

Tejinder P Singh

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,312
citations

933447

10
h-index

361022

35
g-index

53
all docs

53
docs citations

53
times ranked

902
citing authors

#	ARTICLE	IF	CITATIONS
1	Models of wave-function collapse, underlying theories, and experimental tests. <i>Reviews of Modern Physics</i> , 2013, 85, 471-527.	45.6	775
2	Quantum gravitational corrections to the functional Schrödinger equation. <i>Physical Review D</i> , 1991, 44, 1067-1076.	4.7	147
3	Constraints on modified gravity models from white dwarfs. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 004-004.	5.4	48
4	Stochastic modification of the Schrödinger-Newton equation. <i>Physical Review D</i> , 2015, 92, .	4.7	29
5	A proposal for the experimental detection of CSL induced random walk. <i>Scientific Reports</i> , 2015, 5, 7664.	3.3	25
6	Spacetime Fluctuations and a Stochastic Schrödinger-Newton Equation. <i>Foundations of Physics</i> , 2017, 47, 897-910.	1.3	24
7	Trace Dynamics and a non-commutative special relativity. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011, 375, 3747-3750.	2.1	17
8	Statistical Thermodynamics for a Non-commutative Special Relativity: Emergence of a Generalized Quantum Dynamics. <i>Foundations of Physics</i> , 2012, 42, 1556-1572.	1.3	17
9	Possible role of gravity in collapse of the wave-function: a brief survey of some ideas. <i>Journal of Physics: Conference Series</i> , 2015, 626, 012009.	0.4	14
10	Proposal for a New Quantum Theory of Gravity III: Equations for Quantum Gravity, and the Origin of Spontaneous Localisation. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2020, 75, 143-154.	1.5	12
11	Fourth order gravity, scalar-tensor-vector gravity, and galaxy rotation curves. <i>Physical Review D</i> , 2013, 88, .	4.7	10
12	Thermodynamics and Lemaitre-Tolman-Bondi void models. <i>Physical Review D</i> , 2014, 89, .	4.7	10
13	Testing spontaneous collapse through bulk heating experiments: An estimate of the background noise. <i>Physical Review A</i> , 2018, 98, .	2.5	9
14	Space-time from Collapse of the Wave-function. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2019, 74, 147-152.	1.5	9
15	Trace dynamics and division algebras: towards quantum gravity and unification. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2021, 76, 131-162.	1.5	9
16	A Comparison Between Models of Gravity Induced Decoherence. <i>Foundations of Physics</i> , 2015, 45, 1537-1560.	1.3	8
17	Dark energy as a large scale quantum gravitational phenomenon. <i>Modern Physics Letters A</i> , 2020, 35, 2050195.	1.2	8
18	Quantum gravity, minimum length and holography. <i>Pramana - Journal of Physics</i> , 2021, 95, 1.	1.8	8

#	ARTICLE	IF	CITATIONS
19	General Relativity, Torsion and Quantum Theory. Current Science, 2015, 109, 2258.	0.8	8
20	Majorana neutrinos, exceptional Jordan algebra, and mass ratios for charged fermions. Journal of Physics G: Nuclear and Particle Physics, 2022, 49, 045007.	3.6	8
21	A new length scale for quantum gravity: A resolution of the black hole information loss paradox. International Journal of Modern Physics D, 2017, 26, 1743015.	2.1	7
22	A new length scale, and modified Einstein–Cartan–Dirac equations for a point mass. International Journal of Modern Physics D, 2018, 27, 1850077.	2.1	7
23	Octonions, trace dynamics and noncommutative geometry—A case for unification in spontaneous quantum gravity. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2020, 75, 1051-1062.	1.5	7
24	How the quantum emerges from gravity. International Journal of Modern Physics D, 2014, 23, 1442007.	2.1	6
25	Quantum Theory and the Structure of Space-Time. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2018, 73, 733-739.	1.5	6
26	From quantum foundations to spontaneous quantum gravity—An overview of the new theory. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2020, 75, 833-853.	1.5	6
27	Quantum gravity effects in the infrared: a theoretical derivation of the low-energy fine structure constant and mass ratios of elementary particles. European Physical Journal Plus, 2022, 137, .	2.6	6
28	MODIFIED GRAVITY AS A COMMON CAUSE FOR COSMIC ACCELERATION AND FLAT GALAXY ROTATION CURVES. International Journal of Modern Physics D, 2012, 21, 1242002.	2.1	5
29	The Problem of Time and the Problem of Quantum Measurement. On Thinking, 2015, , 177-191.	0.5	5
30	Quantum discord as a tool for comparing collapse models and decoherence. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 3778-3785.	2.1	5
31	Nonrelativistic limit of Einstein-Cartan-Dirac equations. Physical Review D, 2018, 98, .	4.7	5
32	Einstein-Cartan-Dirac equations in the Newman-Penrose formalism. Physical Review D, 2018, 98, .	4.7	5
33	Quantum gravity as an emergent phenomenon. International Journal of Modern Physics D, 2019, 28, 1944003.	2.1	5
34	Proposal for a New Quantum Theory of Gravity. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2019, 74, 617-633.	1.5	5
35	Quantum theory without classical time: Octonions, and a theoretical derivation of the fine structure constant $1/137$. International Journal of Modern Physics D, 2021, 30, .	2.1	5
36	A possible correspondence between Ricci identities and Dirac equations in the Newman–Penrose formalism. General Relativity and Gravitation, 2014, 46, 1.	2.0	4

#	ARTICLE	IF	CITATIONS
37	Cosmic acceleration in a model of fourth order gravity. Physical Review D, 2015, 92, .	4.7	4
38	Space and Time as a Consequence of Ghirardi-Rimini-Weber Quantum Jumps. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2018, 73, 923-929.	1.5	4
39	Quantum nonlocality and the end of classical spacetime. International Journal of Modern Physics D, 2016, 25, 1644005.	2.1	3
40	Nature does not play Dice at the Planck scale. International Journal of Modern Physics D, 2020, 29, 2043012.	2.1	3
41	Trace dynamics, and a ground state in spontaneous quantum gravity. Modern Physics Letters A, 2021, 36, 2150019.	1.2	3
42	Cognitive Science and the Connection Between Physics and Mathematics. The Frontiers Collection, 2016, , 201-217.	0.2	2
43	A duality between curvature and torsion. International Journal of Modern Physics D, 2018, 27, 1847008.	2.1	2
44	Constraints on fourth order gravity from binary pulsars and gravitational waves. Physical Review D, 2017, 96, .	4.7	2
45	Path Integrals, Spontaneous Localisation, and the Classical Limit. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2020, 75, 131-141.	1.5	1
46	Is Quantum Linear Superposition an Exact Principle of Nature?. The Frontiers Collection, 2015, , 151-164.	0.2	1
47	A basic definition of spin in the new matrix dynamics. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2020, 75, 963-970.	1.5	1
48	A new length scale for quantum gravity: A resolution of the black hole information loss paradox. International Journal of Modern Physics D, 0, , 1743015.	2.1	0
49	Things, Laws, and the Human Mind. The Frontiers Collection, 2019, , 75-84.	0.2	0
50	Proposal for a New Quantum Theory of Gravity II. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2019, 74, 989-992.	1.5	0
51	Outline for a Quantum Theory of Gravity. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2019, 74, 383-386.	1.5	0