

Tiberiu Harko

List of Publications by Year in descending order

Source: [//exaly.com/author-pdf/3348893/publications.pdf](https://exaly.com/author-pdf/3348893/publications.pdf)

Version: 2024-02-01

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	From the Weyl-Schrödinger connection to the accelerating Universe: Extending Einstein's gravity via a length preserving nonmetricity. <i>Physical Review D</i> , 2024, 109, .	4.8	1
2	Testing Weyl geometric gravity with the SPARC galactic rotation curves database. <i>Physics of the Dark Universe</i> , 2024, 43, 101423.	5.0	2
3	The first variation of the matter energy-momentum tensor with respect to the metric, and its implications on modified gravity theories. <i>Physics of the Dark Universe</i> , 2024, 44, 101448.	5.0	3
4	Weyl geometric effects on the propagation of light in gravitational fields. <i>Physical Review D</i> , 2024, 109, .	4.8	0
5	Gravitationally induced matter creation in scalar-tensor $f(R)$ gravity. <i>Physics of the Dark Universe</i> , 2024, 44, 101463.	5.0	0
6	Energy-Momentum Squared Gravity: A Brief Overview. <i>Universe</i> , 2024, 10, 339.	2.5	0
7	Thermodynamics of the Weyl geometric gravity black holes. <i>Physical Review D</i> , 2024, 110, .	4.8	0
8	Jacobi and Lyapunov Stability Analysis of Circular Geodesics around a Spherically Symmetric Dilaton Black Hole. <i>Symmetry</i> , 2023, 15, 329.	2.3	5
9	Dark matter as a Weyl geometric effect. <i>Physical Review D</i> , 2023, 107, .	4.8	16
10	Compact stellar structures in Weyl geometric gravity. <i>Physical Review D</i> , 2023, 107, .	4.8	8
11	Dissipative quintessence and its cosmological implications. <i>Physical Review D</i> , 2023, 107, .	4.8	3
12	Irreversible Geometrothermodynamics of Open Systems in Modified Gravity. <i>Entropy</i> , 2023, 25, 944.	2.3	1
13	New Advances in Quantum Geometry. <i>Physics</i> , 2023, 5, 688-689.	1.4	1
14	Compact stars in the Einstein dark energy model. <i>Physical Review D</i> , 2022, 105, .	4.8	4
15	Coupling matter and curvature in Weyl geometry: conformally invariant $f(R, L_{\text{matter}})$ gravity. <i>European Physical Journal C</i> , 2022, 82, 1.	4.0	18
16	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
17	Dark energy and accelerating cosmological evolution from osculating Barthel-Kropina geometry. <i>European Physical Journal C</i> , 2022, 82, 1.	4.0	11
18	Bose-Einstein Condensate dark matter models in the presence of baryonic matter and random confining potentials. <i>European Physical Journal C</i> , 2022, 82, .	4.0	4

#	ARTICLE	IF	CITATIONS
19	Novel couplings between nonmetricity and matter. , 2022, , .		0
20	Gravitationally induced particle production in scalar-tensor $f(R, T)$ gravity. <i>Physics of the Dark Universe</i> , 2021, 31, 100756.	4.8	11
21	Black hole solutions in modified gravity induced by quantum metric fluctuations. <i>Physics of the Dark Universe</i> , 2021, 31, 100756.	5.0	3
22	Warm inflation with non-comoving scalar field and radiation fluid. <i>European Physical Journal C</i> , 2021, 81, 1.	4.0	7
23	Geodesic deviation, Raychaudhuri equation, Newtonian limit, and tidal forces in Weyl-type $f(Q, \hat{\Delta})$ gravity. <i>European Physical Journal C</i> , 2021, 81, 1.	4.0	57
24	Static spherically symmetric three-form stars. <i>European Physical Journal C</i> , 2021, 81, 1.	4.0	8
25	Generalizing the coupling between geometry and matter: $f(R, L_m, T)$ gravity. <i>European Physical Journal C</i> , 2021, 81, 1.	4.0	15
26	Gravitationally Induced Particle Production through a Nonminimal Torsion-Matter Coupling. <i>Physics of the Dark Universe</i> , 2021, 7, 227.	2.5	17
27	Cosmological evolution and dark energy in osculating Barthel-Randers geometry. <i>European Physical Journal C</i> , 2021, 81, 1.	4.0	16
28	Effects of Quantum Metric Fluctuations on the Cosmological Evolution in Friedmann-Lemaître-Robertson-Walker Geometries. <i>Physics</i> , 2021, 3, 689-714.	1.4	6
29	Non-minimal geometry-matter couplings in Weyl-Cartan space-times: $f(R, T)$ gravity. <i>Physics of the Dark Universe</i> , 2021, 34, 100886.	5.0	25
30	The effects of the dark energy on the static Schrödinger-Newton system: An Adomian Decomposition Method and Padé approximants based approach. <i>Modern Physics Letters A</i> , 2021, 36, 2150038.	1.2	4
31	Cosmic strings in generalized hybrid metric-Palatini gravity. <i>Physical Review D</i> , 2021, 104, .	4.8	2
32	Beyond Einstein's General Relativity: Hybrid metric-Palatini gravity and curvature-matter couplings. <i>International Journal of Modern Physics D</i> , 2020, 29, 2030008.	2.0	44
33	Weyl type $f(Q, \hat{\Delta})$ gravity, and its cosmological implications. <i>European Physical Journal C</i> , 2020, 80, 1.	4.0	80
34	Comment on "Reexamining $f(R, T)$ gravity". <i>Physics of the Dark Universe</i> , 2021, 34, 100886.	4.8	20
35	Cosmic stringlike objects in hybrid metric-Palatini gravity. <i>Physical Review D</i> , 2020, 101, .	4.8	12
36	Black hole and naked singularity geometries supported by three-form fields. <i>European Physical Journal C</i> , 2020, 80, 1.	4.0	6

#	ARTICLE	IF	CITATIONS
37	Irreversible thermodynamical description of warm inflationary cosmological models. Physics of the Dark Universe, 2020, 28, 100521.	5.0	17
38	Distinguishing Brans–Dicke–Kerr type naked singularities and black holes with their thin disk electromagnetic radiation properties. European Physical Journal C, 2020, 80, 1.	4.0	18
39	Testing Bose–Einstein condensate dark matter models with the SPARC galactic rotation curves data. European Physical Journal C, 2020, 80, 1.	4.0	26
40	$f(Q, \hat{\Delta})$ gravity. European Physical Journal C, 2019, 79, 1.	4.0	206
41	Jeans instability and turbulent gravitational collapse of Bose–Einstein condensate dark matter halos. European Physical Journal C, 2019, 79, 1.	4.0	23
42	Spherically symmetric static vacuum solutions in hybrid metric-Palatini gravity. Physical Review D, 2019, 99, .	4.8	24
43	Energy-dependent noncommutative quantum mechanics. European Physical Journal C, 2019, 79, 1.	4.0	26
44	Constraining chameleon field driven warm inflation with Planck 2018 data. European Physical Journal C, 2019, 79, 1.	4.0	33
45	Finslerian geometrization of quantum mechanics in the hydrodynamical representation. Physical Review D, 2019, 100, .	4.8	10
46	On the Integrability of the Abel and of the Extended LiÅ©nard Equations. Acta Mathematicae Applicatae Sinica, 2019, 35, 722-736.	0.7	1
47	Towards an Observable Test of Noncommutative Quantum Mechanics. Ukrainian Journal of Physics, 2019, 64, 983.	0.2	4
48	Does space-time torsion determine the minimum mass of gravitating particles?. European Physical Journal C, 2018, 78, 253.	4.0	7
49	Mass-radius ratio bounds for compact objects in Lorentz-violating dRGT massive gravity theory. European Physical Journal C, 2018, 78, 1.	4.0	13
50	Review of General Relativity. , 2018, , 1-2.		0
51	The Mathematical Foundations. , 2018, , 11-36.		0
52	The Gravitational Field Equations. , 2018, , 37-54.		0
53	The Solar System Tests and Astrophysical Applications. , 2018, , 55-100.		0
54	$f(R)$ Gravity. , 2018, , 138-176.		0

#	ARTICLE	IF	CITATIONS
55	Generalized Curvature-Matter Couplings in Modified Gravity. , 2018, , 177-178.		1
56	Gravity Theories with Linear Curvature-Matter Coupling. , 2018, , 186-203.		0
57	$f(R, L_m)$ Gravity. , 2018, , 204-218.		0
58	$f(R, T)$ Gravity. , 2018, , 219-230.		0
59	Dark Matter as a Curvature-Matter Coupling Effect. , 2018, , 231-240.		0
60	Thermodynamical Interpretation of Curvature-Matter Coupling. , 2018, , 241-264.		0
61	Quantum Cosmology of $f(R, T)$ Gravity. , 2018, , 265-295.		0
62	Modified Gravity from Quantum Metric Fluctuations. , 2018, , 296-332.		0
63	Hybrid Metric-Palatini Gravity. , 2018, , 337-338.		0
64	The General Formalism. , 2018, , 342-358.		0
65	Cosmological Applications. , 2018, , 359-367.		0
66	Astrophysical Applications. , 2018, , 368-382.		0
67	Compact Stellar Objects. , 2018, , 383-409.		0
68	Hybrid Gravity Traversable Wormholes. , 2018, , 410-418.		0
69	Coupling matter in modified Q gravity. Physical Review D, 2018, 98, .	4.8	200
70	Reply to "Comment on 'Can accretion disk properties observationally distinguish black holes from naked singularities?'" Physical Review D, 2018, 98, .	4.8	3
71	Computation of the General Relativistic Perihelion Precession and of Light Deflection via the Laplace-Adomian Decomposition Method. Advances in High Energy Physics, 2018, 2018, 1-15.	1.1	9
72	The Einstein dark energy model. Physics of the Dark Universe, 2018, 21, 27-39.	5.0	16

#	ARTICLE	IF	CITATIONS
73	Loop quantum cosmology with a non-commutative quantum deformed photon gas. European Physical Journal C, 2018, 78, 1.	4.0	2
74	Slowly rotating Bose Einstein condensate galactic dark matter halos, and their rotation curves. European Physical Journal C, 2018, 78, 1.	4.0	30
75	Palatini formulation of $f(R, \hat{\mathcal{T}})$ gravity theory, and its cosmological implications. European Physical Journal C, 2018, 78, 1.	4.0	120
76	Exact scalar-tensor cosmological models. International Journal of Modern Physics D, 2017, 26, 1750073.	2.0	11
77	Vector dark energy models with quadratic terms in the Maxwell tensor derivatives. European Physical Journal C, 2017, 77, 1.	4.0	16
78	The Maxwell-Chern-Simons gravity, and its cosmological implications. European Physical Journal C, 2017, 77, 1.	4.0	16
79	Hybrid metric-Palatini stars. Physical Review D, 2017, 95, .	4.8	54
80	MHD cellular automata simulations: Application to GRB X-ray afterglows. , 2017, , .		0
81	Cosmological models in modified gravity theories with extended nonminimal derivative couplings. Physical Review D, 2017, 95, .	4.8	19
82	The QCD mass gap and quark deconfinement scales as mass bounds in strong gravity. European Physical Journal C, 2017, 77, 1.	4.0	6
83	Radiation emitted by a charged particle undergoing Brownian motion in a magnetic field. AIP Conference Proceedings, 2017, , .	1.0	0
84	Can Superconducting Cosmic Strings Piercing Seed Black Holes Generate Supermassive Black Holes in the Early Universe?. Fortschritte Der Physik, 2017, 65, 1600121.	4.8	4
85	Irreversible Thermodynamic Description of Dark Matter and Radiation Creation during Inflationary Reheating. Advances in High Energy Physics, 2017, 2017, 1-24.	1.1	9
86	Dark Matter and Dark Energy Cosmologies and Alternative Theories of Gravitation. Advances in High Energy Physics, 2017, 2017, 1-2.	1.1	0
87	Astrophysical Signatures of Thin Accretion Disks in Wormhole Spacetimes. Fundamental Theories of Physics, 2017, , 63-88.	0.7	1
88	Irreversible matter creation processes through a nonminimal curvature-matter coupling. , 2017, , .		0
89	Jacobi Stability Analysis of Scalar Field Models with Minimal Coupling to Gravity in a Cosmological Background. Advances in High Energy Physics, 2016, 2016, 1-26.	1.1	10
90	Cosmological implications of modified gravity induced by quantum metric fluctuations. European Physical Journal C, 2016, 76, 1.	4.0	61

#	ARTICLE	IF	CITATIONS
91	Kosambi–Cartan–Chern (KCC) theory for higher-order dynamical systems. International Journal of Geometric Methods in Modern Physics, 2016, 13, 1650014.	2.0	30
92	Mass bounds for compact spherically symmetric objects in generalized gravity theories. Physical Review D, 2016, 94, .	4.8	42
93	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	45
94	Quantum Cosmology of $f(R, \hat{A})$ gravity. European Physical Journal C, 2016, 76, 1.	4.0	63
95	The minimum mass of a charged spherically symmetric object in D dimensions, its implications for fundamental particles, and holography. European Physical Journal C, 2016, 76, 1.	4.0	19
96	Electromagnetic radiation of charged particles in stochastic motion. European Physical Journal C, 2016, 76, 1.	4.0	7
97	The nature of Z_b states from a combined analysis of $\Upsilon(5S) \rightarrow h_b(mP) \pi^+ \pi^-$ and $\Upsilon(5S) \rightarrow B^{(*)} \bar{B}^{(*)} \pi^+ \pi^-$. European Physical Journal C, 2016, 76, 1.		12
98	Dynamical behavior and Jacobi stability analysis of wound strings. European Physical Journal C, 2016, 76, 1.	4.0	23
99	Cosmology with higher-derivative matter fields. International Journal of Geometric Methods in Modern Physics, 2016, 13, 1650102.	2.0	7
100	Exact solutions of the Li�nard- and generalized Li�nard-type ordinary nonlinear differential equations obtained by deforming the phase space coordinates of the linear harmonic oscillator. Journal of Engineering Mathematics, 2016, 98, 93-111.	1.2	14
101	Exact scalar-tensor cosmological solutions via Noether symmetry. Astrophysics and Space Science, 2016, 361, 1.	1.4	44
102	Jacobi stability analysis of the Lorenz system. International Journal of Geometric Methods in Modern Physics, 2015, 12, 1550081.	2.0	56
103	Superconducting dark energy. Physical Review D, 2015, 91, .	4.8	8
104	Gravitational, lensing, and stability properties of Bose-Einstein condensate dark matter halos. Physical Review D, 2015, 92, .	4.8	16
105	Cosmological constraints on superconducting dark energy models. Physical Review D, 2015, 92, .	4.8	8
106	ASTROPHYSICAL SIGNATURES OF QUARK STARS IN THE CFL (COLOR-FLAVOR LOCKED) PHASE. , 2015, , .		0
107	Exact travelling wave solutions of non-linear reaction-convection-diffusion equations–An Abel equation based approach. Journal of Mathematical Physics, 2015, 56, .	1.2	24
108	Gravitational induced particle production through a nonminimal curvature–matter coupling. European Physical Journal C, 2015, 75, 1.	4.0	120

#	ARTICLE	IF	CITATIONS
109	Self-organized criticality in a two-dimensional cellular automaton model of a magnetic flux tube with background flow. Monthly Notices of the Royal Astronomical Society, 2015, 453, 2983-2992.	4.6	8
110	Thin accretion disks around cold Bose-Einstein condensate stars. European Physical Journal C, 2015, 75, 1.	4.0	23
111	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
112	HYBRID $f(R)$ THEORIES, LOCAL CONSTRAINTS, AND COSMIC SPEEDUP. , 2015, , .		0
113	Testing the Bose-Einstein Condensate dark matter model at galactic cluster scale. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 027-027.	5.5	18
114	Proposal of Scope of Clinical Assays of Safety and Effectiveness of Cosmetic Products. Journal of Physics: Conference Series, 2015, 575, 012043.	0.4	1
115	Hybrid Metric-Palatini Gravity. Universe, 2015, 1, 199-238.	2.5	148
116	Bose-Einstein condensate strings. Physical Review D, 2015, 91, .	4.8	24
117	Cosmic strings in $f(R, L)$ gravity. European Physical Journal C, 2015, 75, 1.	4.0	26
118	Cosmology of a Lorentz violating Galileon theory. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 022-022.	5.5	22
119	Wormhole geometries in Eddington-Inspired Born-Infeld gravity. Modern Physics Letters A, 2015, 30, 1550190.	1.2	37
120	Self organized criticality in an one dimensional magnetized grid. Application to GRB X-ray afterglows. Astrophysics and Space Science, 2015, 357, 1.	1.4	6
121	Wormhole geometries supported by quark matter at ultra-high densities. International Journal of Modern Physics D, 2015, 24, 1550006.	2.0	10
122	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
123	EXTENDED $f(R, LM)$ THEORIES OF GRAVITY. , 2015, , .		0
124	Generalized Curvature-Matter Couplings in Modified Gravity. Galaxies, 2014, 2, 410-465.	3.1	225
125	Bianchi Type I Cosmological Models in Eddington-inspired Born-Infeld Gravity. Galaxies, 2014, 2, 496-519.	3.1	25
126	A Riccati equation based approach to isotropic scalar field cosmologies. International Journal of Modern Physics D, 2014, 23, 1450063.	2.0	5

#	ARTICLE	IF	CITATIONS
127	Nonminimal torsion-matter coupling extension of $f(T)$ gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 021-021.	4.8	155
128	A class of exact solutions of the Liénard-type ordinary nonlinear differential equation. <i>Journal of Engineering Mathematics</i> , 2014, 89, 193-205.	1.2	30
130	Null fluid collapse in brane world models. <i>Physical Review D</i> , 2014, 89, .	4.8	49
131	Gravitational collapse of Bose-Einstein condensate dark matter halos. <i>Physical Review D</i> , 2014, 89, .	4.8	40
132	Generalized Langevin Equation Description of Stochastic Oscillations of General Relativistic Disks. <i>Journal of Astrophysics and Astronomy</i> , 2014, 35, 449-452.	1.0	3
133	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
134	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.	2.3	332
135	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
136	Matter may matter. <i>International Journal of Modern Physics D</i> , 2014, 23, 1442016.	2.0	44
137	Thermodynamic interpretation of the generalized gravity models with geometry-matter coupling. <i>Physical Review D</i> , 2014, 90, .	4.8	218
138	Arbitrary scalar-field and quintessence cosmological models. <i>European Physical Journal C</i> , 2014, 74, 1.	4.0	80
139	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
140	Cosmological anisotropy from non-comoving dark matter and dark energy. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 036-036.	5.5	20
141	Further matters in space-time geometry: $f(R)$ gravity. <i>International Journal of Geometric Methods in Modern Physics</i> , 2013, 11, 1450042.	4.8	277
142	Weyl-Cartan-Weitzenböck gravity through Lagrange multiplier. <i>Physical Review D</i> , 2013, 88, .	4.8	45
143	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
144	Isotropic stars in general relativity. <i>European Physical Journal C</i> , 2013, 73, 1.	4.0	55

#	ARTICLE	IF	CITATIONS
145	New further integrability cases for the Riccati equation. Applied Mathematics and Computation, 2013, 219, 7465-7471.	2.3	20
146	Galactic rotation curves in hybrid metric-Palatini gravity. Astroparticle Physics, 2013, 50-52, 65-75.	4.4	78
147	Irreversible thermodynamic description of interacting dark energy-dark matter cosmological models. Physical Review D, 2013, 87, .	4.8	66
148	Structure of neutron, quark, and exotic stars in Eddington-inspired Born-Infeld gravity. Physical Review D, 2013, 88, .	4.8	87
149	Extended $f(R, L, m, \dots)$ dependences. Physical Review D, 2013, 87, .	4.8	99
150	Modified-gravity wormholes without exotic matter. Physical Review D, 2013, 87, .	4.8	260
151	Cosmology of hybrid metric-Palatini $f(X)$ -gravity. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 011-011.	5.5	89
152	The virial theorem and the dark matter problem in hybrid metric-Palatini gravity. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 024-024.	5.5	81
153	A Chiellini Type Integrability Condition for the Generalized First Kind Abel Differential Equation. Universal Journal of Applied Mathematics, 2013, 1, 101-104.	0.1	16
154	Weyl fluid dark matter model tested on the galactic scale by weak gravitational lensing. Physical Review D, 2012, 86, .	4.8	7
155	Condensate dark matter stars. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 001-001.	5.5	31
156	Wormhole geometries in modified teleparallel gravity and the energy conditions. Physical Review D, 2012, 85, .	4.8	207
157	Bose-Einstein condensate general relativistic stars. Physical Review D, 2012, 86, .	4.8	187
158	Wormholes supported by hybrid metric-Palatini gravity. Physical Review D, 2012, 86, .	4.8	164
159	GENERALIZED DARK GRAVITY. International Journal of Modern Physics D, 2012, 21, 1242019.	2.0	46
160	New derivation of the Lagrangian of a perfect fluid with a barotropic equation of state. Physical Review D, 2012, 86, .	4.8	83
161	Cosmological evolution of finite temperature Bose-Einstein condensate dark matter. Physical Review D, 2012, 85, .	4.8	36
162	Optimal sensing based resource allocation in multiuser cognitive radio networks. , 2012, , .		2

#	ARTICLE	IF	CITATIONS
163	ZNF804A and social cognition in patients with schizophrenia and healthy controls. <i>Molecular Psychiatry</i> , 2012, 17, 118-119.	8.2	21
164	Finite temperature effects in Bose-Einstein condensed dark matter halos. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012, 2012, 020-020.	5.5	31
165	Metric-Palatini gravity unifying local constraints and late-time cosmic acceleration. <i>Physical Review D</i> , 2012, 85, .	4.8	174
166	New integrability case for the Riccati equation. <i>Applied Mathematics and Computation</i> , 2012, 218, 10974-10981.	2.3	17
167	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
168	Solar System constraints on local dark matter density. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012, 2012, 047-047.	5.5	7
169	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
170	Quark-hadron phase transitions in the viscous early universe. <i>Physical Review D</i> , 2012, 85, .	4.8	47
171	Could pressureless dark matter have pressure?. <i>Astroparticle Physics</i> , 2012, 35, 547-551.	4.4	21
172	Stochastic oscillations of general relativistic discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 421, 3102-3110.	4.6	15
173	Jacobi stability analysis of dynamical systemsâ€™ applications in gravitation and cosmology. <i>Advances in Theoretical and Mathematical Physics</i> , 2012, 16, 1145-1196.	0.6	84
174	Cosmological dynamics of dark matter Bose-Einstein condensation. <i>Physical Review D</i> , 2011, 83, .	4.8	69
175	$\langle f \rangle = \frac{1}{T} \int_0^T f(t) dt$	4.8	1,913
176	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
177	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
178	Viscous quark-gluon plasma in the early universe. <i>Annalen Der Physik</i> , 2011, 523, 194-207.	2.5	29
179	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
180	Thin accretion disk signatures of slowly rotating black holes in Hořava gravity. <i>Classical and Quantum Gravity</i> , 2011, 28, 165001.	4.0	62

#	ARTICLE	IF	CITATIONS
181	Two-fluid dark matter models. <i>Physical Review D</i> , 2011, 83, .	4.8	38
182	Cheng, Yu, and Harko Reply:. <i>Physical Review Letters</i> , 2011, 106, .	8.0	8
183	Solar System tests of Hořava-Lifshitz gravity. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2011, 467, 1390-1407.	2.1	41
184	Fractal dimension and thermodynamic fluctuation properties of IDV light curves. <i>Research in Astronomy and Astrophysics</i> , 2011, 11, 1031-1045.	1.7	7
185	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
186	Inflation and late-time acceleration in braneworld cosmological models with varying brane tension. <i>European Physical Journal C</i> , 2010, 68, 241-253.	4.0	20
187	$f(R, L, m)$ gravity. <i>European Physical Journal C</i> , 2010, 70, 373-379.	4.0	378
188	Classical tests of general relativity in brane world models. <i>Classical and Quantum Gravity</i> , 2010, 27, 185013.	4.0	35
189	Hubble parameter in QCD Universe for finite bulk viscosity. <i>Annalen Der Physik</i> , 2010, 522, 912-923.	2.5	21
190	Thin accretion disk signatures in dynamical Chern-Simons-modified gravity. <i>Classical and Quantum Gravity</i> , 2010, 27, 105010.	4.0	91
191	High-Redshift Gamma-Ray Bursts: Observational Signatures of Superconducting Cosmic Strings?. <i>Physical Review Letters</i> , 2010, 104, 241102.	8.0	32
192	Nonlinear Stability Analysis of the Emden-Fowler Equation. <i>Journal of Nonlinear Mathematical Physics</i> , 2010, 17, 503.	1.2	45
193	Can accretion disk properties observationally distinguish black holes from naked singularities?. <i>Physical Review D</i> , 2010, 82, .	4.8	116
194	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
195	Thin accretion discs around neutron and quark stars. <i>Astronomy and Astrophysics</i> , 2009, 500, 621-631.	5.3	59
196	IS DARK MATTER AN EXTRA-DIMENSIONAL EFFECT?. <i>Modern Physics Letters A</i> , 2009, 24, 667-682.	1.2	12
197	Can accretion disk properties distinguish gravastars from black holes?. <i>Classical and Quantum Gravity</i> , 2009, 26, 215006.	4.0	117
198	Can stellar mass black holes be quark stars?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 400, 1632-1642.	4.6	53

#	ARTICLE	IF	CITATIONS
199	Testing Hořava-Lifshitz gravity using thin accretion disk properties. <i>Physical Review D</i> , 2009, 80, .	4.8	107
200	Thin accretion disks in stationary axisymmetric wormhole spacetimes. <i>Physical Review D</i> , 2009, 79, .	4.8	175
201	COULD THE COMPACT REMNANT OF SN 1987A BE A QUARK STAR?. <i>Astrophysical Journal</i> , 2009, 695, 732-746.	4.7	20
202	Dark matter as a geometric effect in $f(R)$ gravity. <i>Astroparticle Physics</i> , 2008, 29, 386-392.	4.4	199
203	Physics of Dark Energy Particles. <i>Foundations of Physics</i> , 2008, 38, 216-227.	1.3	62
204	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	223
205	Solar system tests of brane world models. <i>Classical and Quantum Gravity</i> , 2008, 25, 045015.	4.0	57
206	Viscous dissipative Chaplygin gas dominated homogenous and isotropic cosmological models. <i>Physical Review D</i> , 2008, 77, .	4.8	40
207	Thin accretion disks onto brane world black holes. <i>Physical Review D</i> , 2008, 78, .	4.8	91
208	The generalized virial theorem in $f(R)$ gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2008, 2008, 024.	5.5	108
209	Thin accretion disks in $f(R)$ gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2008, 2008, 024.	4.8	118
210	Electromagnetic signatures of thin accretion disks in wormhole geometries. <i>Physical Review D</i> , 2008, 78, .	4.8	127
211	Jacobi stability of the vacuum in the static spherically symmetric brane world models. <i>Physical Review D</i> , 2008, 77, .	4.8	46
212	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
213	CAN STRANGE STARS BE DISTINGUISHED FROM NEUTRON STARS?. , 2008, , .		0
214	Can dark matter be a Bose-Einstein condensate?. <i>Journal of Cosmology and Astroparticle Physics</i> , 2007, 2007, 025-025.	5.5	365
215	Virial theorem and the dynamics of clusters of galaxies in the brane world models. <i>Physical Review D</i> , 2007, 76, .	4.8	79
216	Extra force $f(R)$ modified theories of gravity. <i>Physical Review D</i> , 2007, 75, .	4.8	725

#	ARTICLE	IF	CITATIONS
217	On Einstein clusters as galactic dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2007, 379, 393-398.	4.6	38
218	Dark energy as a massive vector field. European Physical Journal C, 2007, 50, 423-429.	4.0	109
219	Minimum mass-radius ratio for charged gravitational objects. General Relativity and Gravitation, 2007, 39, 757-775.	2.1	133
220	Bounds on the basic physical parameters for anisotropic compact general relativistic objects. Classical and Quantum Gravity, 2006, 23, 6479-6491.	4.0	268
221	Galactic Metric, Dark Radiation, Dark Pressure, and Gravitational Lensing in Brane World Models. Astrophysical Journal, 2006, 636, 8-20.	4.7	59
222	Structure of the Electrospheres of Bare Strange Stars. Astrophysical Journal, 2005, 620, 915-921.	4.7	53
223	Photon Emissivity of the Electrosphere of Bare Strange Stars. Astrophysical Journal, 2005, 622, 1033-1043.	4.7	19
224	Conformally symmetric vacuum solutions of the gravitational field equations in the brane-world models. Annals of Physics, 2005, 319, 471-492.	2.9	26
225	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
226	Constraints on Extra-Dimensions and Variable Constants from Cosmological Gamma-Ray Bursts. Astrophysics and Space Science, 2005, 297, 319-326.	1.4	1
227	Relativistic compact objects in isotropic coordinates. Pramana - Journal of Physics, 2005, 65, 185-192.	1.8	23
228	Nucleation of Quark Matter in Neutron Star Cores. Astrophysical Journal, 2004, 608, 945-956.	4.7	26
229	Anisotropy in Bianchi-type brane cosmologies. Classical and Quantum Gravity, 2004, 21, 1489-1503.	4.0	47
230	Vacuum solutions of the gravitational field equations in the brane world model. Physical Review D, 2004, 69, .	4.8	81
231	FULL CAUSAL DISSIPATIVE COSMOLOGIES WITH STIFF MATTER. International Journal of Modern Physics D, 2004, 13, 273-280.	2.0	15
232	Orbital Decay of a Binary System Consisting of Spin-Down Neutron Stars. Astrophysics and Space Science, 2004, 294, 151-176.	1.4	1
233	Can the galactic rotation curves be explained in brane world models?. Physical Review D, 2004, 70, .	4.8	140
234	Relativistic dissipative cosmological models and abel differential equation. Computers and Mathematics With Applications, 2003, 46, 849-853.	2.8	36

#	ARTICLE	IF	CITATIONS
235	Anisotropic stars in general relativity. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2003, 459, 393-408.	2.1	410
236	Gravitational collapse of a Hagedorn fluid in Vaidya geometry. Physical Review D, 2003, 68, .	4.8	52
237	BULK VISCOUS BRANSâ€™DICKE COSMOLOGICAL MODELS AND LATE-TIME ACCELERATION OF THE UNIVERSE. International Journal of Modern Physics D, 2003, 12, 925-939.	2.0	22
238	QUINTESSENCE AND COSMIC ACCELERATION. International Journal of Modern Physics D, 2002, 11, 1389-1397.	2.0	17
239	BIANCHI TYPE I UNIVERSES WITH CAUSAL BULK VISCOUS COSMOLOGICAL FLUID. International Journal of Modern Physics D, 2002, 11, 447-462.	2.0	19
240	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
241	BIANCHI TYPE I UNIVERSES WITH DILATON AND MAGNETIC FIELDS. International Journal of Modern Physics D, 2002, 11, 1171-1182.	2.0	17
242	Maximum mass and radius of strange stars in the linear approximation of the EOS. Astronomy and Astrophysics, 2002, 385, 947-950.	5.3	29
243	An Exact Anisotropic Quark Star Model. Research in Astronomy and Astrophysics, 2002, 2, 248-259.	1.1	158
244	EXACT MODELS FOR ANISOTROPIC RELATIVISTIC STARS. International Journal of Modern Physics D, 2002, 11, 207-221.	2.0	64
245	New method for generating general solution of Abel differential equation. Computers and Mathematics With Applications, 2002, 43, 91-94.	2.8	27
246	Anisotropic relativistic stellar models. Annalen Der Physik, 2002, 11, 3.	2.5	75
247	Maximum mass-radius ratios for charged compact general relativistic objects. Europhysics Letters, 2001, 55, 310-316.	2.0	83
248	Solutions generating technique for Abel-type nonlinear ordinary differential equations. Computers and Mathematics With Applications, 2001, 41, 1395-1401.	2.8	26
249	COSMIC NO-HAIR CONJECTURE IN EINSTEINâ€™CARTAN THEORY. International Journal of Modern Physics D, 2001, 10, 315-324.	2.0	6
250	Collapsing strange quark matter in Vaidya geometry. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 266, 249-253.	2.2	75
251	Bianchi Type I Universe Models with Irreversible Matter Creation. General Relativity and Gravitation, 2000, 32, 865-883.	2.1	4
252	DECELERATING CAUSAL BULK VISCOUS COSMOLOGICAL MODELS. International Journal of Modern Physics D, 2000, 09, 97-110.	2.0	11

#	ARTICLE	IF	CITATIONS
253	MAXIMUM MASS"RADIUS RATIO FOR COMPACT GENERAL RELATIVISTIC OBJECTS IN SCHWARZSCHILD"DE SITTER GEOMETRY. Modern Physics Letters A, 2000, 15, 2153-2158.	1.2	89
254	CAUSAL BULK VISCOUS COSMOLOGIES IN CONFORMALLY FLAT SPACETIME. International Journal of Modern Physics D, 2000, 09, 475-493.	2.0	6
255	Bianchi type I cosmologies in arbitrary dimensional dilaton gravities. Physical Review D, 2000, 62, .	4.8	45
256	Anisotropic charged fluid spheres in D space"time dimensions. Journal of Mathematical Physics, 2000, 41, 4752-4764.	1.2	55
257	Cosmological particle production in five-dimensional Kaluza-Klein theory. Classical and Quantum Gravity, 1999, 16, 4085-4099.	4.0	54
258	Particle creation in varying speed of light cosmological models. Classical and Quantum Gravity, 1999, 16, 2741-2752.	4.0	64
259	ANISOTROPIC HOMOGENEOUS UNIVERSES IN THE VARYING SPEED OF LIGHT THEORY. International Journal of Modern Physics D, 1999, 08, 607-624.	2.0	6
260	QUANTUM COSMOLOGY WITH A NONLINEAR BORN"INFELD TYPE SCALAR FIELD. International Journal of Modern Physics D, 1999, 08, 625-634.	2.0	8
261	Particle Creation in Cosmological Models with Varying Gravitational and Cosmological "Constants". General Relativity and Gravitation, 1999, 31, 849-862.	2.1	34
262	Exact Boltzmann-Gas Filled Bianchi Type V Space-Times. Astrophysics and Space Science, 1998, 262, 315-335.	1.4	0
263	Irreversible Matter Creation in Inflationary Cosmology. Astrophysics and Space Science, 1997, 253, 161-175.	1.4	15
264	Åber die Wirkung der Calmetteschen Tuberkulose-Schutzimpfungsstoffe in Meerschweinchenversuchen. Klinische Wochenschrift, 1927, 6, 1134-1136.	0.5	6