List of Publications by Year in descending order

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LEE SMOUN

#	Article	IF	CITATIONS
1	"Hot-spotting―to improve vaccine allocation by harnessing digital contact tracing technology: An application of percolation theory. PLoS ONE, 2021, 16, e0256889.	2.5	1
2	Realism and causality. II. Retrocausality in energetic causal sets. Physical Review D, 2020, 102, .	4.7	5
3	Realism and causality. I. Pilot wave and retrocausal models as possible facilitators. Physical Review D, 2020, 102, .	4.7	6
4	The Quantum Cosmological Constant. Symmetry, 2019, 11, 1130.	2.2	11
5	Zero-parameter extension of general relativity with a varying cosmological constant. Physical Review D, 2019, 100, .	4.7	19
6	Cosmology of minimal varying Lambda theories. Physical Review D, 2019, 100, .	4.7	28
7	A Universe that Does Not Know the Time. Universe, 2019, 5, 84.	2.5	15
8	The Dynamics of Difference. Foundations of Physics, 2018, 48, 121-134.	1.3	17
9	Reversing the irreversible: From limit cycles to emergent time symmetry. Physical Review D, 2018, 97, .	4.7	4
10	Interaction-Free Effects Between Distant Atoms. Foundations of Physics, 2018, 48, 1-16.	1.3	14
11	What Are We Missing in Our Search for Quantum Gravity?. , 2018, , 287-304.		4
12	Extending Dualities to Trialities Deepens the Foundations of Dynamics. International Journal of Theoretical Physics, 2017, 56, 221-231.	1.2	0
13	Thermodynamics of quantum spacetime histories. Physical Review D, 2017, 96, .	4.7	3
14	MOND as a regime of quantum gravity. Physical Review D, 2017, 96, .	4.7	25
15	Four Principles for Quantum Gravity. Fundamental Theories of Physics, 2017, , 427-450.	0.3	9
16	Cosmological signatures of time-asymmetric gravity. Physical Review D, 2016, 94, .	4.7	5
17	Quantum Mechanics and the Principle of Maximal Variety. Foundations of Physics, 2016, 46, 736-758.	1.3	18
18	Spin foam models as energetic causal sets. Physical Review D, 2016, 93, .	4.7	10

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19	Dynamics of the cosmological and Newton's constant. Classical and Quantum Gravity, 2016, 33, 025011.	4.0	17
20	Time asymmetric extensions of general relativity. Physical Review D, 2015, 92, .	4.7	13
21	Temporal naturalism. Studies in History and Philosophy of Science Part B - Studies in History and Philosophy of Modern Physics, 2015, 52, 86-102.	1.4	14
22	A shape dynamical approach to holographic renormalization. European Physical Journal C, 2015, 75, 1.	3.9	11
23	Unification of the State with the Dynamical Law. Foundations of Physics, 2015, 45, 1-10.	1.3	2
24	General relativity as the equation of state of spin foam. Classical and Quantum Gravity, 2014, 31, 195007.	4.0	5
25	Linking shape dynamics and loop quantum gravity. Physical Review D, 2014, 90, .	4.7	3
26	Gravitational origin of the weak interaction's chirality. Physical Review D, 2014, 89, .	4.7	26
27	The universe as a process of unique events. Physical Review D, 2014, 90, .	4.7	45
28	Black hole information paradox and relative locality. Physical Review D, 2014, 90, .	4.7	2
29	Positive energy in quantum gravity. Physical Review D, 2014, 90, .	4.7	2
30	Quantum energetic causal sets. Physical Review D, 2014, 90, .	4.7	35
31	Time, laws, and the future of cosmology. Physics Today, 2014, 67, 38-43.	0.3	57
32	A Perspective on the Landscape Problem. Foundations of Physics, 2013, 43, 21-45.	1.3	15
33	Reply to "Comment on †Relative locality and the soccer ball problem'― Physical Review D, 2013, 88, .	4.7	7
34	OPERA NEUTRINOS AND DEFORMED SPECIAL RELATIVITY. Modern Physics Letters A, 2012, 27, 1250063.	1.2	12
35	Fundamental quantum optics experiments conceivable with satellites—reaching relativistic distances and velocities. Classical and Quantum Gravity, 2012, 29, 224011.	4.0	131
36	A Real Ensemble Interpretation of Quantum Mechanics. Foundations of Physics, 2012, 42, 1239-1261.	1.3	19

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37	Principle of relative locality. Physical Review D, 2011, 84, .	4.7	257
38	Unimodular loop quantum gravity and the problems of time. Physical Review D, 2011, 84, .	4.7	40
39	Relative locality: a deepening of the relativity principle. General Relativity and Gravitation, 2011, 43, 2547-2553.	2.0	86
40	Classical paradoxes of locality and their possible quantum resolutions in deformed special relativity. General Relativity and Gravitation, 2011, 43, 3671-3691.	2.0	14
41	Relative locality and the soccer ball problem. Physical Review D, 2011, 84, .	4.7	42
42	RELATIVE LOCALITY: A DEEPENING OF THE RELATIVITY PRINCIPLE. International Journal of Modern Physics D, 2011, 20, 2867-2873.	2.1	22
43	Note on the Plebanski action with the cosmological constant and an Immirzi parameter. Physical Review D, 2010, 81, .	4.7	14
44	Unification of gravity, gauge fields and Higgs bosons. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 445401.	2.1	24
45	Prospects for constraining quantum gravity dispersion with near term observations. Physical Review D, 2009, 80, .	4.7	117
46	Plebanski action extended to a unification of gravity and Yang-Mills theory. Physical Review D, 2009, 80, .	4.7	34
47	Disordered locality as an explanation for the dark energy. Physical Review D, 2009, 80, .	4.7	13
48	Quantization of unimodular gravity and the cosmological constant problems. Physical Review D, 2009, 80, .	4.7	122
49	The unique universe. Physics World, 2009, 22, 21-26.	0.0	12
50	Anomalous Cosmic-Microwave-Background Polarization and Gravitational Chirality. Physical Review Letters, 2008, 101, 141101.	7.8	86
51	Holography and the scale invariance of density fluctuations. Classical and Quantum Gravity, 2007, 24, 3691-3699.	4.0	30
52	Disordered locality in loop quantum gravity states. Classical and Quantum Gravity, 2007, 24, 3813-3823.	4.0	42
53	Quantum gravity faces reality. Physics Today, 2006, 59, 44-48.	0.3	4
54	Gauge fixing in causal dynamical triangulations. Nuclear Physics B, 2006, 739, 120-130.	2.5	8

#	ARTICLE ization of topological <mml:math <="" altimg="sil.gif" overflow="scroll" th=""><th>IF</th><th>CITATIONS</th></mml:math>	IF	CITATIONS
55	xmins:xocs= http://www.elsevier.com/xmi/xocs/dtd_xmins: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"	2.5	8
56	xmlns:ce="http://www.elsevier.com/x Falsifiable predictions from semiclassical quantum gravity. Nuclear Physics B, 2006, 742, 142-157.	2.5	66
57	THE MAIN POSTULATES AND RESULTS OF LOOP QUANTUM GRAVITY. , 2006, , .		1
58	String theories with deformed energy-momentum relations, and a possible nontachyonic bosonic string. Physical Review D, 2005, 71, .	4.7	153
59	Quantum theories of gravity: results and prospects. , 2004, , 492-527.		1
60	2+1 gravity and doubly special relativity. Physical Review D, 2004, 69, .	4.7	100
61	Quantum theory from quantum gravity. Physical Review D, 2004, 70, .	4.7	49
62	AN INVITATION TO LOOP QUANTUM GRAVITY. , 2004, , .		25
63	Quantum symmetry, the cosmological constant and Planck-scale phenomenology. Classical and Quantum Gravity, 2004, 21, 3095-3110.	4.0	167
64	Atoms of Space and Time. Scientific American, 2004, 290, 66-75.	1.0	38
65	Cosmological natural selection as the explanation for the complexity of the universe. Physica A: Statistical Mechanics and Its Applications, 2004, 340, 705-713.	2.6	19
66	Quantum gravity and inflation. Physical Review D, 2004, 70, .	4.7	15
67	Triply special relativity. Physical Review D, 2004, 70, .	4.7	77
68	Gravity's rainbow. Classical and Quantum Gravity, 2004, 21, 1725-1736.	4.0	472
69	Generalized Lorentz invariance with an invariant energy scale. Physical Review D, 2003, 67, .	4.7	549
70	The self–organization of space and time. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2003, 361, 1081-1088.	3.4	17
71	Lorentz Invariance with an Invariant Energy Scale. Physical Review Letters, 2002, 88, 190403.	7.8	939
72	Eleven-dimensional supergravity as a constrained topological field theory. Nuclear Physics B, 2001, 601, 191-208.	2.5	18

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73	Strings as perturbations of evolving spin networks. Nuclear Physics, Section B, Proceedings Supplements, 2000, 88, 103-113.	0.4	10
74	Holographic formulation of quantum general relativity. Physical Review D, 2000, 61, .	4.7	43
75	theory as a matrix extension of Chern–Simons theory. Nuclear Physics B, 2000, 591, 227-242.	2.5	36
76	The new universe around the next corner. Physics World, 1999, 12, 79-84.	0.0	10
77	Quantum geometry with intrinsic local causality. Physical Review D, 1998, 58, .	4.7	51
78	Quantum deformation of quantum gravity. Nuclear Physics B, 1996, 473, 267-290.	2.5	90
79	Linking topological quantum field theory and nonperturbative quantum gravity. Journal of Mathematical Physics, 1995, 36, 6417-6455.	1.1	176
80	The Chern-Simons invariant as the natural time variable for classical and quantum cosmology. Nuclear Physics B, 1995, 449, 289-314.	2.5	47
81	Quantum fluctuations and inertia. Physics Letters, Section A: General, Atomic and Solid State Physics, 1986, 113, 408-412.	2.1	43
82	On the intrinsic entropy of the gravitational field. General Relativity and Gravitation, 1985, 17, 417-437.	2.0	48
83	The thermodynamics of gravitational radiation. General Relativity and Gravitation, 1984, 16, 205-210.	2.0	27
84	Scientific alternatives to the anthropic principle. , 0, , 323-366.		17
85	The science of the one universe in time. , 0, , 5-45.		Ο
86	The nature and scope of this work. , 0, , x-xxii.		0
87	The context and consequences of the argument. , 0, , 46-99.		Ο
88	The singular existence of the universe. , 0, , 100-161.		0
89	The inclusive reality of time. , 0, , 162-258.		0
90	The mutability of the laws of nature. , 0, , 259-301.		0

The mutability of the laws of nature. , 0, , 259-301. 90

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91	The selective realism of mathematics. , 0, , 302-348.		Ο
92	Cosmology in crisis. , 0, , 353-366.		0
93	Principles for a cosmological theory. , 0, , 367-392.		0
94	The setting: the puzzles of contemporary cosmology. , 0, , 393-413.		0
95	Hypotheses for a new cosmology. , 0, , 414-421.		0
96	Approaches to solving the meta-law dilemma. , 0, , 447-479.		0
97	Implications of temporal naturalism for the philosophy of mind. , 0, , 480-483.		0
98	An agenda for science. , 0, , 484-499.		0