Salvatore Capozziello

List of Publications by Year
in descending order

556	31,653	4942 84	6454 157
papers	citations	h-index	g-index

565	565	565	4912
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Extended Theories of Gravity. Physics Reports, 2011, 509, 167-321.	10.3	2,457
2	Dark energy cosmology: the equivalent description via different theoretical models and cosmography tests. Astrophysics and Space Science, 2012, 342, 155-228.	0.5	1,721
3	CURVATURE QUINTESSENCE. International Journal of Modern Physics D, 2002, 11, 483-491.	0.9	1,117
4	f(T) teleparallel gravity and cosmology. Reports on Progress in Physics, 2016, 79, 106901.	8.1	923
5	Extended theories of gravity and their cosmological and astrophysical applications. General Relativity and Gravitation, 2008, 40, 357-420.	0.7	711
6	Cosmological viability of <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x	1.5	623
7	CURVATURE QUINTESSENCE MATCHED WITH OBSERVATIONAL DATA. International Journal of Modern Physics D, 2003, 12, 1969-1982.	0.9	480
8	Reconciling dark energy models withf(R)theories. Physical Review D, 2005, 71, .	1.6	420
9	Cosmology intertwined: A review of the particle physics, astrophysics, and cosmology associated with the cosmological tensions and anomalies. Journal of High Energy Astrophysics, 2022, 34, 49-211.	2.4	350
10	Low surface brightness galaxy rotation curves in the low energy limit of Rn gravity: no need for dark matter?. Monthly Notices of the Royal Astronomical Society, 2007, 375, 1423-1440.	1.6	349
11	Observational constraints on dark energy with generalized equations of state. Physical Review D, 2006, 73, .	1.6	319
12	Unified phantom cosmology: Inflation, dark energy and dark matter under the same standard. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 632, 597-604.	1.5	317
13	Generalized Uncertainty Principle from QuantumGeometry. International Journal of Theoretical Physics, 2000, 39, 15-22.	0.5	295
14	Spherically symmetric solutions in f (R) gravity via the Noether symmetry approach. Classical and Quantum Gravity, 2007, 24, 2153-2166.	1.5	282
15	Strong Field Limit of Black Hole Gravitational Lensing. General Relativity and Gravitation, 2001, 33, 1535-1548.	0.7	281
16	Further stable neutron star models fromf(R) gravity. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 040-040.	1.9	258
17	Cosmological dynamics of R n gravity. Classical and Quantum Gravity, 2005, 22, 4839-4868.	1.5	251
18	Extended gravity cosmography. International Journal of Modern Physics D, 2019, 28, 1930016.	0.9	242

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19	Cosmography in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>f</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>T</mml:mi><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 732 Td (stretchy="false"	1.6	239
20	Solar system and equivalence principle constraints on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>f</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>R</mml:mi><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 697 Td (stretchy="false"><mml:m 77.	1.6	237
21	Hydrostatic equilibrium and stellar structure in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>f</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>R</mml:mi><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 652 Td (stretchy="false"	1.6	235
22	Dark energy and dark matter as curvature effects?. Journal of Cosmology and Astroparticle Physics, 2006, 2006, 001-001.	1.9	229
23	Snowmass2021 - Letter of interest cosmology intertwined II: The hubble constant tension. Astroparticle Physics, 2021, 131, 102605.	1.9	228
24	Dark energy: the equation of state description versus scalar-tensor or modified gravity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 634, 93-100.	1.5	207
25	Mass-radius relation for neutron stars in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>f</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>R</mml:mi><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 492 Td (stretchy="false"	1.6	207
26	Newtonian limit of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>f</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>R</mml:mi><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 452 Td (stretchy="false">)</mml:m	1.6	205
27	Maximal neutron star mass and the resolution of the hyperon puzzle in modified gravity. Physical Review D, 2014, 89, .	1.6	187
28	Cosmological inflation in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>F</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>R</mml:mi><mml:mo>,</mml:mo><mml:mi) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 377 Td (math Review D, 2015, 91, .	1.6	187
29	The dark matter problem from f(R) gravity viewpoint. Annalen Der Physik, 2012, 524, 545-578.	0.9	184
30	Extreme neutron stars from Extended Theories of Gravity. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 001-001.	1.9	184
31	Cosmology intertwined III: <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si4.svg"><mml:mrow><mml:mi>f</mml:mi><mml:msub><mml:mi>Ï</mml:mi><mml:mn>8</mml:mn></mml:msub></mml:m and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si3.svg"><mml:msub><mml:mi>S</mml:mi><mml:mn>8</mml:mn></mml:msub></mml:math>. Astroparticle Physics, 2021, 131, 102604.	1.9	182
32	Quantum gravity phenomenology at the dawn of the multi-messenger eraâ€”A review. Progress in Particle and Nuclear Physics, 2022, 125, 103948.	5.6	175
33	Cosmography of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>f</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>R</mml:mi><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 172 Td (stretchy="false"	1.6	169
34	Hamiltonian dynamics and Noether symmetries in Extended Gravity Cosmology. European Physical Journal C, 2012, 72, 1.	1.4	165
35	Spherical symmetry in f (R)-gravity. Classical and Quantum Gravity, 2008, 25, 085004.	1.5	162
36	NÃ¶ther symmetries in cosmology. Rivista Del Nuovo Cimento, 1996, 19, 1-114.	2.0	157

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37	Wormholes supported by hybrid metric-Palatini gravity. Physical Review D, 2012, 86, .	1.6	155
38	A timeâ€“luminosity correlation for Î³-ray bursts in the X-rays. Monthly Notices of the Royal Astronomical Society: Letters, 2008, 391, L79-L83.	1.2	152
39	Quantum tests of the Einstein Equivalence Principle with the STEâ€“QUEST space mission. Advances in Space Research, 2015, 55, 501-524.	1.2	151
40	f(R) cosmology from Noetherâ€™s symmetry. Journal of Cosmology and Astroparticle Physics, 2008, 2008, 016.	1.9	148
41	Hybrid Metric-Palatini Gravity. Universe, 2015, 1, 199-238.	0.9	147
42	The landscape beyond Einstein gravity. , 2011, , 59-106.		145
43	Jeans analysis of self-gravitating systems in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>f</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>R</mml:mi><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 492 Td (stretchy="false")	1.6	141
44	Supermassive boson star at the galactic center?. Physical Review D, 2000, 62, .	1.6	140
45	New Schwarzschild-like solutions in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>f</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>T</mml:mi><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 417 Td (stretchy="false") 2014, 89, .	1.6	140
46	Exact charged black-hole solutions in D-dimensional f (T) gravity: torsion vs curvature analysis. Journal of High Energy Physics, 2013, 2013, 1.	1.6	139
47	Parametrized post-Newtonian limit of fourth order gravity inspired by scalar-tensor gravity. Physical Review D, 2005, 72, .	1.6	136
48	The THESEUS space mission concept: science case, design and expected performances. Advances in Space Research, 2018, 62, 191-244.	1.2	133
49	Noether symmetry approach in f(T,ÂB) teleparallel cosmology. European Physical Journal C, 2017, 77, 107.	1.4	132
50	Generalized energy conditions in extended theories of gravity. Physical Review D, 2015, 91, .	1.6	131
51	Energy conditions in modified gravity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 730, 280-283.	1.5	128
52	Beyond Einstein Gravity. , 2011, , .		128
53	Cosmographic bounds on the cosmological deceleration-acceleration transition redshift in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>f</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi) Tj ETQq1 1 0.784314 rgBT /Ove	1.8	125
54	Massive gravitational waves from <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi>f</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>R</mml:mi><mml:mo stretchy="false">)</mml:mo></mml:math> theories of gravity: Potential detection with LISA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 669, 255-259.	1.5	122

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55	Accelerating cosmologies from non-local higher-derivative gravity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 671, 193-198.	1.5	118
56	Nonperturbative models of quark stars in f (R) gravity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 742, 160-166.	1.5	118
57	Noether symmetries and analytical solutions in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>f</mml:mi><mml:mo mathvariant="bold" stretchy="false">(</mml:mo><mml:mi>T</mml:mi><mml:mo mathvariant="bold") Tj ETQq1 1 0.784314 rgBT /Ov	1.6	116
58	Transition redshift in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>f</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>T</mml:mi><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 617 Td (stretchy="false">)</mml:mo><mml:mo Physical Review D, 2015, 91, .	1.6	114
59	The role of energy conditions in f(R) cosmology. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 99-106.	1.5	113
60	Nonminimal Derivative Coupling and the Recovering of Cosmological Constant. General Relativity and Gravitation, 1999, 31, 1005-1014.	0.7	112
61	No further gravitational wave modes in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi>F</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>T</mml:mi><mml:mo stretchy="false">)</mml:mo></mml:math> gravity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 194-198.	1.5	111
62	Nonminimal Derivative Couplings and Inflation in Generalized Theories of Gravity. Annalen Der Physik, 2000, 9, 39-48.	0.9	110
63	Dark energy from modified gravity with Lagrange multipliers. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 693, 198-208.	1.5	110
64	Cosmological perfect-fluids in f(R) gravity. International Journal of Geometric Methods in Modern Physics, 2019, 16, 1950008.	0.8	110
65	Modelling clusters of galaxies byf(R) gravity. Monthly Notices of the Royal Astronomical Society, 2009, 394, 947-959.	1.6	109
66	DISCOVERY OF A TIGHT CORRELATION FOR GAMMA-RAY BURST AFTERGLOWS WITH â€œCANONICALâ€•LIGHT CURVES. Astrophysical Journal Letters, 2010, 722, L215-L219.	3.0	104
67	Physical non-equivalence of the Jordan and Einstein frames. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 689, 117-121.	1.5	104
68	Axially symmetric solutions in f (R)-gravity. Classical and Quantum Gravity, 2010, 27, 165008.	1.5	104
69	Classifying and avoiding singularities in the alternative gravity dark energy models. Physical Review D, 2009, 79, .	1.6	103
70	Cosmographic analysis with Chebyshev polynomials. Monthly Notices of the Royal Astronomical Society, 2018, 476, 3924-3938.	1.6	103
71	Precision cosmology with PadÃ© rational approximations: Theoretical predictions versus observational limits. Physical Review D, 2014, 90, .	1.6	100
72	Model-independent constraints on dark energy evolution from low-redshift observations. Monthly Notices of the Royal Astronomical Society, 2019, 484, 4484-4494.	1.6	100

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73	Massive, massless and ghost modes of gravitational waves from higher-order gravity. Astroparticle Physics, 2010, 34, 236-244.	1.9	97
74	Extended gravity description for the GW190814 supermassive neutron star. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 811, 135910.	1.5	96
75	An updated gamma-ray bursts Hubble diagram. Monthly Notices of the Royal Astronomical Society, 2009, 400, 775-790.	1.6	95
76	Some aspects of the cosmological conformal equivalence between the `Jordan frame' and the `Einstein frame'. Classical and Quantum Gravity, 1997, 14, 3243-3258.	1.5	93
77	Higher-Order Corrections to the Effective Gravitational Action from Noether Symmetry Approach. General Relativity and Gravitation, 2000, 32, 295-311.	0.7	93
78	Cosmographic Constraints and Cosmic Fluids. Galaxies, 2013, 1, 216-260.	1.1	93
79	Dark energy and dust matter phases from an exact <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi>f</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>R</mml:mi><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 492 Td (stretchy="false"). Elementary Particle and High-Energy Physics, 2008, 664, 12-15.	1.5	92
80	SECOND ORDER SCALAR INVARIANTS OF THE RIEMANN TENSOR: APPLICATIONS TO BLACK HOLE SPACETIMES. International Journal of Modern Physics D, 2002, 11, 827-841.	0.9	90
81	Can higher order curvature theories explain rotation curves ofÂgalaxies?. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 326, 292-296.	0.9	90
82	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
83	NÃ¶ther's symmetries and exact solutions in flat non-minimally coupled cosmological models. Classical and Quantum Gravity, 1994, 11, 107-117.	1.5	89
84	Noether symmetry approach in phantom quintessence cosmology. Physical Review D, 2009, 80, .	1.6	89
85	Cosmology of hybrid metric-Palatinif(X)-gravity. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 011-011.	1.9	89
86	Relation between the potential and nonminimal coupling in inflationary cosmology. Physics Letters, Section A: General, Atomic and Solid State Physics, 1993, 177, 1-7.	0.9	87
87	f (R) gravity with torsion: the metric-affine approach. Classical and Quantum Gravity, 2007, 24, 6417-6430.	1.5	85
88	Bouncing cosmology in f(Q) symmetric teleparallel gravity. European Physical Journal Plus, 2020, 135, 1.	1.2	85
89	High-redshift cosmography: auxiliary variables versus PadÃ© polynomials. Monthly Notices of the Royal Astronomical Society, 2020, 494, 2576-2590.	1.6	85
90	Geometric classification of the torsion tensor of space-time. Annalen Der Physik, 2001, 10, 713-727.	0.9	83

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91	Selection Rules in Minisuperspace Quantum Cosmology. General Relativity and Gravitation, 2000, 32, 673-696.	0.7	82
92	Neutrino mixing contribution to the cosmological constant. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 323, 182-189.	0.9	82
93	Reconstruction of the scalarâ€“tensor Lagrangian from a Î›CDM background and Noether symmetry. Journal of Cosmology and Astroparticle Physics, 2007, 2007, 009-009.	1.9	82
94	The virial theorem and the dark matter problem in hybrid metric-Palatini gravity. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 024-024.	1.9	81
95	Cosmography by gamma ray bursts. Astronomy and Astrophysics, 2008, 490, 31-36.	2.1	80
96	Causal limit of neutron star maximum mass in f(R) gravity in view of GW190814. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 816, 136222.	1.5	80
97	Conformal aspects of the Palatini approach in Extended Theories of Gravity. General Relativity and Gravitation, 2006, 38, 33-60.	0.7	79
98	Scalar-tensor teleparallel wormholes by Noether symmetries. Physical Review D, 2016, 94, .	1.6	78
99	Charged spherically symmetric black holes in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>f</mml:mi><mml:mo mathvariant="bold" stretchy="false">(</mml:mo><mml:mi>R</mml:mi><mml:mo mathvariant="bold") Tj ETQq1 1 0.784314 rgBT /Over 99, .	1.7	78
100	Comprehensive cosmographic analysis by Markov chain method. Physical Review D, 2011, 84, .	1.6	77
101	Galactic rotation curves in hybrid metric-Palatini gravity. Astroparticle Physics, 2013, 50-52, 65-75.	1.9	77
102	Noether symmetry approach in Gaussâ€“Bonnet cosmology. Modern Physics Letters A, 2014, 29, 1450164.	0.5	77
103	Cosmological dynamics of scalarâ€“tensor gravity. Classical and Quantum Gravity, 2008, 25, 035008.	1.5	76
104	Magnetic neutron stars in f(R) gravity. Astrophysics and Space Science, 2015, 355, 333-341.	0.5	76
105	NÃ¶ther Symmetries in Bianchi Universes. International Journal of Modern Physics D, 1997, 06, 491-503.	0.9	75
106	f(R) theories of gravity in the Palatini approach matched with observations. General Relativity and Gravitation, 2006, 38, 711-734.	0.7	75
107	SAGE: A proposal for a space atomic gravity explorer. European Physical Journal D, 2019, 73, 1.	0.6	75
108	The Cauchy problem for metric-affine f (R)-gravity in the presence of perfect-fluid matter. Classical and Quantum Gravity, 2009, 26, 175013.	1.5	72

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109	ON THE WELL-FORMULATION OF THE INITIAL VALUE PROBLEM OF METRIC-AFFINE f(R)-GRAVITY. International Journal of Geometric Methods in Modern Physics, 2009, 06, 985-1001.	0.8	71
110	Dark energy exponential potential models as curvature quintessence. Classical and Quantum Gravity, 2006, 23, 1205-1216.	1.5	70
111	Noether symmetries in symmetric teleparallel cosmology. European Physical Journal C, 2019, 79, 1.	1.4	70
112	New spherically symmetric solutions in f (R)-gravity by Noether symmetries. General Relativity and Gravitation, 2012, 44, 1881-1891.	0.7	69
113	Unified dark energy models: A phenomenological approach. Physical Review D, 2004, 69, .	1.6	67
114	Weak field limit and gravitational waves in f(T,ÂB) teleparallel gravity. European Physical Journal C, 2020, 80, 1.	1.4	67
115	f (R) gravity constrained by PPN parameters and stochastic background of gravitational waves. General Relativity and Gravitation, 2009, 41, 2313-2344.	0.7	66
116	FOURTH-ORDER GRAVITY AND EXPERIMENTAL CONSTRAINTS ON EDDINGTON PARAMETERS. Modern Physics Letters A, 2006, 21, 2291-2301.	0.5	65
117	Slope evolution of GRB correlations and cosmology. Monthly Notices of the Royal Astronomical Society, 2013, 436, 82-88.	1.6	65
118	Model-independent reconstruction of f(Q) non-metric gravity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 832, 137229.	1.5	65
119	Invariant solutions and Noether symmetries in hybrid gravity. Physical Review D, 2015, 91, .	1.6	64
120	Beyond the perfect fluid hypothesis for the dark energy equation of state. Physical Review D, 2006, 73, .	1.6	62
121	Cosmographic reconstruction of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>f</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 2 Physical Review D, 2013, 87, .	1.6	62
122	Constraining dark energy models using the lookback time to galaxy clusters and the age of the universe. Physical Review D, 2004, 70, .	1.6	61
123	Neutrino mixing as a source of dark energy. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 363, 53-56.	0.9	61
124	Constraining Æ'(R) Gravity by the Large-Scale Structure. Universe, 2015, 1, 123-157.	0.9	61
125	Noether symmetries in Gaussâ€"Bonnet-teleparallel cosmology. European Physical Journal C, 2016, 76, 629.	1.4	61
126	Anisotropic compact stars in f(R) gravity. European Physical Journal C, 2021, 81, 1.	1.4	61

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127	THE CAUCHY PROBLEM FOR METRIC-AFFINE f(R)-GRAVITY IN PRESENCE OF A KLEINâ€“GORDON SCALAR FIELD. International Journal of Geometric Methods in Modern Physics, 2011, 08, 167-176.	0.8	60
128	Exponential potentials for tracker fields. Physical Review D, 2004, 69, .	1.6	59
129	Constraining cosmological parameters by gamma-ray burst X-ray afterglow light curves. Monthly Notices of the Royal Astronomical Society, 2010, 408, 1181-1186.	1.6	58
130	Updated constraints on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>f</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (m cosmography. Physical Review D, 2013, 87, .	1.6	58
131	Noether symmetries as a geometric criterion to select theories of gravity. International Journal of Geometric Methods in Modern Physics, 2018, 15, 1840007.	0.8	57
132	A deep learning approach to cosmological dark energy models. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 008-008.	1.9	57
133	Quadrupolar gravitational radiation as a test-bed for f(R)-gravity. Astroparticle Physics, 2011, 35, 257-265.	1.9	56
134	Precision gravity tests and the Einstein Equivalence Principle. Progress in Particle and Nuclear Physics, 2020, 112, 103772.	5.6	56
135	SCALAR GRAVITATIONAL WAVES FROM SCALAR-TENSOR GRAVITY: PRODUCTION AND RESPONSE OF INTERFEROMETERS. International Journal of Modern Physics D, 2006, 15, 1119-1150.	0.9	55
136	Constraining f(T) teleparallel gravity by big bang nucleosynthesis. European Physical Journal C, 2017, 77, 576.	1.4	55
137	f(R) Cosmology with torsion. Physica Scripta, 2008, 78, 065010.	1.2	54
138	Dark energy and particle mixing. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 601-610.	0.9	54
139	Probing hybrid modified gravity by stellar motion around Galactic Center. Astroparticle Physics, 2016, 79, 41-48.	1.9	54
140	Gravitational lensing in fourth order gravity. Physical Review D, 2006, 73, .	1.6	53
141	STUDY OF POSSIBLE SYSTEMATICS IN THEL*_X-T*_aCORRELATION OF GAMMA-RAY BURSTS. Astrophysical Journal, 2011, 730, 135.	1.6	53
142	Cosmic acceleration from a single fluid description. Physics of the Dark Universe, 2018, 20, 1-12.	1.8	53
143	THE CAUCHY PROBLEM FOR f(R)-GRAVITY: AN OVERVIEW. International Journal of Geometric Methods in Modern Physics, 2012, 09, 1250006.	0.8	52
144	Constraining Van der Waals quintessence with observations. Journal of Cosmology and Astroparticle Physics, 2005, 2005, 005-005.	1.9	51

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145	Higher-order gravity and the cosmological background of gravitational waves. Astroparticle Physics, 2008, 29, 125-129.	1.9	51
146	Constraining generalized non-local cosmology from Noether symmetries. European Physical Journal C, 2017, 77, 722.	1.4	51
147	THE PHASE-SPACE VIEW OF INFLATION II: FOURTH-ORDER MODELS. International Journal of Modern Physics D, 1992, 01, 615-639.	0.9	50
148	A GENERAL SOLUTION IN THE NEWTONIAN LIMIT OF f(R)-GRAVITY. Modern Physics Letters A, 2009, 24, 659-665.	0.5	50
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