

Stefano Liberati

List of Publications by Year in descending order

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194
papers

9,489
citations

41323

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42364

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197
all docs

197
docs citations

197
times ranked

3978
citing authors

#	ARTICLE	IF	CITATIONS
1	Analogue Gravity. Living Reviews in Relativity, 2005, 8, 12.	8.2	753
2	Black holes, gravitational waves and fundamental physics: a roadmap. Classical and Quantum Gravity, 2019, 36, 143001.	1.5	451
3	Analogue Gravity. Living Reviews in Relativity, 2011, 14, 3.	8.2	435
4	Tests of Lorentz invariance: a 2013 update. Classical and Quantum Gravity, 2013, 30, 133001.	1.5	314
5	Lorentz violation at high energy: Concepts, phenomena, and astrophysical constraints. Annals of Physics, 2006, 321, 150-196.	1.0	308
6	Metric-affine $f(R)$ theories of gravity. Annals of Physics, 2007, 322, 935-966.	1.0	280
7	A strong astrophysical constraint on the violation of special relativity by quantum gravity. Nature, 2003, 424, 1019-1021.	13.7	224
8	Prospects for fundamental physics with LISA. General Relativity and Gravitation, 2020, 52, 1.	0.7	198
9	Planck-scale modified dispersion relations and Finsler geometry. Physical Review D, 2007, 75, .	1.6	191
10	Analogue gravity from Bose-Einstein condensates. Classical and Quantum Gravity, 2001, 18, 1137-1156.	1.5	190
11	Threshold effects and Planck scale Lorentz violation: Combined constraints from high energy astrophysics. Physical Review D, 2003, 67, .	1.6	181
12	Disformal invariance of second order scalar-tensor theories: Framing the Horndeski action. Physical Review D, 2013, 88, .	1.6	181
13	Quantum gravity phenomenology at the dawn of the multi-messenger era—A review. Progress in Particle and Nuclear Physics, 2022, 125, 103948.	5.6	175
14	Faster-than-c Signals, Special Relativity, and Causality. Annals of Physics, 2002, 298, 167-185.	1.0	161
15	TeV astrophysics constraints on Planck scale Lorentz violation. Physical Review D, 2002, 66, .	1.6	155
16	Fate of gravitational collapse in semiclassical gravity. Physical Review D, 2008, 77, .	1.6	148
17	New Limits on Planck Scale Lorentz Violation in QED. Physical Review Letters, 2004, 93, 021101.	2.9	147
18	Lorentz Violation: Motivation and New Constraints. Annual Review of Nuclear and Particle Science, 2009, 59, 245-267.	3.5	131

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19	Probing semiclassical analog gravity in Bose-Einstein condensates with widely tunable interactions. <i>Physical Review A</i> , 2003, 68, .	1.0	130
20	Phenomenological aspects of black holes beyond general relativity. <i>Physical Review D</i> , 2018, 98, .	1.6	125
21	On the viability of regular black holes. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	104
22	Nonequilibrium thermodynamics of spacetime: The role of gravitational dissipation. <i>Physical Review D</i> , 2010, 81, .	1.6	93
23	Analogue Models of and for Gravity. <i>General Relativity and Gravitation</i> , 2002, 34, 1719-1734.	0.7	91
24	THEORY OF GRAVITATION THEORIES: A NO-PROGRESS REPORT. <i>International Journal of Modern Physics D</i> , 2008, 17, 399-423.	0.9	89
25	Analogue gravity from field theory normal modes?. <i>Classical and Quantum Gravity</i> , 2001, 18, 3595-3610.	1.5	84
26	Nonequivalence of equivalence principles. <i>American Journal of Physics</i> , 2015, 83, 39-46.	0.3	80
27	A novel family of rotating black hole mimickers. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 082.	1.9	79
28	Towards the Observation of Hawking Radiation in Bose-Einstein Condensates. <i>International Journal of Modern Physics A</i> , 2003, 18, 3735-3745.	0.5	78
29	Relativistic Bose-Einstein condensates: a new system for analogue models of gravity. <i>New Journal of Physics</i> , 2010, 12, 095012.	1.2	77
30	Unexpectedly large surface gravities for acoustic horizons?. <i>Classical and Quantum Gravity</i> , 2000, 17, 2903-2923.	1.5	74
31	The dynamics of metric-affine gravity. <i>Annals of Physics</i> , 2011, 326, 1259-1273.	1.0	74
32	Geodesically complete black holes. <i>Physical Review D</i> , 2020, 101, .	1.6	73
33	Minimal conditions for the existence of a Hawking-like flux. <i>Physical Review D</i> , 2011, 83, .	1.6	72
34	EINSTEIN GRAVITY AS AN EMERGENT PHENOMENON?. <i>International Journal of Modern Physics D</i> , 2001, 10, 799-806.	0.9	71
35	High-redshift cosmography. <i>Journal of Cosmology and Astroparticle Physics</i> , 2010, 2010, 005-005.	1.9	71
36	Geometrodynamics of variable-speed-of-light cosmologies. <i>Physical Review D</i> , 2000, 62, .	1.6	66

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37	Geometric reheating after inflation. <i>Physical Review D</i> , 1998, 58, .	1.6	65
38	Superluminal censorship. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2000, 88, 267-270.	0.5	64
39	Hawking-like radiation from evolving black holes and compact horizonless objects. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	1.6	63
40	Charged black-bounce spacetimes. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 036.	1.9	63
41	Hawking-Like Radiation Does Not Require a Trapped Region. <i>Physical Review Letters</i> , 2006, 97, 171301.	2.9	61
42	Searching for traces of Planck-scale physics with high energy neutrinos. <i>Physical Review D</i> , 2015, 91, .	1.6	61
43	Causal structure of analogue spacetimes. <i>New Journal of Physics</i> , 2004, 6, 186-186.	1.2	60
44	Naturalness in an Emergent Analogue Spacetime. <i>Physical Review Letters</i> , 2006, 96, 151301.	2.9	59
45	New constraints on Planck-scale Lorentz violation in QED from the Crab Nebula. <i>Journal of Cosmology and Astroparticle Physics</i> , 2007, 2007, 013-013.	1.9	58
46	Planck-scale Lorentz violation constrained by Ultra-High-Energy Cosmic Rays. <i>Journal of Cosmology and Astroparticle Physics</i> , 2009, 2009, 022-022.	1.9	55
47	ANALOGUE MODELS FOR FRW COSMOLOGIES. <i>International Journal of Modern Physics D</i> , 2003, 12, 1641-1649.	0.9	54
48	Realization of doubly special relativistic symmetries in Finsler geometries. <i>Physical Review D</i> , 2014, 90, .	1.6	53
49	Ray tracing Einstein-Ätther black holes: Universal versus Killing horizons. <i>Physical Review D</i> , 2014, 89, .	1.6	52
50	Cosmography beyond standard candles and rulers. <i>Physical Review D</i> , 2012, 85, .	1.6	50
51	Nonlocal scalar quantum field theory from causal sets. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	48
52	Opening the Pandoraâ€™s box at the core of black holes. <i>Classical and Quantum Gravity</i> , 2020, 37, 145005.	1.5	47
53	Surface gravities for non-Killing horizons. <i>Classical and Quantum Gravity</i> , 2013, 30, 125001.	1.5	46
54	GZK photon constraints on Planck-scale Lorentz violation in QED. <i>Journal of Cosmology and Astroparticle Physics</i> , 2008, 2008, 027.	1.9	45

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55	Scale Hierarchy in Hořava-Lifshitz Gravity: Strong Constraint from Synchrotron Radiation in the Crab Nebula. <i>Physical Review Letters</i> , 2012, 109, 151602.	2.9	43
56	Dark matter as a Bose-Einstein Condensate: the relativistic non-minimally coupled case. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 004-004.	1.9	43
57	Inner horizon instability and the unstable cores of regular black holes. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	43
58	Nonthermal nature of incipient extremal black holes. <i>Physical Review D</i> , 2000, 62, .	1.6	42
59	Cosmological singularity resolution from quantum gravity: The emergent-bouncing universe. <i>Physical Review D</i> , 2017, 96, .	1.6	42
60	Analogue quantum gravity phenomenology from a two-component Bose-Einstein condensate. <i>Classical and Quantum Gravity</i> , 2006, 23, 3129-3154.	1.5	41
61	Testing Quantum Gravity Induced Nonlocality via Optomechanical Quantum Oscillators. <i>Physical Review Letters</i> , 2016, 116, 161303.	2.9	41
62	Threshold configurations in the presence of Lorentz violating dispersion relations. <i>Physical Review D</i> , 2003, 67, .	1.6	40
63	Refringence, field theory and normal modes. <i>Classical and Quantum Gravity</i> , 2002, 19, 2961-2982.	1.5	39
64	Quasi-particle creation by analogue black holes. <i>Classical and Quantum Gravity</i> , 2006, 23, 5341-5366.	1.5	39
65	The metric-affine formalism off(R) gravity. <i>Journal of Physics: Conference Series</i> , 2007, 68, 012022.	0.3	39
66	$\hat{\rho}^3$ -ray polarization constraints on Planck scale violations of special relativity. <i>Physical Review D</i> , 2008, 78, .	1.6	39
67	Dynamics of generalized Palatini theories of gravity. <i>Physical Review D</i> , 2010, 82, .	1.6	39
68	Entropy and topology for gravitational instantons. <i>Physical Review D</i> , 1997, 56, 6458-6466.	1.6	38
69	Reconciling MOND and dark matter?. <i>Journal of Cosmology and Astroparticle Physics</i> , 2009, 2009, 021-021.	1.9	38
70	Gedanken experiments on nearly extremal black holes and the third law. <i>Physical Review D</i> , 2010, 82, .	1.6	37
71	Extended $\hat{\rho}$ CDM: generalized non-minimal coupling for dark matter fluids. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 007-007.	1.9	37
72	Quantum vacuum radiation in optical glass. <i>Physical Review D</i> , 2012, 85, .	1.6	37

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73	Interpreting doubly special relativity as a modified theory of measurement. <i>Physical Review D</i> , 2005, 71, .	1.6	35
74	Deformed special relativity as an effective theory of measurements on quantum gravitational backgrounds. <i>Physical Review D</i> , 2006, 73, .	1.6	35
75	Possible cosmogenic neutrino constraints on Planck-scale Lorentz violation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2010, 2010, 007-007.	1.9	35
76	Analogue cosmological particle creation: Quantum correlations in expanding Bose-Einstein condensates. <i>Physical Review D</i> , 2010, 82, .	1.6	35
77	Rotating black holes in a draining bathtub: Superradiant scattering of gravity waves. <i>Physical Review D</i> , 2015, 91, .	1.6	35
78	Divergence problem in the black hole brick-wall model. <i>Physical Review D</i> , 1996, 53, 3172-3177.	1.6	34
79	Black Stars, Not Holes. <i>Scientific American</i> , 2009, 301, 38-45.	1.0	33
80	Cosmological Constant: A Lesson from Bose-Einstein Condensates. <i>Physical Review Letters</i> , 2012, 108, 071101.	2.9	33
81	The black hole quantum atmosphere. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 774, 308-316.	1.5	30
82	Non-minimally coupled dark matter: effective pressure and structure formation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012, 2012, 027-027.	1.9	28
83	Sonoluminescence as a QED vacuum effect. I. The physical scenario. <i>Physical Review D</i> , 2000, 61, .	1.6	27
84	Gravitational dynamics in Bose-Einstein condensates. <i>Physical Review D</i> , 2008, 78, .	1.6	27
85	Scalar perturbations around rotating regular black holes and wormholes: Quasinormal modes, ergoregion instability, and superradiance. <i>Physical Review D</i> , 2022, 105, .	1.6	27
86	Ultrahigh-Energy Photons as Probes of Lorentz Symmetry Violations in Stringy Space-Time Foam Models. <i>Physical Review Letters</i> , 2010, 105, 021101.	2.9	26
87	Astrophysical Constraints on Planck Scale Dissipative Phenomena. <i>Physical Review Letters</i> , 2014, 112, 151301.	2.9	26
88	Modified dispersion relations from the renormalization group of gravity. <i>Classical and Quantum Gravity</i> , 2007, 24, 3995-4008.	1.5	25
89	Semiclassical instability of dynamical warp drives. <i>Physical Review D</i> , 2009, 79, .	1.6	25
90	Emergence of Lorentzian signature and scalar gravity. <i>Physical Review D</i> , 2009, 79, .	1.6	25

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91	Deformed relativity symmetries and the local structure of spacetime. <i>Physical Review D</i> , 2017, 95, .	1.6	25
92	Spacetime thermodynamics in the presence of torsion. <i>Physical Review D</i> , 2017, 96, .	1.6	25
93	Smarr formula for Lovelock black holes: A Lagrangian approach. <i>Physical Review D</i> , 2016, 93, .	1.6	24
94	Astrophysical Bounds on Planck Suppressed Lorentz Violation. , 0, , 101-130.		23
95	Reversible and irreversible spacetime thermodynamics for general Brans-Dicke theories. <i>Physical Review D</i> , 2011, 83, .	1.6	23
96	Higher curvature gravity and the holographic fluid dual to flat spacetime. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	1.6	23
97	Phenomenological consequences of a geometry in the cotangent bundle. <i>Physical Review D</i> , 2020, 101, .	1.6	23
98	Minimally modified theories of gravity: a playground for testing the uniqueness of general relativity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 026-026.	1.9	22
99	Super-radiant scattering of dispersive fields. <i>Classical and Quantum Gravity</i> , 2013, 30, 085009.	1.5	21
100	On black hole temperature in Horndeski gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 812, 136002.	1.5	21
101	Sonoluminescence: Bogolubov Coefficients for the QED Vacuum of a Time-Dependent Dielectric Bubble. <i>Physical Review Letters</i> , 1999, 83, 678-681.	2.9	20
102	Scharnhorst effect at oblique incidence. <i>Physical Review D</i> , 2001, 63, .	1.6	20
103	Small, dark, and heavy: But is it a black hole?. , 2009, , .		20
104	Analogue model for quantum gravity phenomenology. <i>Journal of Physics A</i> , 2006, 39, 6807-6813.	1.6	19
105	Quantum Gravity phenomenology: achievements and challenges. <i>Journal of Physics: Conference Series</i> , 2011, 314, 012007.	0.3	19
106	Higher-order theories of gravity: diagnosis, extraction and reformulation via non-metric extra degrees of freedom—a review. <i>Reports on Progress in Physics</i> , 2018, 81, 036001.	8.1	19
107	Dynamics of non-minimally coupled perfect fluids. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 023-023.	1.9	18
108	Sonoluminescence as a QED vacuum effect: probing Schwinger's proposal. <i>Journal of Physics A</i> , 2000, 33, 2251-2272.	1.6	17

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109	Quantum Gravity Phenomenology and Lorentz Violation. , 2005, , 83-98.		17
110	Analogue Space-time Based on 2-Component Bose-Einstein Condensates. , 2007, , 115-163.		17
111	Violations of Lorentz invariance in the neutrino sector: an improved analysis of anomalous threshold constraints. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 039-039.	1.9	17
112	Rotating black hole solutions in relativistic analogue gravity. Physical Review D, 2017, 96, .	1.6	17
113	Sonoluminescence as a QED vacuum effect. II. Finite volume effects. Physical Review D, 2000, 61, .	1.6	16
114	Black hole quantum atmosphere for freely falling observers. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134828.	1.5	16
115	Superradiance in Kerr-like black holes. Physical Review D, 2021, 103, .	1.6	16
116	Modified special relativity on a fluctuating spacetime. Physical Review D, 2006, 74, .	1.6	15
117	Dynamical apparent horizons in inhomogeneous Brans-Dicke universes. Physical Review D, 2012, 86, .	1.6	15
118	The Information Loss Problem: An Analogue Gravity Perspective. Entropy, 2019, 21, 940.	1.1	15
119	Sonoluminescence: two-photon correlations as a test of thermality. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 271, 308-313.	0.9	14
120	Emergent gravitational dynamics in a relativistic Bose-Einstein condensate. Physical Review D, 2014, 90, .	1.6	14
121	AdS and dS black hole solutions in analogue gravity: The relativistic and nonrelativistic cases. Physical Review D, 2016, 94, .	1.6	13
122	Geometric Baryogenesis from Shift Symmetry. Physical Review Letters, 2017, 118, 131101.	2.9	13
123	Improved derivation of the Smarr formula for Lorentz-breaking gravity. Physical Review D, 2017, 95, .	1.6	13
124	Constraints on the deformation scale of a geometry in the cotangent bundle. Physical Review D, 2020, 102, .	1.6	13
125	EXTREMAL BLACK HOLES AND THE LIMITS OF THE THIRD LAW. International Journal of Modern Physics D, 2001, 10, 33-39.	0.9	12
126	Modelling Planck-scale Lorentz violation via analogue models. Journal of Physics: Conference Series, 2006, 33, 373-385.	0.3	12

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127	First law of black holes with a universal horizon. <i>Physical Review D</i> , 2017, 96, .	1.6	12
128	Towards a geometrical interpretation of rainbow geometries. <i>Classical and Quantum Gravity</i> , 2021, 38, 135028.	1.5	12
129	Geodesically complete black holes in Lorentz-violating gravity. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	1.6	12
130	Perturbative superluminal censorship and the null energy condition. , 1999, , .		11
131	Emergent Gravitational Dynamics in Bose-Einstein Condensates. , 2009, , .		11
132	Tests of quantum-gravity-induced nonlocality via optomechanical experiments. <i>Physical Review D</i> , 2017, 95, .	1.6	11
133	Hawking radiation from universal horizons. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	11
134	Impossibility of superluminal travel in Lorentz violating theories. <i>Physical Review D</i> , 2012, 85, .	1.6	10
135	Higher derivative gravity: Field equation as the equation of state. <i>Physical Review D</i> , 2016, 94, .	1.6	10
136	Analogue black holes in relativistic BECs: Mimicking Killing and universal horizons. <i>Physical Review D</i> , 2016, 94, .	1.6	10
137	Vorticity in analogue spacetimes. <i>Physical Review D</i> , 2019, 99, .	1.6	10
138	On the Inner Horizon Instability of Non-Singular Black Holes. <i>Universe</i> , 2022, 8, 204.	0.9	10
139	Weak equivalence principle for self-gravitating bodies: A sieve for purely metric theories of gravity. <i>Physical Review D</i> , 2014, 89, .	1.6	9
140	Lorentz symmetry breaking: phenomenology and constraints. <i>Journal of Physics: Conference Series</i> , 2015, 631, 012011.	0.3	9
141	Towards a Gordon form of the Kerr spacetime. <i>Classical and Quantum Gravity</i> , 2018, 35, 155004.	1.5	9
142	Electromagnetic tests of horizonless rotating black hole mimickers. <i>Physical Review D</i> , 2021, 103, .	1.6	9
143	Analogue gravity models of emergent gravity: lessons and pitfalls. <i>Journal of Physics: Conference Series</i> , 2017, 880, 012009.	0.3	9
144	Black Hole Thermodynamics, Casimir Effect and Induced Gravity. <i>General Relativity and Gravitation</i> , 1997, 29, 1181-1194.	0.7	8

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145	Revisiting the semiclassical gravity scenario for gravitational collapse. , 2009, , .		8
146	Universal viscosity to entropy density ratio from entanglement. Physical Review D, 2010, 82, .	1.6	8
147	Lorentz violation naturalness revisited. Journal of High Energy Physics, 2016, 2016, 1.	1.6	8
148	On the entanglement entropy of quantum fields in causal sets. Classical and Quantum Gravity, 2018, 35, 074002.	1.5	8
149	Gravitoelectromagnetism in metric $f(R)$ and Brans-Dicke theories with a potential. General Relativity and Gravitation, 2019, 51, 1.	0.7	8
150	Generalized no-hair theorems without horizons. Classical and Quantum Gravity, 2019, 36, 13LT01.	1.5	8
151	Back-Reaction in Canonical Analogue Black Holes. Applied Sciences (Switzerland), 2020, 10, 8868.	1.3	8
152	HIGH ENERGY CONSTRAINTS ON LORENTZ SYMMETRY VIOLATIONS. , 2002, , .		8
153	Variable-speed-of-light cosmologies. Nuclear Physics, Section B, Proceedings Supplements, 2000, 88, 259-262.	0.5	7
154	Field equations from a surface term. Physical Review D, 2006, 74, .	1.6	7
155	Averaging inhomogeneities in scalar-tensor cosmology. Classical and Quantum Gravity, 2009, 26, 215005.	1.5	7
156	Between Quantum and Classical Gravity: Is There a Mesoscopic Spacetime?. Foundations of Physics, 2015, 45, 171-176.	0.6	7
157	Causal hierarchy in modified gravity. Journal of High Energy Physics, 2020, 2020, 1.	1.6	7
158	Testing non-minimally coupled BEC dark matter with gravitational waves. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 065-065.	1.9	7
159	Linking the trans-Planckian and information loss problems in black hole physics. General Relativity and Gravitation, 2010, 42, 1139-1152.	0.7	6
160	Tests of quantum gravity-induced non-locality: Hamiltonian formulation of a non-local harmonic oscillator. Classical and Quantum Gravity, 2019, 36, 155006.	1.5	6
161	Self-gravitating Equilibria of Non-minimally Coupled Dark Matter Halos. Astrophysical Journal, 2021, 910, 76.	1.6	6
162	Hearts of Darkness: The inside out probing of black holes. International Journal of Modern Physics D, 2021, 30, .	0.9	6

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163	Real decoupling ghost quantization of the CGHS model for two-dimensional black holes. Physical Review D, 1995, 51, 1710-1715.	1.6	5
164	Is the Notion of Time Really Fundamental?. Symmetry, 2011, 3, 389-401.	1.1	5
165	Vorticity in analog gravity. Classical and Quantum Gravity, 2016, 33, 125009.	1.5	5
166	Raychaudhuri equations and gravitational collapse in Einstein-Cartan theory. Physical Review D, 2021, 104, .	1.6	5
167	Black Hole Surface Gravity in Doubly Special Relativity Geometries. Universe, 2022, 8, 136.	0.9	5
168	Empirical Evidence of Nonminimally Coupled Dark Matter in the Dynamics of Local Spiral Galaxies?. Astrophysical Journal, 2022, 929, 48.	1.6	5
169	Time orientability and particle production from universal horizons. Physical Review D, 2022, 105, .	1.6	5
170	Phenomenology of effective geometries from quantum gravity. Physical Review D, 2015, 92, .	1.6	4
171	Transmission of information in nonlocal field theories. Physical Review D, 2017, 96, .	1.6	4
172	Lorentz Breaking Effective Field Theory and Observational Tests. Lecture Notes in Physics, 2013, , 297-342.	0.3	4
173	ACOUSTICS IN BOSE-EINSTEIN CONDENSATES AS AN EXAMPLE OF BROKEN LORENTZ SYMMETRY. , 2002, , .		4
174	Non-perturbative results for the luminosity and area distances. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 040-040.	1.9	3
175	The gyroscopic frequency of metric $f(R)$ and generalised Brans-Dicke theories: constraints from Gravity Probe-B. General Relativity and Gravitation, 2019, 51, 1.	0.7	2
176	Theory of a quantum noncanonical field in curved spacetimes. Physical Review D, 2009, 80, .	1.6	1
177	Superluminal warp drives are semiclassically unstable. Journal of Physics: Conference Series, 2010, 222, 012046.	0.3	1
178	Lorentz Breaking Effective Field Theory Models for Matter and Gravity: Theory and Observational Constraints. , 2016, , 367-417.		1
179	Perturbative treatment of the luminosity distance. Physical Review D, 2018, 98, .	1.6	1
180	Degenerate Hořava gravity. Classical and Quantum Gravity, 2021, 38, 105007.	1.5	1

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181	HIGH- <i>Z</i> COSMOGRAPHY AT A GLANCE. , 2015, , .		1
182	Exploring black hole mechanics in cotangent bundle geometries. International Journal of Geometric Methods in Modern Physics, 0, , .	0.8	1
183	Reply to "Can gravitational dynamics be obtained by diffeomorphism invariance of action?" Physical Review D, 2007, 75, .	1.6	0
184	ULTRA-HIGH-ENERGY COSMIC RAYS AND PLANCK-SUPPRESSED LORENTZ INVARIANCE VIOLATION. International Journal of Modern Physics D, 2009, 18, 1621-1625.	0.9	0
185	Semiclassical instability of warp drives. Journal of Physics: Conference Series, 2010, 229, 012018.	0.3	0
186	Routes towards emergent gravity. Journal of Physics: Conference Series, 2010, 222, 012050.	0.3	0
187	Dissipation in non-equilibrium spacetime thermodynamics. Journal of Physics: Conference Series, 2010, 222, 012013.	0.3	0
188	Non-equilibrium Spacetime Thermodynamics, Entanglement viscosity and KSS bound. Journal of Physics: Conference Series, 2011, 314, 012033.	0.3	0
189	Hydrodynamics and viscosity in the Rindler spacetime. , 2012, , .		0
190	Quantum fields in curved spacetime, semiclassical gravity, quantum gravity phenomenology, and analogue models: parallel session D4. General Relativity and Gravitation, 2014, 46, 1.	0.7	0
191	APPARENT HORIZONS IN CLIFTON-MOTA-BARROW INHOMOGENEOUS UNIVERSE. , 2015, , .		0
192	Probing Faster than Light Travel and Chronology Protection with Superluminal Warp Drives. Fundamental Theories of Physics, 2017, , 281-300.	0.1	0
193	Quantum gravity phenomenology via Lorentz violations. , 2007, , .		0
194	SEMICLASSICAL WARP-DRIVE INSTABILITY. , 2012, , .		0