compact general relativistic objects. <i>Europhysics Letters</i> , 2001, 55, 310-316.	2.0	82
48	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, .	4.7	81
49	New derivation of the Lagrangian of a perfect fluid with a barotropic equation of state. <i>Physical Review D</i> , 2012, 86, .	4.7	81
50	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.	5.4	81
51	Virial theorem and the dynamics of clusters of galaxies in the brane world models. <i>Physical Review D</i> , 2007, 76, .	4.7	79
52	Arbitrary scalar-field and quintessence cosmological models. <i>European Physical Journal C</i> , 2014, 74, 1.	3.9	79
53	Vacuum solutions of the gravitational field equations in the brane world model. <i>Physical Review D</i> , 2004, 69, .	4.7	78
54	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	78

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55	Galactic rotation curves in hybrid metric-Palatini gravity. <i>Astroparticle Physics</i> , 2013, 50-52, 65-75.	4.3	77
56	Collapsing strange quark matter in Vaidya geometry. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000, 266, 249-253.	2.1	75
57	Anisotropic relativistic stellar models. <i>Annalen Der Physik</i> , 2002, 11, 3.	2.4	74
58	Geodesic deviation, Raychaudhuri equation, and tidal forces in modified gravity with an arbitrary curvature-matter coupling. <i>Physical Review D</i> , 2012, 86, .	4.7	68
59	Cosmological dynamics of dark matter Bose-Einstein condensation. <i>Physical Review D</i> , 2011, 83, .	4.7	67
60	Particle creation in varying speed of light cosmological models. <i>Classical and Quantum Gravity</i> , 1999, 16, 2741-2752.	4.0	64
61	Irreversible thermodynamic description of interacting dark energy-dark matter cosmological models. <i>Physical Review D</i> , 2013, 87, .	4.7	64
62	Physics of Dark Energy Particles. <i>Foundations of Physics</i> , 2008, 38, 216-227.	1.3	62
63	Weyl-Cartan-Weitzenböck gravity as a generalization of teleparallel gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012, 2012, 061-061.	5.4	62
64	EXACT MODELS FOR ANISOTROPIC RELATIVISTIC STARS. <i>International Journal of Modern Physics D</i> , 2002, 11, 207-221.	2.1	61
65	Thin accretion disk signatures of slowly rotating black holes in Hořava gravity. <i>Classical and Quantum Gravity</i> , 2011, 28, 165001.	4.0	61
66	Quantum Cosmology of $f(R, \hat{\mathcal{A}})$ gravity. <i>European Physical Journal C</i> , 2016, 76, 1.	3.9	61
67	Thin accretion discs around neutron and quark stars. <i>Astronomy and Astrophysics</i> , 2009, 500, 621-631.	5.1	59
68	Cosmological implications of modified gravity induced by quantum metric fluctuations. <i>European Physical Journal C</i> , 2016, 76, 1.	3.9	59
69	Galactic Metric, Dark Radiation, Dark Pressure, and Gravitational Lensing in Brane World Models. <i>Astrophysical Journal</i> , 2006, 636, 8-20.	4.5	58
70	Weyl type $f(Q, \hat{\mathcal{A}})$ gravity, and its cosmological implications. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	58
71	Solar system tests of brane world models. <i>Classical and Quantum Gravity</i> , 2008, 25, 045015.	4.0	57
72	Cosmological particle production in five-dimensional Kaluza-Klein theory. <i>Classical and Quantum Gravity</i> , 1999, 16, 4085-4099.	4.0	54

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73	Anisotropic charged fluid spheres in D space-time dimensions. Journal of Mathematical Physics, 2000, 41, 4752-4764.	1.1	54
74	Hybrid metric-Palatini stars. Physical Review D, 2017, 95, .	4.7	54
75	Structure of the Electrospheres of Bare Strange Stars. Astrophysical Journal, 2005, 620, 915-921.	4.5	53
76	Can stellar mass black holes be quark stars?. Monthly Notices of the Royal Astronomical Society, 2009, 400, 1632-1642.	4.4	52
77	Isotropic stars in general relativity. European Physical Journal C, 2013, 73, 1.	3.9	52
78	Gravitational collapse of a Hagedorn fluid in Vaidya geometry. Physical Review D, 2003, 68, .	4.7	51
79	Does the cosmological constant imply the existence of a minimum mass?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 630, 73-77.	4.1	51
80	Geodesic deviation, Raychaudhuri equation, Newtonian limit, and tidal forces in Weyl-type $f(Q, \hat{\Delta})$ gravity. European Physical Journal C, 2021, 81, 1.	3.9	50
81	Null fluid collapse in brane world models. Physical Review D, 2014, 89, .	4.7	49
82	The Cauchy problem in hybrid metric-Palatini $f(X)$ -gravity. International Journal of Geometric Methods in Modern Physics, 2014, 11, 1450042.	2.0	49
83	Jacobi stability analysis of the Lorenz system. International Journal of Geometric Methods in Modern Physics, 2015, 12, 1550081.	2.0	48
84	Anisotropy in Bianchi-type brane cosmologies. Classical and Quantum Gravity, 2004, 21, 1489-1503.	4.0	46
85	Bianchi type I cosmologies in arbitrary dimensional dilaton gravities. Physical Review D, 2000, 62, .	4.7	45
86	GENERALIZED DARK GRAVITY. International Journal of Modern Physics D, 2012, 21, 1242019.	2.1	45
87	Quark-hadron phase transitions in the viscous early universe. Physical Review D, 2012, 85, .	4.7	45
88	Matter may matter. International Journal of Modern Physics D, 2014, 23, 1442016.	2.1	44
89	Exact power series solutions of the structure equations of the general relativistic isotropic fluid stars with linear barotropic and polytropic equations of state. Astrophysics and Space Science, 2016, 361, 1.	1.4	44
90	Jacobi stability of the vacuum in the static spherically symmetric brane world models. Physical Review D, 2008, 77, .	4.7	43

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91	Exact scalar-tensor cosmological solutions via Noether symmetry. <i>Astrophysics and Space Science</i> , 2016, 361, 1.	1.4	43
92	Beyond Einstein's General Relativity: Hybrid metric-Palatini gravity and curvature-matter couplings. <i>International Journal of Modern Physics D</i> , 2020, 29, 2030008.	2.1	43
93	Mass bounds for compact spherically symmetric objects in generalized gravity theories. <i>Physical Review D</i> , 2016, 94, .	4.7	42
94	Nonlinear Stability Analysis of the Emden-Fowler Equation. <i>Journal of Nonlinear Mathematical Physics</i> , 2010, 17, 503.	1.3	41
95	Solar System tests of Horava-Lifshitz gravity. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2011, 467, 1390-1407.	2.1	40
96	Weyl-Cartan-Weitzenböck gravity through Lagrange multiplier. <i>Physical Review D</i> , 2013, 88, .	4.7	40
97	Viscous dissipative Chaplygin gas dominated homogenous and isotropic cosmological models. <i>Physical Review D</i> , 2008, 77, .	4.7	39
98	Gravitational collapse of Bose-Einstein condensate dark matter halos. <i>Physical Review D</i> , 2014, 89, .	4.7	39
99	On Einstein clusters as galactic dark matter haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 379, 393-398.	4.4	37
100	Relativistic dissipative cosmological models and abel differential equation. <i>Computers and Mathematics With Applications</i> , 2003, 46, 849-853.	2.7	36
101	Two-fluid dark matter models. <i>Physical Review D</i> , 2011, 83, .	4.7	36
102	Cosmological evolution of finite temperature Bose-Einstein condensate dark matter. <i>Physical Review D</i> , 2012, 85, .	4.7	36
103	Dark matter density profile and galactic metric in Eddington-inspired Born-Infeld gravity. <i>Modern Physics Letters A</i> , 2014, 29, 1450049.	1.2	36
104	Wormhole geometries in Eddington-Inspired Born-Infeld gravity. <i>Modern Physics Letters A</i> , 2015, 30, 1550190.	1.2	36
105	Classical tests of general relativity in brane world models. <i>Classical and Quantum Gravity</i> , 2010, 27, 185013.	4.0	34
106	Particle Creation in Cosmological Models with Varying Gravitational and Cosmological Constants. <i>General Relativity and Gravitation</i> , 1999, 31, 849-862.	2.0	33
107	Constraining chameleon field driven warm inflation with Planck 2018 data. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	32
108	High-Redshift Gamma-Ray Bursts: Observational Signatures of Superconducting Cosmic Strings?. <i>Physical Review Letters</i> , 2010, 104, 241102.	7.8	31

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109	Condensate dark matter stars. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012, 2012, 001-001.	5.4	31
110	Finite temperature effects in Bose-Einstein condensed dark matter halos. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012, 2012, 020-020.	5.4	31
111	CAUSAL BULK VISCOLIS DISSIPATIVE ISOTROPIC COSMOLOGIES WITH VARIABLE GRAVITATIONAL AND COSMOLOGICAL CONSTANTS. <i>International Journal of Modern Physics D</i> , 2002, 11, 1265-1283.	2.1	30
112	A class of exact solutions of the LiÅ©nard-type ordinary nonlinear differential equation. <i>Journal of Engineering Mathematics</i> , 2014, 89, 193-205.	1.2	30
113	Maximum mass and radius of strange stars in the linear approximation of the EOS. <i>Astronomy and Astrophysics</i> , 2002, 385, 947-950.	5.1	29
114	Slowly rotating Bose Einstein condensate galactic dark matter halos, and their rotation curves. <i>European Physical Journal C</i> , 2018, 78, 1.	3.9	28
115	New method for generating general solution of Abel differential equation. <i>Computers and Mathematics With Applications</i> , 2002, 43, 91-94.	2.7	27
116	Kosambiâ€œCartanâ€œChern (KCC) theory for higher-order dynamical systems. <i>International Journal of Geometric Methods in Modern Physics</i> , 2016, 13, 1650014.	2.0	27
117	Conformally symmetric vacuum solutions of the gravitational field equations in the brane-world models. <i>Annals of Physics</i> , 2005, 319, 471-492.	2.8	26
118	Viscous quarkâ€œgluon plasma in the early universe. <i>Annalen Der Physik</i> , 2011, 523, 194-207.	2.4	26
119	Solutions generating technique for Abel-type nonlinear ordinary differential equations. <i>Computers and Mathematics With Applications</i> , 2001, 41, 1395-1401.	2.7	25
120	Nucleation of Quark Matter in Neutron Star Cores. <i>Astrophysical Journal</i> , 2004, 608, 945-956.	4.5	25
121	Bianchi Type I Cosmological Models in Eddington-inspired Bornâ€œInfeld Gravity. <i>Galaxies</i> , 2014, 2, 496-519.	3.0	25
122	Exact travelling wave solutions of non-linear reaction-convection-diffusion equationsâ€œAn Abel equation based approach. <i>Journal of Mathematical Physics</i> , 2015, 56, .	1.1	24
123	Cosmic strings in R_L gravity. <i>European Physical Journal C</i> , 2015, 75, 1.	3.9	24
124	Testing Boseâ€œEinstein condensate dark matter models with the SPARC galactic rotation curves data. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	24
125	Cosmological Particle Production and Causal Thermodynamics. <i>Australian Journal of Physics</i> , 1999, 52, 659.	0.6	23
126	Thin accretion disks around cold Boseâ€œEinstein condensate stars. <i>European Physical Journal C</i> , 2015, 75, 1.	3.9	23

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127	Spherically symmetric static vacuum solutions in hybrid metric-Palatini gravity. Physical Review D, 2019, 99, .	4.7	23
128	Relativistic compact objects in isotropic coordinates. Pramana - Journal of Physics, 2005, 65, 185-192.	1.8	22
129	Cosmology of a Lorentz violating Galileon theory. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 022-022.	5.4	22
130	Jeans instability and turbulent gravitational collapse of Bose-Einstein condensate dark matter halos. European Physical Journal C, 2019, 79, 1.	3.9	22
131	Non-minimal geometry-matter couplings in Weyl-Cartan space-times: $f(R)$ gravity. Physics of the Dark Universe. 2021, 34, 100886.	4.9	22
132	BULK VISCOUS BRANS-DICKE COSMOLOGICAL MODELS AND LATE-TIME ACCELERATION OF THE UNIVERSE. International Journal of Modern Physics D, 2003, 12, 925-939.	2.1	21
133	Could pressureless dark matter have pressure?. Astroparticle Physics, 2012, 35, 547-551.	4.3	21
134	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.	3.9	21
135	Bose-Einstein condensate strings. Physical Review D, 2015, 91, .	4.7	21
136	Inflation and late-time acceleration in braneworld cosmological models with varying brane tension. European Physical Journal C, 2010, 68, 241-253.	3.9	20
137	Hubble parameter in QCD Universe for finite bulk viscosity. Annalen Der Physik, 2010, 522, 912-923.	2.4	20
138	New further integrability cases for the Riccati equation. Applied Mathematics and Computation, 2013, 219, 7465-7471.	2.2	20
139	Dynamical behavior and Jacobi stability analysis of wound strings. European Physical Journal C, 2016, 76, 1.	3.9	20
140	Energy-dependent noncommutative quantum mechanics. European Physical Journal C, 2019, 79, 1.	3.9	20
141	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.	1.9	20
142	BIANCHI TYPE I UNIVERSES WITH CAUSAL BULK VISCOUS COSMOLOGICAL FLUID. International Journal of Modern Physics D, 2002, 11, 447-462.	2.1	19
143	Photon Emissivity of the Electrosphere of Bare Strange Stars. Astrophysical Journal, 2005, 622, 1033-1043.	4.5	19
144	COULD THE COMPACT REMNANT OF SN 1987A BE A QUARK STAR?. Astrophysical Journal, 2009, 695, 732-746.	4.5	19

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145	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.	3.9	18
146	Cosmological models in modified gravity theories with extended nonminimal derivative couplings. <i>Physical Review D</i> , 2017, 95, .	4.7	18
147	Comment on "Reexamining $f(R)$ gravity" by T. J. ETQqT 1 0.784314 rgB	4.7	18
148	BIANCHI TYPE I UNIVERSES WITH DILATON AND MAGNETIC FIELDS. <i>International Journal of Modern Physics D</i> , 2002, 11, 1171-1182.	2.1	17
149	New integrability case for the Riccati equation. <i>Applied Mathematics and Computation</i> , 2012, 218, 10974-10981.	2.2	17
150	Cosmological anisotropy from non-comoving dark matter and dark energy. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 036-036.	5.4	17
151	Testing the Bose-Einstein Condensate dark matter model at galactic cluster scale. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 027-027.	5.4	17
152	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.	3.9	17
153	QUINTESSENCE AND COSMIC ACCELERATION. <i>International Journal of Modern Physics D</i> , 2002, 11, 1389-1397.	2.1	16
154	Vector dark energy models with quadratic terms in the Maxwell tensor derivatives. <i>European Physical Journal C</i> , 2017, 77, 1.	3.9	16
155	The Einstein dark energy model. <i>Physics of the Dark Universe</i> , 2018, 21, 27-39.	4.9	16
156	Gravitationally Induced Particle Production through a Nonminimal Torsion-Matter Coupling. <i>Universe</i> , 2021, 7, 227.	2.5	16
157	A Chiellini Type Integrability Condition for the Generalized First Kind Abel Differential Equation. <i>Universal Journal of Applied Mathematics</i> , 2013, 1, 101-104.	0.2	16
158	Irreversible Matter Creation in Inflationary Cosmology. <i>Astrophysics and Space Science</i> , 1997, 253, 161-175.	1.4	15
159	FULL CAUSAL DISSIPATIVE COSMOLOGIES WITH STIFF MATTER. <i>International Journal of Modern Physics D</i> , 2004, 13, 273-280.	2.1	15
160	Stochastic oscillations of general relativistic discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 421, 3102-3110.	4.4	15
161	The Maxwell-Chern-Simons gravity, and its cosmological implications. <i>European Physical Journal C</i> , 2017, 77, 1.	3.9	15
162	Irreversible thermodynamical description of warm inflationary cosmological models. <i>Physics of the Dark Universe</i> , 2020, 28, 100521.	4.9	15

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163	Gravitational, lensing, and stability properties of Bose-Einstein condensate dark matter halos. <i>Physical Review D</i> , 2015, 92, .	4.7	14
164	Cosmological evolution and dark energy in osculating Barthelâ€“Randers geometry. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	14
165	Reheating the Universe in braneworld cosmological models with bulkâ€“brane energy transfer. <i>Journal of Cosmology and Astroparticle Physics</i> , 2008, 2008, 002.	5.4	13
166	Generalized Langevin equation with colored noise description of the stochastic oscillations of accretion disks. <i>European Physical Journal C</i> , 2014, 74, 1.	3.9	13
167	Mass-radius ratio bounds for compact objects in Lorentz-violating dRGT massive gravity theory. <i>European Physical Journal C</i> , 2018, 78, 1.	3.9	13
168	Coupling matter and curvature in Weyl geometry: conformally invariant $f(R, L_{\text{matter}})$ gravity. <i>European Physical Journal C</i> , 2022, 82, 1.	3.9	13
169	IS DARK MATTER AN EXTRA-DIMENSIONAL EFFECT?. <i>Modern Physics Letters A</i> , 2009, 24, 667-682.	1.2	12
170	Exact solutions of the LiÃ©nard- and generalized LiÃ©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	12
171	Cosmic stringlike objects in hybrid metric-Palatini gravity. <i>Physical Review D</i> , 2020, 101, .	4.7	12
172	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
173	Exact scalarâ€“tensor cosmological models. <i>International Journal of Modern Physics D</i> , 2017, 26, 1750073.	2.1	11
174	Wormhole geometries supported by quark matter at ultra-high densities. <i>International Journal of Modern Physics D</i> , 2015, 24, 1550006.	2.1	9
175	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	9
176	Generalizing the coupling between geometry and matter: $f(R, L_{\text{matter}})$ gravity. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	9
177	Curvatureâ€“matter couplings in modified gravity: From linear models to conformally invariant theories. <i>International Journal of Modern Physics D</i> , 2022, 31, .	2.1	9
178	QUANTUM COSMOLOGY WITH A NONLINEAR BORNâ€“INFELD TYPE SCALAR FIELD. <i>International Journal of Modern Physics D</i> , 1999, 08, 625-634.	2.1	8
179	DECCELERATING CAUSAL BULK VISCOUS COSMOLOGICAL MODELS. <i>International Journal of Modern Physics D</i> , 2000, 09, 97-110.	2.1	8
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