

Carlo Rovelli

List of Publications by Year in descending order

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232
papers

15,466
citations

26630

56
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24982

109
g-index

247
all docs

247
docs citations

247
times ranked

2837
citing authors

#	ARTICLE	IF	CITATIONS
1	The accidental flatness constraint does not mean a wrong classical limit. Classical and Quantum Gravity, 2022, 39, 117001.	4.0	4
2	Black to white transition of a charged black hole. Physical Review D, 2022, 105, .	4.7	6
3	Preparation in Bohmian Mechanics. Foundations of Physics, 2022, 52, .	1.3	4
4	Relational Quantum Mechanics is About Facts, Not States: A Reply to Pienaar and Brukner. Foundations of Physics, 2022, 52, .	1.3	13
5	Casimir energy for N superconducting cavities: a model for the YBCO (GdBCO) sample to be used in the Archimedes experiment. European Physical Journal Plus, 2022, 137, .	2.6	3
6	Politics should listen to science, not hide behind it. Nature Materials, 2021, 20, 272-272.	27.5	3
7	Stable Facts, Relative Facts. Foundations of Physics, 2021, 51, 1.	1.3	23
8	Non-Gaussianity as a Signature of a Quantum Theory of Gravity. PRX Quantum, 2021, 2, .	9.2	59
9	End of a black hole's evaporation. Physical Review D, 2021, 103, .	4.7	24
10	The Evolution of Eyes. , 2021, , 5-32.		0
11	Computer Vision. , 2021, , 180-196.		0
12	Visions. , 2021, , 33-56.		0
13	Colour and Vision. , 2021, , 57-106.		1
14	Visions of a Digital Future. , 2021, , 154-179.		0
15	Vision of the Cosmos. , 2021, , 131-153.		0
16	Science, Vision, Perspective. , 2021, , 107-130.		0
17	End of a black hole's evaporation. II.. Physical Review D, 2021, 104, .	4.7	12
18	Picoradiant tiltmeter and direct ground tilt measurements at the Sos Enattos site. European Physical Journal Plus, 2021, 136, 1.	2.6	5

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19	Considerations on Quantum Gravity Phenomenology. Universe, 2021, 7, 439.	2.5	4
20	On the Possibility of Experimental Detection of the Discreteness of Time. Frontiers in Physics, 2020, 8, .	2.1	18
21	Progress in a Vacuum Weight Search Experiment. Physics, 2020, 2, 1-13.	1.4	11
22	Transitions in Brain Evolution: Space, Time and Entropy. Trends in Neurosciences, 2020, 43, 467-474.	8.6	11
23	The Subtle Unphysical Hypothesis of the Firewall Theorem. Entropy, 2019, 21, 839.	2.2	12
24	Minisuperspace model of compact phase space gravity. Physical Review D, 2019, 100, .	4.7	5
25	Where Was Past Low-Entropy?. Entropy, 2019, 21, 466.	2.2	8
26	Natural Discrete Differential Calculus in Physics. Foundations of Physics, 2019, 49, 693-699.	1.3	0
27	Why science needs philosophy. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3948-3952.	7.1	115
28	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
29	Volume entropy. Classical and Quantum Gravity, 2019, 36, 055012.	4.0	2
30	Neither Presentism nor Eternalism. Foundations of Physics, 2019, 49, 1325-1335.	1.3	23
31	On the Statistical Mechanics of Life: Schrödinger Revisited. Entropy, 2019, 21, 1211.	2.2	30
32	La chasse aux trous blancs. Pour la science Fr, 2019, N° 502 - août, 26-35.	0.0	0
33	Physics Needs Philosophy. Philosophy Needs Physics. Foundations of Physics, 2018, 48, 481-491.	1.3	29
34	How information crosses Schwarzschild's central singularity. Classical and Quantum Gravity, 2018, 35, 215010.	4.0	14
35	Pre-Big-Bang Black-Hole Remnants and Past Low Entropy. Universe, 2018, 4, 129.	2.5	8
36	Hello from the other side. New Scientist, 2018, 240, 30-33.	0.0	0

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37	Small Black/White Hole Stability and Dark Matter. <i>Universe</i> , 2018, 4, 127.	2.5	37
38	White holes as remnants: a surprising scenario for the end of a black hole. <i>Classical and Quantum Gravity</i> , 2018, 35, 225003.	4.0	93
39	“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
40	Planck stars as observational probes of quantum gravity. <i>Nature Astronomy</i> , 2017, 1, .	10.1	19
41	The boundary is mixed. <i>General Relativity and Gravitation</i> , 2017, 49, 1.	2.0	4
42	Michelangelo’s stone: an argument against platonism in mathematics. <i>European Journal for Philosophy of Science</i> , 2017, 7, 285-297.	1.1	2
43	Loop Quantum Gravity. <i>The Frontiers Collection</i> , 2017, , 279-293.	0.2	0
44	An Argument Against the Realistic Interpretation of the Wave Function. <i>Foundations of Physics</i> , 2016, 46, 1229-1237.	1.3	29
45	Quantum gravity effects around Sagittarius A*. <i>International Journal of Modern Physics D</i> , 2016, 25, 1644021.	2.1	20
46	Planck star tunneling time: An astrophysically relevant observable from background-free quantum gravity. <i>Physical Review D</i> , 2016, 94, .	4.7	74
47	Statistical mechanics of reparametrization-invariant systems. It takes three to tango.. <i>Classical and Quantum Gravity</i> , 2016, 33, 045005.	4.0	13
48	Quantum-gravity effects outside the horizon spark black to white hole tunneling. <i>Physical Review D</i> , 2015, 92, .	4.7	166
49	Compact phase space, cosmological constant, and discrete time. <i>Physical Review D</i> , 2015, 91, .	4.7	20
50	Aristotle's Physics: A Physicist's Look. <i>Journal of the American Philosophical Association</i> , 2015, 1, 23-40.	0.4	25
51	Curvatures and discrete Gauss-Codazzi equation in (2 + 1)-dimensional loop quantum gravity. <i>International Journal of Geometric Methods in Modern Physics</i> , 2015, 12, 1550112.	2.0	0
52	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
53	Thermally correlated states in loop quantum gravity. <i>Classical and Quantum Gravity</i> , 2015, 32, 035011.	4.0	12
54	The strange equation of quantum gravity. <i>Classical and Quantum Gravity</i> , 2015, 32, 124005.	4.0	27

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55	How big is a black hole?. Physical Review D, 2015, 91, .	4.7	87
56	On the effective metric of a Planck star. General Relativity and Gravitation, 2015, 47, 1.	2.0	86
57	Black to white hole tunneling: An exact classical solution. International Journal of Modern Physics A, 2015, 30, 1545015.	1.5	14
58	The most beautiful physical theory. , 2015, , 1-6.		0
59	How many quanta are there in a quantum spacetime?. Classical and Quantum Gravity, 2015, 32, 165019.	4.0	8
60	The strange world of quantum spacetime. , 2015, , 189-202.		0
61	Relative Information at the Foundation of Physics. The Frontiers Collection, 2015, , 79-86.	0.2	9
62	Fast radio bursts and white hole signals. Physical Review D, 2014, 90, .	4.7	71
63	Propagator with positive cosmological constant in the 3D Euclidean quantum gravity toy model. Classical and Quantum Gravity, 2014, 31, 155011.	4.0	0
64	Planck star phenomenology. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 739, 405-409.	4.1	57
65	Towards weighing the condensation energy to ascertain the Archimedes force of vacuum. Physical Review D, 2014, 90, .	4.7	22
66	Spacetime thermodynamics without hidden degrees of freedom. Physical Review D, 2014, 90, .	4.7	29
67	Why are the effective equations of loop quantum cosmology so accurate?. Physical Review D, 2014, 90, .	4.7	63
68	Planck stars. International Journal of Modern Physics D, 2014, 23, 1442026.	2.1	178
69	Why Gauge?. Foundations of Physics, 2014, 44, 91-104.	1.3	73
70	Don't glorify Arab astronomy. Nature, 2013, 499, 154-154.	27.8	0
71	Quantum-reduced loop gravity: Relation with the full theory. Physical Review D, 2013, 88, .	4.7	23
72	Coupling and thermal equilibrium in general-covariant systems. Physical Review D, 2013, 88, .	4.7	15

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73	Covariant Loop Gravity. Lecture Notes in Physics, 2013, , 57-66.	0.7	9
74	A Critical Look at Strings. Foundations of Physics, 2013, 43, 8-20.	1.3	9
75	General relativistic statistical mechanics. Physical Review D, 2013, 87, .	4.7	26
76	Spin connection of twisted geometry. Physical Review D, 2013, 87, .	4.7	18
77	Death and resurrection of the zeroth principle of thermodynamics. Physical Review D, 2013, 87, .	4.7	17
78	Spinfoam fermions. Classical and Quantum Gravity, 2013, 30, 235023.	4.0	28
79	Divergences and orientation in spinfoams. Classical and Quantum Gravity, 2013, 30, 055009.	4.0	24
80	Evidence for Maximal Acceleration and Singularity Resolution in Covariant Loop Quantum Gravity. Physical Review Letters, 2013, 111, 091303.	7.8	39
81	Spin-foam fermions: PCT symmetry, Dirac determinant and correlation functions. Classical and Quantum Gravity, 2013, 30, 075007.	4.0	13
82	DEATH AND RESURRECTION OF THE ZEROth PRINCIPLE OF THERMODYNAMICS. International Journal of Modern Physics D, 2013, 22, 1342007.	2.1	1
83	Quantum Gravity: third edition. Classical and Quantum Gravity, 2012, 29, 179001.	4.0	1
84	In quantum gravity, summing is refining. Classical and Quantum Gravity, 2012, 29, 055004.	4.0	23
85	Simple model for quantum general relativity from loop quantum gravity. , 2012, , .		0
86	Discrete symmetries in covariant loop quantum gravity. Physical Review D, 2012, 86, .	4.7	18
87	HOW TO DETECT AN ANTI-SPACETIME. International Journal of Modern Physics D, 2012, 21, 1242014.	2.1	15
88	Unruh effect without trans-horizon entanglement. Physical Review D, 2012, 85, .	4.7	10
89	Lorentz covariance of loop quantum gravity. Physical Review D, 2011, 83, .	4.7	57
90	Loop quantum gravity: the first 25 years. Classical and Quantum Gravity, 2011, 28, 153002.	4.0	51

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91	A new look at loop quantum gravity. <i>Classical and Quantum Gravity</i> , 2011, 28, 114005.	4.0	62
92	Simple model for quantum general relativity from loop quantum gravity. <i>Journal of Physics: Conference Series</i> , 2011, 314, 012006.	0.4	17
93	Note on the geometrical interpretation of quantum groups and noncommutative spaces in gravity. <i>Physical Review D</i> , 2011, 84, .	4.7	18
94	Thermal time and Tolmanâ€Ehrenfest effect: \tilde{t} temperature as the speed of time TM . <i>Classical and Quantum Gravity</i> , 2011, 28, 075007.	4.0	49
95	â€œForget timeâ€• <i>Foundations of Physics</i> , 2011, 41, 1475-1490.	1.3	58
96	The Euclidean three-point function in loop and perturbative gravity. <i>Classical and Quantum Gravity</i> , 2011, 28, 175010.	4.0	17
97	Local spinfoam expansion in loop quantum cosmology. <i>Classical and Quantum Gravity</i> , 2011, 28, 025003.	4.0	29
98	Generalized spinfoams. <i>Physical Review D</i> , 2011, 83, .	4.7	42
99	Cosmological constant in spinfoam cosmology. <i>Physical Review D</i> , 2011, 83, .	4.7	34
100	Is dark energy really a mystery?. <i>Nature</i> , 2010, 466, 321-322.	27.8	24
101	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
102	The volume operator in covariant quantum gravity. <i>Classical and Quantum Gravity</i> , 2010, 27, 165003.	4.0	20
103	On the spinfoam expansion in cosmology. <i>Classical and Quantum Gravity</i> , 2010, 27, 145005.	4.0	25
104	The face amplitude of spinfoam quantum gravity. <i>Classical and Quantum Gravity</i> , 2010, 27, 185009.	4.0	43
105	Geometry of loop quantum gravity on a graph. <i>Physical Review D</i> , 2010, 82, .	4.7	56
106	Triangulated loop quantum cosmology: Bianchi IX universe and inhomogeneous perturbations. <i>Physical Review D</i> , 2010, 81, .	4.7	28
107	Towards spinfoam cosmology. <i>Physical Review D</i> , 2010, 82, .	4.7	107
108	Regularization of the Hamiltonian constraint compatible with the spinfoam dynamics. <i>Physical Review D</i> , 2010, 82, .	4.7	32

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109	Single particle in quantum gravity and Braunstein-Ghosh-Severini entropy of a spin network. Physical Review D, 2010, 81, .	4.7	20
110	Black holes in full quantum gravity. Classical and Quantum Gravity, 2009, 26, 245009.	4.0	23
111	Second-order amplitudes in loop quantum gravity. Classical and Quantum Gravity, 2009, 26, 245013.	4.0	5
112	LQG propagator: III. The new vertex. Classical and Quantum Gravity, 2009, 26, 215001.	4.0	28
113	Self-energy and vertex radiative corrections in LQG. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 682, 78-84.	4.1	49
114	What is a particle?. Classical and Quantum Gravity, 2009, 26, 025002.	4.0	34
115	Flipped spinfoam vertex and loop gravity. Nuclear Physics B, 2008, 798, 251-290.	2.5	162
116	LQG vertex with finite Immirzi parameter. Nuclear Physics B, 2008, 799, 136-149.	2.5	421
117	Complete LQG propagator. II. Asymptotic behavior of the vertex. Physical Review D, 2008, 77, .	4.7	65
118	Stepping out of homogeneity in loop quantum cosmology. Classical and Quantum Gravity, 2008, 25, 225024.	4.0	70
119	Numerical indications on the semiclassical limit of the flipped vertex. Classical and Quantum Gravity, 2008, 25, 095009.	4.0	12
120	Loop Quantum Gravity. Living Reviews in Relativity, 2008, 11, 5.	26.7	183
121	Quantum gravity. Scholarpedia Journal, 2008, 3, 7117.	0.3	22
122	Complete LQG propagator: Difficulties with the Barrett-Crane vertex. Physical Review D, 2007, 76, .	4.7	111
123	Loop-Quantum-Gravity Vertex Amplitude. Physical Review Letters, 2007, 99, 161301.	7.8	224
124	Compatibility of radial, Lorenz, and harmonic gauges. Physical Review D, 2007, 76, .	4.7	8
125	QUANTUM GRAVITY. , 2007, , 1287-1329.		78
126	Multiple-event probability in general-relativistic quantum mechanics. II. A discrete model. Physical Review D, 2007, 76, .	4.7	4

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127	Beyond the screen of time. <i>Nature Physics</i> , 2007, 3, 520-521.	16.7	0
128	Multiple-event probability in general-relativistic quantum mechanics. <i>Physical Review D</i> , 2007, 75, .	4.7	16
129	Relational EPR. <i>Foundations of Physics</i> , 2007, 37, 427-445.	1.3	124
130	On the expansion of a quantum field theory around a topological sector. <i>General Relativity and Gravitation</i> , 2007, 39, 167-178.	2.0	8
131	Physical effects of the Immirzi parameter in loop quantum gravity. <i>Physical Review D</i> , 2006, 73, .	4.7	144
132	From 3-geometry transition amplitudes to graviton states. <i>Nuclear Physics B</i> , 2006, 739, 234-253.	2.5	19
133	Graviton propagator in loop quantum gravity. <i>Classical and Quantum Gravity</i> , 2006, 23, 6989-7028.	4.0	142
134	A semiclassical tetrahedron. <i>Classical and Quantum Gravity</i> , 2006, 23, 5861-5870.	4.0	36
135	Graviton Propagator from Background-Independent Quantum Gravity. <i>Physical Review Letters</i> , 2006, 97, 151301.	7.8	143
136	A NOTE ON THE FOUNDATION OF RELATIVISTIC MECHANICS: COVARIANT HAMILTONIAN GENERAL RELATIVITY. , 2006, , .		4
137	A theory of everything?. <i>Nature</i> , 2005, 433, 257-259.	27.8	20
138	Black Hole Entropy: Inside or Out?. <i>International Journal of Theoretical Physics</i> , 2005, 44, 1807-1837.	1.2	39
139	Background independence in a nutshell: the dynamics of a tetrahedron. <i>Classical and Quantum Gravity</i> , 2005, 22, 2971-2989.	4.0	17
140	Spinfoam 2D quantum gravity and discrete bundles. <i>Classical and Quantum Gravity</i> , 2005, 22, 85-108.	4.0	12
141	Particle Scattering in Loop Quantum Gravity. <i>Physical Review Letters</i> , 2005, 95, 191301.	7.8	64
142	Relational Quantum Mechanics. , 2005, , 113-120.		6
143	Minkowski vacuum in background independent quantum gravity. <i>Physical Review D</i> , 2004, 69, .	4.7	29
144	Separable Hilbert space in loop quantum gravity. <i>Journal of Mathematical Physics</i> , 2004, 45, 2802-2814.	1.1	57

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145	GENERALIZED SCHRÖDINGER EQUATION IN EUCLIDEAN FIELD THEORY. International Journal of Modern Physics A, 2004, 19, 4037-4068.	1.5	10
146	Comment on: "Causality and the arrow of classical time" by Fritz Rohrlich. Studies in History and Philosophy of Science Part B - Studies in History and Philosophy of Modern Physics, 2004, 35, 397-405.	1.4	6
147	A DIALOG ON QUANTUM GRAVITY. International Journal of Modern Physics D, 2003, 12, 1509-1528.	2.1	23
148	Diamond's temperature: Unruh effect for bounded trajectories and thermal time hypothesis. Classical and Quantum Gravity, 2003, 20, 4919-4931.	4.0	68
149	Reconcile Planck-scale discreteness and the Lorentz-Fitzgerald contraction. Physical Review D, 2003, 67, .	4.7	96
150	Simple background-independent Hamiltonian quantum model. Physical Review D, 2003, 68, .	4.7	8
151	SPIN FOAMS AS FEYNMAN DIAGRAMS. , 2003, , .		4
152	Loop quantum gravity. Physics World, 2003, 16, 37-41.	0.0	20
153	Spectra of length and area in $(2+1)$ Lorentzian loop quantum gravity. Classical and Quantum Gravity, 2003, 20, 1463-1478.	4.0	54
154	2D manifold-independent spinfoam theory. Classical and Quantum Gravity, 2003, 20, 4425-4445.	4.0	13
155	GPS observables in general relativity. Physical Review D, 2002, 65, .	4.7	72
156	Relativistic quantum measurement. Physical Review D, 2002, 66, .	4.7	31
157	D11: QUANTUM GENERAL RELATIVITY. , 2002, , .		0
158	Partial observables. Physical Review D, 2002, 65, .	4.7	202
159	Spacetime states and covariant quantum theory. Physical Review D, 2002, 65, .	4.7	48
160	Perturbative Finiteness in Spin-Foam Quantum Gravity. Physical Review Letters, 2001, 87, .	7.8	50
161	A spin foam model without bubble divergences. Nuclear Physics B, 2001, 599, 255-282.	2.5	74
162	Statistical mechanics of generally covariant quantum theories: a Boltzmann-like approach. Classical and Quantum Gravity, 2001, 18, 555-569.	4.0	22

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163	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
164	Spacetime as a Feynman diagram: the connection formulation. <i>Classical and Quantum Gravity</i> , 2001, 18, 121-140.	4.0	140
165	Spin foam model for Lorentzian general relativity. <i>Physical Review D</i> , 2001, 63, .	4.7	64
166	(3+1)-dimensional spin foam model of quantum gravity with spacelike and timelike components. <i>Physical Review D</i> , 2001, 64, .	4.7	28
167	Refined algebraic quantization in the oscillator representation of $SL(2, R)$. <i>Journal of Mathematical Physics</i> , 2000, 41, 132-155.	1.1	17
168	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
169	Barrett's Crane model from a Boulatov's Ooguri field theory over a homogeneous space. <i>Nuclear Physics B</i> , 2000, 574, 785-806.	2.5	165
170	Loop Quantum Gravity and the Meaning of Diffeomorphism Invariance. , 2000, , 277-324.		39
171	"Localization"™ in quantum field theory: how much of QFT is compatible with what we know about space-time?. , 1999, , 207-232.		11
172	Rovelli Replies:. <i>Physical Review Letters</i> , 1999, 83, 1071-1071.	7.8	0
173	Projector on physical states in loop quantum gravity. <i>Physical Review D</i> , 1999, 59, .	4.7	59
174	$SL(2,R)$ model with two Hamiltonian constraints. <i>Physical Review D</i> , 1999, 60, .	4.7	36
175	Spectral Noncommutative Geometry and Quantization. <i>Physical Review Letters</i> , 1999, 83, 1079-1083.	7.8	15
176	Title is missing!. <i>Foundations of Physics</i> , 1998, 28, 1031-1043.	1.3	21
177	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
178	What is a Gauge Transformation in Quantum Mechanics?. <i>Physical Review Letters</i> , 1998, 80, 4613-4616.	7.8	6
179	Immirzi parameter in quantum general relativity. <i>Physical Review D</i> , 1998, 57, 1009-1014.	4.7	121
180	GRAVITY FROM DIRAC EIGENVALUES. <i>Modern Physics Letters A</i> , 1998, 13, 479-494.	1.2	21

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181	Loop Quantum Gravity. Living Reviews in Relativity, 1998, 1, 1.	26.7	535
182	Matrix elements of Thiemann's Hamiltonian constraint in loop quantum gravity. Classical and Quantum Gravity, 1997, 14, 2793-2823.	4.0	36
183	Quantization of the null-surface formulation of general relativity. Physical Review D, 1997, 56, 889-907.	4.7	13
184	Sum over surfaces-form of loop quantum gravity. Physical Review D, 1997, 56, 3490-3508.	4.7	217
185	General Relativity in Terms of Dirac Eigenvalues. Physical Review Letters, 1997, 78, 3051-3054.	7.8	59
186	Weave States in Loop Quantum Gravity. General Relativity and Gravitation, 1997, 29, 1039-1048.	2.0	16
187	Black Hole Entropy from Loop Quantum Gravity. Physical Review Letters, 1996, 77, 3288-3291.	7.8	462
188	Time of arrival in quantum mechanics. Physical Review A, 1996, 54, 4676-4690.	2.5	151
189	Book Reviews: Gravitation and Inertia, reviewed by C. Rovelli * AIDS and the Public Debate, D. E. Beauchamp. Science, 1996, 271, 37-38.	12.6	2
190	Physics with nonperturbative quantum gravity: Radiation from a quantum black hole. General Relativity and Gravitation, 1996, 28, 1293-1299.	2.0	44
191	Relational quantum mechanics. International Journal of Theoretical Physics, 1996, 35, 1637-1678.	1.2	692
192	Moduli space structure of knots with intersections. Journal of Mathematical Physics, 1996, 37, 3014-3021.	1.1	30
193	Geometry eigenvalues and the scalar product from recoupling theory in loop quantum gravity. Physical Review D, 1996, 54, 2664-2690.	4.7	117
194	The complete spectrum of the area from recoupling theory in loop quantum gravity. Classical and Quantum Gravity, 1996, 13, 2921-2931.	4.0	71
195	Evolution and Revolution. Rationality and Society, 1995, 7, 201-224.	1.1	51
196	Eigenvalues of the Weyl operator as observables of general relativity. Classical and Quantum Gravity, 1995, 12, 1279-1285.	4.0	5
197	Discreteness of area and volume in quantum gravity. Nuclear Physics B, 1995, 442, 593-619.	2.5	916
198	Loop space representation of quantum fermions and gravity. Nuclear Physics B, 1995, 451, 325-361.	2.5	30

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199	Spin networks and quantum gravity. <i>Physical Review D</i> , 1995, 52, 5743-5759.	4.7	395
200	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
201	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
202	Fermions in quantum gravity. <i>Physical Review Letters</i> , 1994, 72, 3642-3645.	7.8	47
203	The physical Hamiltonian in nonperturbative quantum gravity. <i>Physical Review Letters</i> , 1994, 72, 446-449.	7.8	155
204	Classical and quantum dynamics of the Faraday lines of force. <i>Physical Review D</i> , 1994, 49, 6883-6891.	4.7	3
205	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
206	A physical prediction from Quantum Gravity: the quantization of the area. <i>Annals of the New York Academy of Sciences</i> , 1993, 688, 472-479.	3.8	0
207	Variations of the parallel propagator and holonomy operator and the Gauss law constraint. <i>Journal of Mathematical Physics</i> , 1993, 34, 4646-4654.	1.1	11
208	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
209	Area is the length of Ashtekar's triad field. <i>Physical Review D</i> , 1993, 47, 1703-1705.	4.7	22
210	GRAVITONS AS EMBROIDERY ON THE WEAVE. <i>International Journal of Modern Physics D</i> , 1992, 01, 533-557.	2.1	32
211	Weaving a classical metric with quantum threads. <i>Physical Review Letters</i> , 1992, 69, 237-240.	7.8	278
212	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
213	Self duality and quantization. <i>Journal of Geometry and Physics</i> , 1992, 8, 7-27.	1.4	8
214	Time in quantum gravity: An hypothesis. <i>Physical Review D</i> , 1991, 43, 442-456.	4.7	275
215	On Hamiltonian systems with first-class constraints. <i>Journal of Mathematical Physics</i> , 1991, 32, 2739-2743.	1.1	25
216	What is observable in classical and quantum gravity?. <i>Classical and Quantum Gravity</i> , 1991, 8, 297-316.	4.0	301

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