

# Carlo Rovelli

## List of Publications by Year in descending order

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232  
papers

15,466  
citations

26630

56  
h-index

24982

109  
g-index

247  
all docs

247  
docs citations

247  
times ranked

2837  
citing authors

#	ARTICLE	IF	CITATIONS
1	Discreteness of area and volume in quantum gravity. Nuclear Physics B, 1995, 442, 593-619.	2.5	916
2	Relational quantum mechanics. International Journal of Theoretical Physics, 1996, 35, 1637-1678.	1.2	692
3	Loop space representation of quantum general relativity. Nuclear Physics B, 1990, 331, 80-152.	2.5	612
4	Loop Quantum Gravity. Living Reviews in Relativity, 1998, 1, 1.	26.7	535
5	Black Hole Entropy from Loop Quantum Gravity. Physical Review Letters, 1996, 77, 3288-3291.	7.8	462
6	LQG vertex with finite Immirzi parameter. Nuclear Physics B, 2008, 799, 136-149.	2.5	421
7	Spin networks and quantum gravity. Physical Review D, 1995, 52, 5743-5759.	4.7	395
8	Knot Theory and Quantum Gravity. Physical Review Letters, 1988, 61, 1155-1158.	7.8	324
9	What is observable in classical and quantum gravity?. Classical and Quantum Gravity, 1991, 8, 297-316.	4.0	301
10	Weaving a classical metric with quantum threads. Physical Review Letters, 1992, 69, 237-240.	7.8	278
11	Time in quantum gravity: An hypothesis. Physical Review D, 1991, 43, 442-456.	4.7	275
12	Quantum mechanics without time: A model. Physical Review D, 1990, 42, 2638-2646.	4.7	225
13	Loop-Quantum-Gravity Vertex Amplitude. Physical Review Letters, 2007, 99, 161301.	7.8	224
14	Sum over surfaces form of loop quantum gravity. Physical Review D, 1997, 56, 3490-3508.	4.7	217
15	Partial observables. Physical Review D, 2002, 65, .	4.7	202
16	Loop Quantum Gravity. Living Reviews in Relativity, 2008, 11, 5.	26.7	183
17	Planck stars. International Journal of Modern Physics D, 2014, 23, 1442026.	2.1	178
18	Quantum-gravity effects outside the horizon spark black to white hole tunneling. Physical Review D, 2015, 92, .	4.7	166

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19	Barrett's Crane model from a Boulatov's Ooguri field theory over a homogeneous space. Nuclear Physics B, 2000, 574, 785-806.	2.5	165
20	Flipped spinfoam vertex and loop gravity. Nuclear Physics B, 2008, 798, 251-290.	2.5	162
21	The physical Hamiltonian in nonperturbative quantum gravity. Physical Review Letters, 1994, 72, 446-449.	7.8	155
22	Time of arrival in quantum mechanics. Physical Review A, 1996, 54, 4676-4690.	2.5	151
23	Physical effects of the Immirzi parameter in loop quantum gravity. Physical Review D, 2006, 73, .	4.7	144
24	Graviton Propagator from Background-Independent Quantum Gravity. Physical Review Letters, 2006, 97, 151301.	7.8	143
25	Graviton propagator in loop quantum gravity. Classical and Quantum Gravity, 2006, 23, 6989-7028.	4.0	142
26	Spacetime as a Feynman diagram: the connection formulation. Classical and Quantum Gravity, 2001, 18, 121-140.	4.0	140
27	Relational EPR. Foundations of Physics, 2007, 37, 427-445.	1.3	124
28	Immirzi parameter in quantum general relativity. Physical Review D, 1998, 57, 1009-1014.	4.7	121
29	Geometry eigenvalues and the scalar product from recoupling theory in loop quantum gravity. Physical Review D, 1996, 54, 2664-2690.	4.7	117
30	Why science needs philosophy. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3948-3952.	7.1	115
31	Complete LQG propagator: Difficulties with the Barrett-Crane vertex. Physical Review D, 2007, 76, .	4.7	111
32	Towards spinfoam cosmology. Physical Review D, 2010, 82, .	4.7	107
33	On the possibility of laboratory evidence for quantum superposition of geometries. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 792, 64-68.	4.1	102
34	Reconcile Planck-scale discreteness and the Lorentz-Fitzgerald contraction. Physical Review D, 2003, 67, .	4.7	96
35	White holes as remnants: a surprising scenario for the end of a black hole. Classical and Quantum Gravity, 2018, 35, 225003.	4.0	93
36	How big is a black hole?. Physical Review D, 2015, 91, .	4.7	87

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37	On the effective metric of a Planck star. <i>General Relativity and Gravitation</i> , 2015, 47, 1.	2.0	86
38	Basis of the Ponzano-Regge-Turaev-Viro-Ooguri quantum-gravity model is the loop representation basis. <i>Physical Review D</i> , 1993, 48, 2702-2707.	4.7	85
39	QUANTUM GRAVITY. , 2007, , 1287-1329.		78
40	A spin foam model without bubble divergences. <i>Nuclear Physics B</i> , 2001, 599, 255-282.	2.5	74
41	Planck star tunneling time: An astrophysically relevant observable from background-free quantum gravity. <i>Physical Review D</i> , 2016, 94, .	4.7	74
42	Why Gauge?. <i>Foundations of Physics</i> , 2014, 44, 91-104.	1.3	73
43	GPS observables in general relativity. <i>Physical Review D</i> , 2002, 65, .	4.7	72
44	The complete spectrum of the area from recoupling theory in loop quantum gravity. <i>Classical and Quantum Gravity</i> , 1996, 13, 2921-2931.	4.0	71
45	Fast radio bursts and white hole signals. <i>Physical Review D</i> , 2014, 90, .	4.7	71
46	Stepping out of homogeneity in loop quantum cosmology. <i>Classical and Quantum Gravity</i> , 2008, 25, 225024.	4.0	70
47	Gravitons and loops. <i>Physical Review D</i> , 1991, 44, 1740-1755.	4.7	68
48	Diamond's temperature: Unruh effect for bounded trajectories and thermal time hypothesis. <i>Classical and Quantum Gravity</i> , 2003, 20, 4919-4931.	4.0	68
49	Complete LQG propagator. II. Asymptotic behavior of the vertex. <i>Physical Review D</i> , 2008, 77, .	4.7	65
50	Spin foam model for Lorentzian general relativity. <i>Physical Review D</i> , 2001, 63, .	4.7	64
51	Particle Scattering in Loop Quantum Gravity. <i>Physical Review Letters</i> , 2005, 95, 191301.	7.8	64
52	Why are the effective equations of loop quantum cosmology so accurate?. <i>Physical Review D</i> , 2014, 90, .	4.7	63
53	A new look at loop quantum gravity. <i>Classical and Quantum Gravity</i> , 2011, 28, 114005.	4.0	62
54	General Relativity in Terms of Dirac Eigenvalues. <i>Physical Review Letters</i> , 1997, 78, 3051-3054.	7.8	59

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55	Projector on physical states in loop quantum gravity. <i>Physical Review D</i> , 1999, 59, .	4.7	59
56	Non-Gaussianity as a Signature of a Quantum Theory of Gravity. <i>PRX Quantum</i> , 2021, 2, .	9.2	59
57	“Forget time”. <i>Foundations of Physics</i> , 2011, 41, 1475-1490.	1.3	58
58	Separable Hilbert space in loop quantum gravity. <i>Journal of Mathematical Physics</i> , 2004, 45, 2802-2814.	1.1	57
59	Lorentz covariance of loop quantum gravity. <i>Physical Review D</i> , 2011, 83, .	4.7	57
60	Planck star phenomenology. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 739, 405-409.	4.1	57
61	Geometry of loop quantum gravity on a graph. <i>Physical Review D</i> , 2010, 82, .	4.7	56
62	A generally covariant quantum field theory and a prediction on quantum measurements of geometry. <i>Nuclear Physics B</i> , 1993, 405, 797-815.	2.5	54
63	Spectra of length and area in $(2+1)$ Lorentzian loop quantum gravity. <i>Classical and Quantum Gravity</i> , 2003, 20, 1463-1478.	4.0	54
64	“Space is blue and birds fly through it”. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170312.	3.4	54
65	Evolution and Revolution. <i>Rationality and Society</i> , 1995, 7, 201-224.	1.1	51
66	Loop quantum gravity: the first 25 years. <i>Classical and Quantum Gravity</i> , 2011, 28, 153002.	4.0	51
67	Perturbative Finiteness in Spin-Foam Quantum Gravity. <i>Physical Review Letters</i> , 2001, 87, .	7.8	50
68	A generalized Hamiltonian constraint operator in loop quantum gravity and its simplest Euclidean matrix elements. <i>Classical and Quantum Gravity</i> , 2001, 18, 1593-1624.	4.0	50
69	Self-energy and vertex radiative corrections in LQG. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009, 682, 78-84.	4.1	49
70	Thermal time and Tolman’s “Ehrenfest effect: temperature as the speed of time”. <i>Classical and Quantum Gravity</i> , 2011, 28, 075007.	4.0	49
71	Spacetime states and covariant quantum theory. <i>Physical Review D</i> , 2002, 65, .	4.7	48
72	Fermions in quantum gravity. <i>Physical Review Letters</i> , 1994, 72, 3642-3645.	7.8	47

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73	Physics with nonperturbative quantum gravity: Radiation from a quantum black hole. <i>General Relativity and Gravitation</i> , 1996, 28, 1293-1299.	2.0	44
74	The face amplitude of spinfoam quantum gravity. <i>Classical and Quantum Gravity</i> , 2010, 27, 185009.	4.0	43
75	Generalized spinfoams. <i>Physical Review D</i> , 2011, 83, .	4.7	42
76	Quantum evolving constants. Reply to "Comment on `Time in quantum gravity: An hypothesis' ". <i>Physical Review D</i> , 1991, 44, 1339-1341.	4.7	40
77	Black Hole Entropy: Inside or Out?. <i>International Journal of Theoretical Physics</i> , 2005, 44, 1807-1837.	1.2	39
78	Evidence for Maximal Acceleration and Singularity Resolution in Covariant Loop Quantum Gravity. <i>Physical Review Letters</i> , 2013, 111, 091303.	7.8	39
79	Loop Quantum Gravity and the Meaning of Diffeomorphism Invariance. , 2000, , 277-324.		39
80	The century of the incomplete revolution: Searching for general relativistic quantum field theory. <i>Journal of Mathematical Physics</i> , 2000, 41, 3776-3800.	1.1	37
81	Small Black/White Hole Stability and Dark Matter. <i>Universe</i> , 2018, 4, 127.	2.5	37
82	Matrix elements of Thiemann's Hamiltonian constraint in loop quantum gravity. <i>Classical and Quantum Gravity</i> , 1997, 14, 2793-2823.	4.0	36
83	SL(2,R)model with two Hamiltonian constraints. <i>Physical Review D</i> , 1999, 60, .	4.7	36
84	A semiclassical tetrahedron. <i>Classical and Quantum Gravity</i> , 2006, 23, 5861-5870.	4.0	36
85	What is a particle?. <i>Classical and Quantum Gravity</i> , 2009, 26, 025002.	4.0	34
86	Cosmological constant in spinfoam cosmology. <i>Physical Review D</i> , 2011, 83, .	4.7	34
87	Outline of a generally covariant quantum field theory and a quantum theory of gravity. <i>Journal of Mathematical Physics</i> , 1995, 36, 6529-6547.	1.1	33
88	GRAVITONS AS EMBROIDERY ON THE WEAVE. <i>International Journal of Modern Physics D</i> , 1992, 01, 533-557.	2.1	32
89	Regularization of the Hamiltonian constraint compatible with the spinfoam dynamics. <i>Physical Review D</i> , 2010, 82, .	4.7	32
90	Relativistic quantum measurement. <i>Physical Review D</i> , 2002, 66, .	4.7	31

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91	Generalized lines of force as the gauge invariant degrees of freedom for general relativity and Yang-Mills theory. <i>Physical Review Letters</i> , 1992, 69, 1300-1303.	7.8	30
92	Loop space representation of quantum fermions and gravity. <i>Nuclear Physics B</i> , 1995, 451, 325-361.	2.5	30
93	Moduli space structure of knots with intersections. <i>Journal of Mathematical Physics</i> , 1996, 37, 3014-3021.	1.1	30
94	On the Statistical Mechanics of Life: Schrödinger Revisited. <i>Entropy</i> , 2019, 21, 1211.	2.2	30
95	Minkowski vacuum in background independent quantum gravity. <i>Physical Review D</i> , 2004, 69, .	4.7	29
96	Local spinfoam expansion in loop quantum cosmology. <i>Classical and Quantum Gravity</i> , 2011, 28, 025003.	4.0	29
97	Spacetime thermodynamics without hidden degrees of freedom. <i>Physical Review D</i> , 2014, 90, .	4.7	29
98	An Argument Against the Realistic Interpretation of the Wave Function. <i>Foundations of Physics</i> , 2016, 46, 1229-1237.	1.3	29
99	Physics Needs Philosophy. Philosophy Needs Physics. <i>Foundations of Physics</i> , 2018, 48, 481-491.	1.3	29
100	Gravitons from loops: non-perturbative loop-space quantum gravity contains the graviton-physics approximation. <i>Classical and Quantum Gravity</i> , 1994, 11, 1653-1676.	4.0	28
101	(3+1)-dimensional spin foam model of quantum gravity with spacelike and timelike components. <i>Physical Review D</i> , 2001, 64, .	4.7	28
102	LQG propagator: III. The new vertex. <i>Classical and Quantum Gravity</i> , 2009, 26, 215001.	4.0	28
103	Triangulated loop quantum cosmology: Bianchi IX universe and inhomogeneous perturbations. <i>Physical Review D</i> , 2010, 81, .	4.7	28
104	Spinfoam fermions. <i>Classical and Quantum Gravity</i> , 2013, 30, 235023.	4.0	28
105	Is Time's Arrow Perspectival?. , 0, , 285-296.		28
106	The physical boundary Hilbert space and volume operator in the Lorentzian new spin-foam theory. <i>Classical and Quantum Gravity</i> , 2010, 27, 205003.	4.0	27
107	The strange equation of quantum gravity. <i>Classical and Quantum Gravity</i> , 2015, 32, 124005.	4.0	27
108	General relativistic statistical mechanics. <i>Physical Review D</i> , 2013, 87, .	4.7	26

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109	On Hamiltonian systems with first-class constraints. <i>Journal of Mathematical Physics</i> , 1991, 32, 2739-2743.	1.1	25
110	On the spinfoam expansion in cosmology. <i>Classical and Quantum Gravity</i> , 2010, 27, 145005.	4.0	25
111	Aristotle's Physics: A Physicist's Look. <i>Journal of the American Philosophical Association</i> , 2015, 1, 23-40.	0.4	25
112	Is dark energy really a mystery?. <i>Nature</i> , 2010, 466, 321-322.	27.8	24
113	Divergences and orientation in spinfoams. <i>Classical and Quantum Gravity</i> , 2013, 30, 055009.	4.0	24
114	End of a black hole's evaporation. <i>Physical Review D</i> , 2021, 103, .	4.7	24
115	A DIALOG ON QUANTUM GRAVITY. <i>International Journal of Modern Physics D</i> , 2003, 12, 1509-1528.	2.1	23
116	Black holes in full quantum gravity. <i>Classical and Quantum Gravity</i> , 2009, 26, 245009.	4.0	23
117	In quantum gravity, summing is refining. <i>Classical and Quantum Gravity</i> , 2012, 29, 055004.	4.0	23
118	Quantum-reduced loop gravity: Relation with the full theory. <i>Physical Review D</i> , 2013, 88, .	4.7	23
119	Neither Presentism nor Eternalism. <i>Foundations of Physics</i> , 2019, 49, 1325-1335.	1.3	23
120	Stable Facts, Relative Facts. <i>Foundations of Physics</i> , 2021, 51, 1.	1.3	23
121	Area is the length of Ashtekar's triad field. <i>Physical Review D</i> , 1993, 47, 1703-1705.	4.7	22
122	Statistical mechanics of generally covariant quantum theories: a Boltzmann-like approach. <i>Classical and Quantum Gravity</i> , 2001, 18, 555-569.	4.0	22
123	Towards weighing the condensation energy to ascertain the Archimedes force of vacuum. <i>Physical Review D</i> , 2014, 90, .	4.7	22
124	Quantum gravity. <i>Scholarpedia Journal</i> , 2008, 3, 7117.	0.3	22
125	Title is missing!. <i>Foundations of Physics</i> , 1998, 28, 1031-1043.	1.3	21
126	GRAVITY FROM DIRAC EIGENVALUES. <i>Modern Physics Letters A</i> , 1998, 13, 479-494.	1.2	21



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127	Loop quantum gravity. <i>Physics World</i> , 2003, 16, 37-41.	0.0	20
128	A theory of everything?. <i>Nature</i> , 2005, 433, 257-259.	27.8	20
129	The volume operator in covariant quantum gravity. <i>Classical and Quantum Gravity</i> , 2010, 27, 165003.	4.0	20
130	Single particle in quantum gravity and Braunstein-Ghosh-Severini entropy of a spin network. <i>Physical Review D</i> , 2010, 81, .	4.7	20
131	Compact phase space, cosmological constant, and discrete time. <i>Physical Review D</i> , 2015, 91, .	4.7	20
132	Quantum gravity effects around Sagittarius A*. <i>International Journal of Modern Physics D</i> , 2016, 25, 1644021.	2.1	20
133	From 3-geometry transition amplitudes to graviton states. <i>Nuclear Physics B</i> , 2006, 739, 234-253.	2.5	19
134	Planck stars as observational probes of quantum gravity. <i>Nature Astronomy</i> , 2017, 1, .	10.1	19
135	Note on the geometrical interpretation of quantum groups and noncommutative spaces in gravity. <i>Physical Review D</i> , 2011, 84, .	4.7	18
136	Discrete symmetries in covariant loop quantum gravity. <i>Physical Review D</i> , 2012, 86, .	4.7	18
137	Spin connection of twisted geometry. <i>Physical Review D</i> , 2013, 87, .	4.7	18
138	On the Possibility of Experimental Detection of the Discreteness of Time. <i>Frontiers in Physics</i> , 2020, 8, .	2.1	18
139	Refined algebraic quantization in the oscillator representation of $SL(2, \mathbb{R})$ . <i>Journal of Mathematical Physics</i> , 2000, 41, 132-155.	1.1	17
140	Background independence in a nutshell: the dynamics of a tetrahedron. <i>Classical and Quantum Gravity</i> , 2005, 22, 2971-2989.	4.0	17
141	Simple model for quantum general relativity from loop quantum gravity. <i>Journal of Physics: Conference Series</i> , 2011, 314, 012006.	0.4	17
142	The Euclidean three-point function in loop and perturbative gravity. <i>Classical and Quantum Gravity</i> , 2011, 28, 175010.	4.0	17
143	Death and resurrection of the zeroth principle of thermodynamics. <i>Physical Review D</i> , 2013, 87, .	4.7	17
144	Weave States in Loop Quantum Gravity. <i>General Relativity and Gravitation</i> , 1997, 29, 1039-1048.	2.0	16

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145	Multiple-event probability in general-relativistic quantum mechanics. <i>Physical Review D</i> , 2007, 75, .	4.7	16
146	Spectral Noncommutative Geometry and Quantization. <i>Physical Review Letters</i> , 1999, 83, 1079-1083.	7.8	15
147	HOW TO DETECT AN ANTI-SPACETIME. <i>International Journal of Modern Physics D</i> , 2012, 21, 1242014.	2.1	15
148	Coupling and thermal equilibrium in general-covariant systems. <i>Physical Review D</i> , 2013, 88, .	4.7	15
149	Black Hole Evolution Traced Out with Loop Quantum Gravity. <i>Physics Magazine</i> , 0, 11, .	0.1	15
150	Black to white hole tunneling: An exact classical solution. <i>International Journal of Modern Physics A</i> , 2015, 30, 1545015.	1.5	14
151	How information crosses Schwarzschild's central singularity. <i>Classical and Quantum Gravity</i> , 2018, 35, 215010.	4.0	14
152	The arrow of time in operational formulations of quantum theory. <i>Quantum - the Open Journal for Quantum Science</i> , 0, 5, 520.	0.0	14
153	Quantization of the null-surface formulation of general relativity. <i>Physical Review D</i> , 1997, 56, 889-907.	4.7	13
154	2D manifold-independent spinfoam theory. <i>Classical and Quantum Gravity</i> , 2003, 20, 4425-4445.	4.0	13
155	Spin-foam fermions: PCT symmetry, Dirac determinant and correlation functions. <i>Classical and Quantum Gravity</i> , 2013, 30, 075007.	4.0	13
156	Statistical mechanics of reparametrization-invariant systems. It takes three to tango.. <i>Classical and Quantum Gravity</i> , 2016, 33, 045005.	4.0	13
157	Relational Quantum Mechanics is About Facts, Not States: A Reply to Pienaar and Brukner. <i>Foundations of Physics</i> , 2022, 52, .	1.3	13
158	Spinfoam 2D quantum gravity and discrete bundles. <i>Classical and Quantum Gravity</i> , 2005, 22, 85-108.	4.0	12
159	Numerical indications on the semiclassical limit of the flipped vertex. <i>Classical and Quantum Gravity</i> , 2008, 25, 095009.	4.0	12
160	Thermally correlated states in loop quantum gravity. <i>Classical and Quantum Gravity</i> , 2015, 32, 035011.	4.0	12
161	The Subtle Unphysical Hypothesis of the Firewall Theorem. <i>Entropy</i> , 2019, 21, 839.	2.2	12
162	End of a black hole's evaporation. II.. <i>Physical Review D</i> , 2021, 104, .	4.7	12

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163	Variations of the parallel propagator and holonomy operator and the Gauss law constraint. Journal of Mathematical Physics, 1993, 34, 4646-4654.	1.1	11
164	“Localization” in quantum field theory: how much of QFT is compatible with what we know about space-time?. , 1999, , 207-232.		11
165	Progress in a Vacuum Weight Search Experiment. Physics, 2020, 2, 1-13.	1.4	11
166	Transitions in Brain Evolution: Space, Time and Entropy. Trends in Neurosciences, 2020, 43, 467-474.	8.6	11
167	GENERALIZED SCHRÖDINGER EQUATION IN EUCLIDEAN FIELD THEORY. International Journal of Modern Physics A, 2004, 19, 4037-4068.	1.5	10
168	Unruh effect without trans-horizon entanglement. Physical Review D, 2012, 85, .	4.7	10
169	Quantization of the “single-point-gravity” Hamiltonian system. Physical Review D, 1987, 35, 2987-2992.		9
170	Covariant Loop Gravity. Lecture Notes in Physics, 2013, , 57-66.	0.7	9
171	A Critical Look at Strings. Foundations of Physics, 2013, 43, 8-20.	1.3	9
172	Relative Information at the Foundation of Physics. The Frontiers Collection, 2015, , 79-86.	0.2	9
173	Self duality and quantization. Journal of Geometry and Physics, 1992, 8, 7-27.	1.4	8
174	Simple background-independent Hamiltonian quantum model. Physical Review D, 2003, 68, .	4.7	8
175	Compatibility of radial, Lorenz, and harmonic gauges. Physical Review D, 2007, 76, .	4.7	8
176	On the expansion of a quantum field theory around a topological sector. General Relativity and Gravitation, 2007, 39, 167-178.	2.0	8
177	How many quanta are there in a quantum spacetime?. Classical and Quantum Gravity, 2015, 32, 165019.	4.0	8
178	Pre-Big-Bang Black-Hole Remnants and Past Low Entropy. Universe, 2018, 4, 129.	2.5	8
179	Where Was Past Low-Entropy?. Entropy, 2019, 21, 466.	2.2	8
180	What is a Gauge Transformation in Quantum Mechanics?. Physical Review Letters, 1998, 80, 4613-4616.	7.8	6

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181	Comment on: "Causality and the arrow of classical time" by Fritz Rohrlich. <i>Studies in History and Philosophy of Science Part B - Studies in History and Philosophy of Modern Physics</i> , 2004, 35, 397-405.	1.4	6
182	<i>Relational Quantum Mechanics</i> . , 2005, , 113-120.		6
183	Black to white transition of a charged black hole. <i>Physical Review D</i> , 2022, 105, .	4.7	6
184	Eigenvalues of the Weyl operator as observables of general relativity. <i>Classical and Quantum Gravity</i> , 1995, 12, 1279-1285.	4.0	5
185	The fermionic contribution to the spectrum of the area operator in nonperturbative quantum gravity. <i>Classical and Quantum Gravity</i> , 1998, 15, 3795-3801.	4.0	5
186	Second-order amplitudes in loop quantum gravity. <i>Classical and Quantum Gravity</i> , 2009, 26, 245013.	4.0	5
187	Casimir effects are not an experimental demonstration that free vacuum gravitates: connections to the Cosmological Constant Problem. <i>International Journal of Modern Physics D</i> , 2015, 24, 1544020.	2.1	5
188	Minisuperspace model of compact phase space gravity. <i>Physical Review D</i> , 2019, 100, .	4.7	5
189	Picoradiant tiltmeter and direct ground tilt measurements at the Sos Enattos site. <i>European Physical Journal Plus</i> , 2021, 136, 1.	2.6	5
190	Radiation in a massive Schwarzschild background. <i>Physical Review D</i> , 1991, 44, 551-554.	4.7	4
191	SPIN FOAMS AS FEYNMAN DIAGRAMS. , 2003, , .		4
192	Multiple-event probability in general-relativistic quantum mechanics. II. A discrete model. <i>Physical Review D</i> , 2007, 76, .	4.7	4
193	The boundary is mixed. <i>General Relativity and Gravitation</i> , 2017, 49, 1.	2.0	4
194	A NOTE ON THE FOUNDATION OF RELATIVISTIC MECHANICS: COVARIANT HAMILTONIAN GENERAL RELATIVITY. , 2006, , .		4
195	Considerations on Quantum Gravity Phenomenology. <i>Universe</i> , 2021, 7, 439.	2.5	4
196	The accidental flatness constraint does not mean a wrong classical limit. <i>Classical and Quantum Gravity</i> , 2022, 39, 117001.	4.0	4
197	Preparation in Bohmian Mechanics. <i>Foundations of Physics</i> , 2022, 52, .	1.3	4
198	Classical and quantum dynamics of the Faraday lines of force. <i>Physical Review D</i> , 1994, 49, 6883-6891.	4.7	3

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199	Politics should listen to science, not hide behind it. <i>Nature Materials</i> , 2021, 20, 272-272.	27.5	3
200	Casimir energy for N superconducting cavities: a model for the YBCO (GdBCO) sample to be used in the Archimedes experiment. <i>European Physical Journal Plus</i> , 2022, 137, .	2.6	3
201	Book ReviewsÂGravitation and Inertia, reviewed by C. Rovelli * AIDS and the Public Debate, D. E. Beauchamp. <i>Science</i> , 1996, 271, 37-38.	12.6	2
202	Michelangeloâ€™s stone: an argument against platonism in mathematics. <i>European Journal for Philosophy of Science</i> , 2017, 7, 285-297.	1.1	2
203	Volume entropy. <i>Classical and Quantum Gravity</i> , 2019, 36, 055012.	4.0	2
204	Anomalies in quantum gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1987, 187, 88-92.	4.1	1
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