

# 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	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
2	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
3	Quantum gravity, minimum length and holography. Pramana - Journal of Physics, 2021, 95, 1.	1.8	8
4	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
5	Trace dynamics and division algebras: towards quantum gravity and unification. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2021, 76, 131-162.	1.5	9
6	Trace dynamics, and a ground state in spontaneous quantum gravity. Modern Physics Letters A, 2021, 36, 2150019.	1.2	3
7	Path Integrals, Spontaneous Localisation, and the Classical Limit. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2020, 75, 131-141.	1.5	1
8	Nature does not play Dice at the Planck scale. International Journal of Modern Physics D, 2020, 29, 2043012.	2.1	3
9	Dark energy as a large scale quantum gravitational phenomenon. Modern Physics Letters A, 2020, 35, 2050195.	1.2	8
10	Proposal for a New Quantum Theory of Gravity III: Equations for Quantum Gravity, and the Origin of Spontaneous Localisation. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2020, 75, 143-154.	1.5	12
11	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
12	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
13	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
14	Quantum gravity as an emergent phenomenon. International Journal of Modern Physics D, 2019, 28, 1944003.	2.1	5
15	Proposal for a New Quantum Theory of Gravity. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2019, 74, 617-633.	1.5	5
16	Things, Laws, and the Human Mind. The Frontiers Collection, 2019, , 75-84.	0.2	0
17	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
18	Space-time from Collapse of the Wave-function. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2019, 74, 147-152.	1.5	9

#	ARTICLE	IF	CITATIONS
19	Outline for a Quantum Theory of Gravity. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2019, 74, 383-386.	1.5	0
20	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
21	Testing spontaneous collapse through bulk heating experiments: An estimate of the background noise. Physical Review A, 2018, 98, .	2.5	9
22	Nonrelativistic limit of Einstein-Cartan-Dirac equations. Physical Review D, 2018, 98, .	4.7	5
23	A duality between curvature and torsion. International Journal of Modern Physics D, 2018, 27, 1847008.	2.1	2
24	Einstein-Cartan-Dirac equations in the Newman-Penrose formalism. Physical Review D, 2018, 98, .	4.7	5
25	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
26	Quantum Theory and the Structure of Space-Time. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2018, 73, 733-739.	1.5	6
27	Spacetime Fluctuations and a Stochastic Schrödinger-Newton Equation. Foundations of Physics, 2017, 47, 897-910.	1.3	24
28	Constraints on modified gravity models from white dwarfs. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 004-004.	5.4	48
29	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
30	Constraints on fourth order gravity from binary pulsars and gravitational waves. Physical Review D, 2017, 96, .	4.7	2
31	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
32	Quantum nonlocality and the end of classical spacetime. International Journal of Modern Physics D, 2016, 25, 1644005.	2.1	3
33	Cognitive Science and the Connection Between Physics and Mathematics. The Frontiers Collection, 2016, , 201-217.	0.2	2
34	Stochastic modification of the Schrödinger-Newton equation. Physical Review D, 2015, 92, .	4.7	29
35	Cosmic acceleration in a model of fourth order gravity. Physical Review D, 2015, 92, .	4.7	4
36	Possible role of gravity in collapse of the wave-function: a brief survey of some ideas. Journal of Physics: Conference Series, 2015, 626, 012009.	0.4	14

#	ARTICLE	IF	CITATIONS
37	A proposal for the experimental detection of CSL induced random walk. Scientific Reports, 2015, 5, 7664.	3.3	25
38	The Problem of Time and the Problem of Quantum Measurement. On Thinking, 2015, , 177-191.	0.5	5
39	A Comparison Between Models of Gravity Induced Decoherence. Foundations of Physics, 2015, 45, 1537-1560.	1.3	8
40	General Relativity, Torsion and Quantum Theory. Current Science, 2015, 109, 2258.	0.8	8
41	Is Quantum Linear Superposition an Exact Principle of Nature?. The Frontiers Collection, 2015, , 151-164.	0.2	1
42	A possible correspondence between Ricci identities and Dirac equations in the Newmanâ€“Penrose formalism. General Relativity and Gravitation, 2014, 46, 1.	2.0	4
43	How the quantum emerges from gravity. International Journal of Modern Physics D, 2014, 23, 1442007.	2.1	6
44	Thermodynamics and Lemaitre-Tolman-Bondi void models. Physical Review D, 2014, 89, .	4.7	10
45	Fourth order gravity, scalar-tensor-vector gravity, and galaxy rotation curves. Physical Review D, 2013, 88, .	4.7	10
46	Models of wave-function collapse, underlying theories, and experimental tests. Reviews of Modern Physics, 2013, 85, 471-527.	45.6	775
47	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
48	Statistical Thermodynamics for a Non-commutative Special Relativity: Emergence of a Generalized Quantum Dynamics. Foundations of Physics, 2012, 42, 1556-1572.	1.3	17
49	Trace Dynamics and a non-commutative special relativity. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 3747-3750.	2.1	17
50	Quantum gravitational corrections to the functional SchrÃ¶dinger equation. Physical Review D, 1991, 44, 1067-1076.	4.7	147
51	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