

Tiberiu Harko

List of Publications by Year in descending order

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Version: 2024-02-01

244
papers

14,653
citations

19636

61
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114
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258
all docs

258
docs citations

258
times ranked

2991
citing authors

#	ARTICLE	IF	CITATIONS
1	Compact stars in the Einstein dark energy model. <i>Physical Review D</i> , 2022, 105, .	1.6	3
2	Coupling matter and curvature in Weyl geometry: conformally invariant $f(R, L_{\text{matter}})$ gravity. <i>European Physical Journal C</i> , 2022, 82, 1.	1.4	13
3	Curvature-matter couplings in modified gravity: From linear models to conformally invariant theories. <i>International Journal of Modern Physics D</i> , 2022, 31, .	0.9	9
4	Dark energy and accelerating cosmological evolution from osculating Barthel-Kropina geometry. <i>European Physical Journal C</i> , 2022, 82, 1.	1.4	8
5	Bose-Einstein Condensate dark matter models in the presence of baryonic matter and random confining potentials. <i>European Physical Journal C</i> , 2022, 82, .	1.4	4
6	Novel couplings between nonmetricity and matter. , 2022, , .		0
7	Black hole solutions in modified gravity induced by quantum metric fluctuations. <i>Physics of the Dark Universe</i> , 2021, 31, 100756.	1.8	3
8	Warm inflation with non-comoving scalar field and radiation fluid. <i>European Physical Journal C</i> , 2021, 81, 1.	1.4	6
9	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.	1.4	50
10	Static spherically symmetric three-form stars. <i>European Physical Journal C</i> , 2021, 81, 1.	1.4	5
11	Generalizing the coupling between geometry and matter: $f(R, L_m, T)$ gravity. <i>European Physical Journal C</i> , 2021, 81, 1.	1.4	9
12	Gravitationally Induced Particle Production through a Nonminimal Torsion-Matter Coupling. <i>Universe</i> , 2021, 7, 227.	0.9	16
13	Cosmological evolution and dark energy in osculating Barthel-Randers geometry. <i>European Physical Journal C</i> , 2021, 81, 1.	1.4	14
14	Effects of Quantum Metric Fluctuations on the Cosmological Evolution in Friedmann-Lemaître-Robertson-Walker Geometries. <i>Physics</i> , 2021, 3, 689-714.	0.5	6
15	Non-minimal geometry-matter couplings in Weyl-Cartan space-times: $f(R, L_m, T)$ gravity. <i>Physics of the Dark Universe</i> , 2021, 34, 100886.	1.8	22
16	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.	0.5	3
17	Cosmic strings in generalized hybrid metric-Palatini gravity. <i>Physical Review D</i> , 2021, 104, .	1.6	2
18	Beyond Einstein's General Relativity: Hybrid metric-Palatini gravity and curvature-matter couplings. <i>International Journal of Modern Physics D</i> , 2020, 29, 2030008.	0.9	43

#	ARTICLE	IF	CITATIONS
19	Weyl type $f(Q, \hat{\mathcal{A}})$ gravity, and its cosmological implications. European Physical Journal C, 2020, 80, 1.	1.4	58
20	Comment on "Reexamining $f(Q, \hat{\mathcal{A}})$ gravity" by T. J. ETQq0000rgBT7/Overlock	1.6	18
21	Cosmic stringlike objects in hybrid metric-Palatini gravity. Physical Review D, 2020, 101, .	1.6	12
22	Black hole and naked singularity geometries supported by three-form fields. European Physical Journal C, 2020, 80, 1.	1.4	5
23	Irreversible thermodynamical description of warm inflationary cosmological models. Physics of the Dark Universe, 2020, 28, 100521.	1.8	15
24	Distinguishing Brans-Dicke-Kerr type naked singularities and black holes with their thin disk electromagnetic radiation properties. European Physical Journal C, 2020, 80, 1.	1.4	17
25	Testing Bose-Einstein condensate dark matter models with the SPARC galactic rotation curves data. European Physical Journal C, 2020, 80, 1.	1.4	24
26	$f(Q, \hat{\mathcal{A}})$ gravity. European Physical Journal C, 2019, 79, 1.	1.4	156
27	Jeans instability and turbulent gravitational collapse of Bose-Einstein condensate dark matter halos. European Physical Journal C, 2019, 79, 1.	1.4	22
28	Spherically symmetric static vacuum solutions in hybrid metric-Palatini gravity. Physical Review D, 2019, 99, .	1.6	23
29	Energy-dependent noncommutative quantum mechanics. European Physical Journal C, 2019, 79, 1.	1.4	20
30	Constraining chameleon field driven warm inflation with Planck 2018 data. European Physical Journal C, 2019, 79, 1.	1.4	32
31	Finslerian geometrization of quantum mechanics in the hydrodynamical representation. Physical Review D, 2019, 100, .	1.6	7
32	On the Integrability of the Abel and of the Extended Liouville Equations. Acta Mathematicae Applicatae Sinica, 2019, 35, 722-736.	0.4	1
33	Towards an Observable Test of Noncommutative Quantum Mechanics. Ukrainian Journal of Physics, 2019, 64, 983.	0.1	2
34	Does space-time torsion determine the minimum mass of gravitating particles?. European Physical Journal C, 2018, 78, 253.	1.4	7
35	Mass-radius ratio bounds for compact objects in Lorentz-violating dRGT massive gravity theory. European Physical Journal C, 2018, 78, 1.	1.4	13
36	The Mathematical Foundations. , 2018, , 11-36.		0

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37	The Gravitational Field Equations. , 2018, , 37-54.		0
38	The Solar System Tests and Astrophysical Applications. , 2018, , 55-100.		0
39	f(R) Gravity. , 2018, , 138-176.		0
40	Gravity Theories with Linear Curvature-Matter Coupling. , 2018, , 186-203.		0
41	f(R,Lm) Gravity. , 2018, , 204-218.		0
42	f(R, T) Gravity. , 2018, , 219-230.		0
43	Dark Matter as a Curvature-Matter Coupling Effect. , 2018, , 231-240.		0
44	Thermodynamical Interpretation of Curvature-Matter Coupling. , 2018, , 241-264.		0
45	Quantum Cosmology of f(R, T) Gravity. , 2018, , 265-295.		0
46	Modified Gravity from Quantum Metric Fluctuations. , 2018, , 296-332.		0
47	The General Formalism. , 2018, , 342-358.		0
48	Cosmological Applications. , 2018, , 359-367.		0
49	Astrophysical Applications. , 2018, , 368-382.		0
50	Compact Stellar Objects. , 2018, , 383-409.		0
51	Hybrid Gravity Traversable Wormholes. , 2018, , 410-418.		0
52	Coupling matter in modified Q gravity. Physical Review D, 2018, 98, .	1.6	164
53	Reply to "Comment on "Can accretion disk properties observationally distinguish black holes from naked singularities?" Physical Review D, 2018, 98, .	1.6	3
54	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.	0.5	8

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55	The Einstein dark energy model. <i>Physics of the Dark Universe</i> , 2018, 21, 27-39.	1.8	16
56	Loop quantum cosmology with a non-commutative quantum deformed photon gas. <i>European Physical Journal C</i> , 2018, 78, 1.	1.4	2
57	Slowly rotating Bose Einstein condensate galactic dark matter halos, and their rotation curves. <i>European Physical Journal C</i> , 2018, 78, 1.	1.4	28
58	Palatini formulation of $f(R, \hat{\mathcal{A}})$ gravity theory, and its cosmological implications. <i>European Physical Journal C</i> , 2018, 78, 1.	1.4	115
59	Exact scalar-tensor cosmological models. <i>International Journal of Modern Physics D</i> , 2017, 26, 1750073.	0.9	11
60	Vector dark energy models with quadratic terms in the Maxwell tensor derivatives. <i>European Physical Journal C</i> , 2017, 77, 1.	1.4	16
61	The Maxwell-Chern-Simons gravity, and its cosmological implications. <i>European Physical Journal C</i> , 2017, 77, 1.	1.4	15
62	Hybrid metric-Palatini stars. <i>Physical Review D</i> , 2017, 95, .	1.6	54
63	MHD cellular automata simulations: Application to GRB X-ray afterglows. , 2017, , .		0
64	Cosmological models in modified gravity theories with extended nonminimal derivative couplings. <i>Physical Review D</i> , 2017, 95, .	1.6	18
65	The QCD mass gap and quark deconfinement scales as mass bounds in strong gravity. <i>European Physical Journal C</i> , 2017, 77, 1.	1.4	6
66	Radiation emitted by a charged particle undergoing Brownian motion in a magnetic field. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	0
67	Can Superconducting Cosmic Strings Piercing Seed Black Holes Generate Supermassive Black Holes in the Early Universe?. <i>Fortschritte Der Physik</i> , 2017, 65, 1600121.	1.5	4
68	Irreversible Thermodynamic Description of Dark Matter and Radiation Creation during Inflationary Reheating. <i>Advances in High Energy Physics</i> , 2017, 2017, 1-24.	0.5	8
69	Dark Matter and Dark Energy Cosmologies and Alternative Theories of Gravitation. <i>Advances in High Energy Physics</i> , 2017, 2017, 1-2.	0.5	0
70	Astrophysical Signatures of Thin Accretion Disks in Wormhole Spacetimes. <i>Fundamental Theories of Physics</i> , 2017, , 63-88.	0.1	1
71	Irreversible matter creation processes through a nonminimal curvature-matter coupling. , 2017, , .		0
72	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.	0.5	9

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73	Cosmological implications of modified gravity induced by quantum metric fluctuations. European Physical Journal C, 2016, 76, 1.	1.4	59
74	Kosambi–Cartan–Chern (KCC) theory for higher-order dynamical systems. International Journal of Geometric Methods in Modern Physics, 2016, 13, 1650014.	0.8	27
75	Mass bounds for compact spherically symmetric objects in generalized gravity theories. Physical Review D, 2016, 94, .	1.6	42
76	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.	0.5	44
77	Quantum Cosmology of $f(R, \mathcal{A})$ gravity. European Physical Journal C, 2016, 76, 1.	1.4	61
78	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.	1.4	18
79	Electromagnetic radiation of charged particles in stochastic motion. European Physical Journal C, 2016, 76, 1.	1.4	7
80	Dynamical behavior and Jacobi stability analysis of wound strings. European Physical Journal C, 2016, 76, 1.	1.4	20
81	Cosmology with higher-derivative matter fields. International Journal of Geometric Methods in Modern Physics, 2016, 13, 1650102.	0.8	7
82	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.	0.6	12
83	Exact scalar-tensor cosmological solutions via Noether symmetry. Astrophysics and Space Science, 2016, 361, 1.	0.5	43
84	Jacobi stability analysis of the Lorenz system. International Journal of Geometric Methods in Modern Physics, 2015, 12, 1550081.	0.8	48
85	Superconducting dark energy. Physical Review D, 2015, 91, .	1.6	7
86	Gravitational, lensing, and stability properties of Bose-Einstein condensate dark matter halos. Physical Review D, 2015, 92, .	1.6	14
87	Cosmological constraints on superconducting dark energy models. Physical Review D, 2015, 92, .	1.6	8
88	ASTROPHYSICAL SIGNATURES OF QUARK STARS IN THE CFL (COLOR-FLAVOR LOCKED) PHASE. , 2015, , .		0
89	Exact travelling wave solutions of non-linear reaction-convection-diffusion equations–An Abel equation based approach. Journal of Mathematical Physics, 2015, 56, .	0.5	24
90	Gravitational induced particle production through a nonminimal curvature–matter coupling. European Physical Journal C, 2015, 75, 1.	1.4	114

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91	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.	1.6	7
92	Thin accretion disks around cold Bose-Einstein condensate stars. European Physical Journal C, 2015, 75, 1.	1.4	23
93	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.	1.4	21
94	HYBRID $f(R)$ THEORIES, LOCAL CONSTRAINTS, AND COSMIC SPEEDUP. , 2015, , .		0
95	Testing the Bose-Einstein Condensate dark matter model at galactic cluster scale. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 027-027.	1.9	17
96	Hybrid Metric-Palatini Gravity. Universe, 2015, 1, 199-238.	0.9	147
97	Bose-Einstein condensate strings. Physical Review D, 2015, 91, .	1.6	21
98	Cosmic strings in $f(R, L)$ gravity. European Physical Journal C, 2015, 75, 1.	1.4	24
99	Cosmology of a Lorentz violating Galileon theory. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 022-022.	1.9	22
100	Wormhole geometries in Eddington-Inspired Born-Infeld gravity. Modern Physics Letters A, 2015, 30, 1550190.	0.5	36
101	Self organized criticality in an one dimensional magnetized grid. Application to GRB X-ray afterglows. Astrophysics and Space Science, 2015, 357, 1.	0.5	5
102	Wormhole geometries supported by quark matter at ultra-high densities. International Journal of Modern Physics D, 2015, 24, 1550006.	0.9	9
103	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.	1.0	20
104	EXTENDED $f(R, LM)$ THEORIES OF GRAVITY. , 2015, , .		0
105	Generalized Curvature-Matter Couplings in Modified Gravity. Galaxies, 2014, 2, 410-465.	1.1	208
106	Bianchi Type I Cosmological Models in Eddington-inspired Born-Infeld Gravity. Galaxies, 2014, 2, 496-519.	1.1	25
107	A Riccati equation based approach to isotropic scalar field cosmologies. International Journal of Modern Physics D, 2014, 23, 1450063.	0.9	4
108	Nonminimal torsion-matter coupling extension of $f(R)$ gravity. International Journal of Modern Physics D, 2014, 23, 1450063.	1.6	154

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109	$f(T, \rho)$ gravity and cosmology. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 021-021.	1.9	194
110	A class of exact solutions of the Liénard-type ordinary nonlinear differential equation. Journal of Engineering Mathematics, 2014, 89, 193-205.	0.6	30
111	Null fluid collapse in brane world models. Physical Review D, 2014, 89, .	1.6	49
112	Gravitational collapse of Bose-Einstein condensate dark matter halos. Physical Review D, 2014, 89, .	1.6	39
113	Generalized Langevin Equation Description of Stochastic Oscillations of General Relativistic Disks. Journal of Astrophysics and Astronomy, 2014, 35, 449-452.	0.4	3
114	The Cauchy problem in hybrid metric-Palatini $f(X)$ -gravity. International Journal of Geometric Methods in Modern Physics, 2014, 11, 1450042.	0.8	49
115	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.	1.4	322
116	Dark matter density profile and galactic metric in Eddington-inspired Born-Infeld gravity. Modern Physics Letters A, 2014, 29, 1450049.	0.5	36
117	Matter may matter. International Journal of Modern Physics D, 2014, 23, 1442016.	0.9	44
118	Thermodynamic interpretation of the generalized gravity models with geometry-matter coupling. Physical Review D, 2014, 90, .	1.6	203
119	Arbitrary scalar-field and quintessence cosmological models. European Physical Journal C, 2014, 74, 1.	1.4	79
120	Generalized Langevin equation with colored noise description of the stochastic oscillations of accretion disks. European Physical Journal C, 2014, 74, 1.	1.4	13
121	Cosmological anisotropy from non-comoving dark matter and dark energy. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 036-036.	1.9	17
122	Further matters in space-time geometry: $f(R, T, \rho)$	1.6	265
123	Weyl-Cartan-Weitzenböck gravity through Lagrange multiplier. Physical Review D, 2013, 88, .	1.6	40
124	HYBRID MODIFIED GRAVITY UNIFYING LOCAL TESTS, GALACTIC DYNAMICS AND LATE-TIME COSMIC ACCELERATION. International Journal of Modern Physics D, 2013, 22, 1342006.	0.9	90
125	Isotropic stars in general relativity. European Physical Journal C, 2013, 73, 1.	1.4	52
126	New further integrability cases for the Riccati equation. Applied Mathematics and Computation, 2013, 219, 7465-7471.	1.4	20

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127	Galactic rotation curves in hybrid metric-Palatini gravity. <i>Astroparticle Physics</i> , 2013, 50-52, 65-75.	1.9	77
128	Irreversible thermodynamic description of interacting dark energy-dark matter cosmological models. <i>Physical Review D</i> , 2013, 87, .	1.6	64
129	Structure of neutron, quark, and exotic stars in Eddington-inspired Born-Infeld gravity. <i>Physical Review D</i> , 2013, 88, .	1.6	87
130	Extended $f(R, L, \rho, p, \dots)$ dependences. <i>Physical Review D</i> , 2013, 87, .	1.6	97
131	Modified-gravity wormholes without exotic matter. <i>Physical Review D</i> , 2013, 87, .	1.6	250
132	Cosmology of hybrid metric-Palatini (X)-gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 011-011.	1.9	89
133	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.	1.9	81
134	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
135	Weyl fluid dark matter model tested on the galactic scale by weak gravitational lensing. <i>Physical Review D</i> , 2012, 86, .	1.6	7
136	Condensate dark matter stars. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012, 2012, 001-001.	1.9	31
137	Wormhole geometries in modified teleparallel gravity and the energy conditions. <i>Physical Review D</i> , 2012, 85, .	1.6	193
138	Bose-Einstein condensate general relativistic stars. <i>Physical Review D</i> , 2012, 86, .	1.6	181
139	Wormholes supported by hybrid metric-Palatini gravity. <i>Physical Review D</i> , 2012, 86, .	1.6	155
140	GENERALIZED DARK GRAVITY. <i>International Journal of Modern Physics D</i> , 2012, 21, 1242019.	0.9	45
141	New derivation of the Lagrangian of a perfect fluid with a barotropic equation of state. <i>Physical Review D</i> , 2012, 86, .	1.6	81
142	Cosmological evolution of finite temperature Bose-Einstein condensate dark matter. <i>Physical Review D</i> , 2012, 85, .	1.6	36
143	Finite temperature effects in Bose-Einstein condensed dark matter halos. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012, 2012, 020-020.	1.9	31
144	Metric-Palatini gravity unifying local constraints and late-time cosmic acceleration. <i>Physical Review D</i> , 2012, 85, .	1.6	172

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145	New integrability case for the Riccati equation. Applied Mathematics and Computation, 2012, 218, 10974-10981.	1.4	17
146	Weyl-Cartan-Weitzenböck gravity as a generalization of teleparallel gravity. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 061-061.	1.9	62
147	Solar System constraints on local dark matter density. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 047-047.	1.9	6
148	Geodesic deviation, Raychaudhuri equation, and tidal forces in modified gravity with an arbitrary curvature-matter coupling. Physical Review D, 2012, 86, .	1.6	68
149	Quark-hadron phase transitions in the viscous early universe. Physical Review D, 2012, 85, .	1.6	45
150	Could pressureless dark matter have pressure?. Astroparticle Physics, 2012, 35, 547-551.	1.9	21
151	Stochastic oscillations of general relativistic discs. Monthly Notices of the Royal Astronomical Society, 2012, 421, 3102-3110.	1.6	15
152	Jacobi stability analysis of dynamical systemsâ€”applications in gravitation and cosmology. Advances in Theoretical and Mathematical Physics, 2012, 16, 1145-1196.	0.4	78
153	Cosmological dynamics of dark matter Bose-Einstein condensation. Physical Review D, 2011, 83, .	1.6	67
154	$\langle \langle \mathbf{R} \cdot \mathbf{T} \rangle \rangle = \langle \langle \mathbf{R} \rangle \cdot \langle \langle \mathbf{T} \rangle \rangle$	1.6	1767
155	Evolution of cosmological perturbations in Bose-Einstein condensate dark matter. Monthly Notices of the Royal Astronomical Society, 2011, 413, 3095-3104.	1.6	142
156	Modelling the IDV Emissions of the BL Lac Objects with a Langevin Type Stochastic Differential Equation. Journal of Astrophysics and Astronomy, 2011, 32, 189-192.	0.4	11
157	Viscous quark-gluon plasma in the early universe. Annalen Der Physik, 2011, 523, 194-207.	0.9	26
158	Bose-Einstein condensation of dark matter solves the core/cusp problem. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 022-022.	1.9	116
159	Thin accretion disk signatures of slowly rotating black holes in Hoava gravity. Classical and Quantum Gravity, 2011, 28, 165001.	1.5	61
160	Two-fluid dark matter models. Physical Review D, 2011, 83, .	1.6	36
161	Cheng, Yu, and Harko Reply:. Physical Review Letters, 2011, 106, .	2.9	8
162	Solar System tests of Hoavaâ€”Lifshitz gravity. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2011, 467, 1390-1407.	1.0	40

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163	Fractal dimension and thermodynamic fluctuation properties of IDV light curves. Research in Astronomy and Astrophysics, 2011, 11, 1031-1045.	0.7	7
164	PALATINI FORMULATION OF MODIFIED GRAVITY WITH A NON-MINIMAL CURVATURE-MATTER COUPLING. Modern Physics Letters A, 2011, 26, 1467-1480.	0.5	103
165	Inflation and late-time acceleration in braneworld cosmological models with varying brane tension. European Physical Journal C, 2010, 68, 241-253.	1.4	20
166	$f(R, L, m)$ gravity. European Physical Journal C, 2010, 70, 373-379.	1.4	329
167	Classical tests of general relativity in brane world models. Classical and Quantum Gravity, 2010, 27, 185013.	1.5	34
168	Hubble parameter in QCD Universe for finite bulk viscosity. Annalen Der Physik, 2010, 522, 912-923.	0.9	20
169	Thin accretion disk signatures in dynamical Chern-Simons-modified gravity. Classical and Quantum Gravity, 2010, 27, 105010.	1.5	91
170	High-Redshift Gamma-Ray Bursts: Observational Signatures of Superconducting Cosmic Strings?. Physical Review Letters, 2010, 104, 241102.	2.9	31
171	Nonlinear Stability Analysis of the Emden-Fowler Equation. Journal of Nonlinear Mathematical Physics, 2010, 17, 503.	0.8	41
172	Can accretion disk properties observationally distinguish black holes from naked singularities?. Physical Review D, 2010, 82, .	1.6	112
173	The matter Lagrangian and the energy-momentum tensor in modified gravity with nonminimal coupling between matter and geometry. Physical Review D, 2010, 81, .	1.6	81
174	Thin accretion discs around neutron and quark stars. Astronomy and Astrophysics, 2009, 500, 621-631.	2.1	59
175	IS DARK MATTER AN EXTRA-DIMENSIONAL EFFECT?. Modern Physics Letters A, 2009, 24, 667-682.	0.5	12
176	Can accretion disk properties distinguish gravastars from black holes?. Classical and Quantum Gravity, 2009, 26, 215006.	1.5	111
177	Can stellar mass black holes be quark stars?. Monthly Notices of the Royal Astronomical Society, 2009, 400, 1632-1642.	1.6	52
178	Testing Hoava-Lifshitz gravity using thin accretion disk properties. Physical Review D, 2009, 80, .	1.6	106
179	Thin accretion disks in stationary axisymmetric wormhole spacetimes. Physical Review D, 2009, 79, .	1.6	165
180	COULD THE COMPACT REMNANT OF SN 1987A BE A QUARK STAR?. Astrophysical Journal, 2009, 695, 732-746.	1.6	19

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181	Dark matter as a geometric effect in $f(R)f(R)$ gravity. <i>Astroparticle Physics</i> , 2008, 29, 386-392.	1.9	186
182	Physics of Dark Energy Particles. <i>Foundations of Physics</i> , 2008, 38, 216-227.	0.6	62
183	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.	1.5	211
184	Solar system tests of brane world models. <i>Classical and Quantum Gravity</i> , 2008, 25, 045015.	1.5	57
185	Viscous dissipative Chaplygin gas dominated homogenous and isotropic cosmological models. <i>Physical Review D</i> , 2008, 77, .	1.6	39
186	Thin accretion disks onto brane world black holes. <i>Physical Review D</i> , 2008, 78, .	1.6	90
187	The generalized virial theorem in $f(R)$ gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2008, 2008, 024.	1.9	105
188	Thin accretion disks in $f(R)$ gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2008, 2008, 024.	1.6	117
189	Electromagnetic signatures of thin accretion disks in wormhole geometries. <i>Physical Review D</i> , 2008, 78, .	1.6	119
190	Jacobi stability of the vacuum in the static spherically symmetric brane world models. <i>Physical Review D</i> , 2008, 77, .	1.6	43
191	Reheating the Universe in braneworld cosmological models with bulk brane energy transfer. <i>Journal of Cosmology and Astroparticle Physics</i> , 2008, 2008, 002.	1.9	13
192	CAN STRANGE STARS BE DISTINGUISHED FROM NEUTRON STARS?. , 2008, , .		0
193	Can dark matter be a Bose-Einstein condensate?. <i>Journal of Cosmology and Astroparticle Physics</i> , 2007, 2007, 025-025.	1.9	346
194	Virial theorem and the dynamics of clusters of galaxies in the brane world models. <i>Physical Review D</i> , 2007, 76, .	1.6	79
195	Extra force $f(R)$ modified theories of gravity. <i>Physical Review D</i> , 2007, 75, .	1.6	684
196	On Einstein clusters as galactic dark matter haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 379, 393-398.	1.6	37
197	Dark energy as a massive vector field. <i>European Physical Journal C</i> , 2007, 50, 423-429.	1.4	108
198	Minimum mass-radius ratio for charged gravitational objects. <i>General Relativity and Gravitation</i> , 2007, 39, 757-775.	0.7	129

#	ARTICLE	IF	CITATIONS
199	Bounds on the basic physical parameters for anisotropic compact general relativistic objects. <i>Classical and Quantum Gravity</i> , 2006, 23, 6479-6491.	1.5	253
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