

Ward Struyve

List of Publications by Year in descending order

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623734

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580821

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42
all docs

42
docs citations

42
times ranked

216
citing authors

#	ARTICLE	IF	CITATIONS
1	Can Bohmian mechanics be made relativistic?. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2014, 470, 20130699.	2.1	86
2	A Dirac sea pilot-wave model for quantum field theory. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 7309-7341.	2.1	80
3	Pilot-wave theory and quantum fields. Reports on Progress in Physics, 2010, 73, 106001.	20.1	75
4	Gauge invariant accounts of the Higgs mechanism. Studies in History and Philosophy of Science Part B - Studies in History and Philosophy of Modern Physics, 2011, 42, 226-236.	1.4	51
5	Quantum-to-classical transition of primordial cosmological perturbations in de Broglie-Bohm quantum theory. Physical Review D, 2012, 85, .	4.7	49
6	On the Uniqueness of Quantum Equilibrium in Bohmian Mechanics. Journal of Statistical Physics, 2007, 128, 1197-1209.	1.2	41
7	de Broglie-Bohm guidance equations for arbitrary Hamiltonians. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 035301.	2.1	32
8	Pilot-wave approaches to quantum field theory. Journal of Physics: Conference Series, 2011, 306, 012047.	0.4	31
9	Wheeler-DeWitt quantization and singularities. Physical Review D, 2015, 91, .	4.7	23
10	On the uniqueness of paths for spin-0 and spin-1 quantum mechanics. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 322, 84-95.	2.1	21
11	A minimalist pilot-wave model for quantum electrodynamics. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2007, 463, 3115-3129.	2.1	21
12	Quantum non-equilibrium and relaxation to equilibrium for a class of de Broglie-Bohm-type theories. New Journal of Physics, 2010, 12, 043008.	2.9	17
13	Quantum-to-classical transition of primordial cosmological perturbations in de Broglie-Bohm quantum theory: The bouncing scenario. Physical Review D, 2014, 89, .	4.7	15
14	Semi-classical approximations based on Bohmian mechanics. International Journal of Modern Physics A, 2020, 35, 2050070.	1.5	15
15	Weak measurement and Bohmian conditional wave functions. Annals of Physics, 2014, 350, 166-178.	2.8	14
16	Bohmian Quantum Gravity and Cosmology. , 2019, , 607-664.		13
17	Loop quantum cosmology and singularities. Scientific Reports, 2017, 7, 8161.	3.3	12
18	A new pilot-wave model for quantum field theory. AIP Conference Proceedings, 2006, , .	0.4	11

#	ARTICLE	IF	CITATIONS
19	Chaotic Bohmian trajectories for stationary states. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 395301.	2.1	10
20	Questioning the adequacy of certain quantum arrival-time distributions. Physical Review A, 2021, 104, .	2.5	10
21	Comment on "Bohmian prediction about a two double-slit experiment and its disagreement with standard quantum mechanics". Journal of Physics A, 2003, 36, 1525-1530.	1.6	9
22	On quantum potential dynamics. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 025303.	2.1	9
23	Towards a Novel Approach to Semi-Classical Gravity. , 0, , 356-374.		9
24	Elimination of cosmological singularities in quantum cosmology by suitable operator orderings. Physical Review D, 2019, 100, .	4.7	6
25	On the zig-zag pilot-wave approach for fermions. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 195307.	2.1	5
26	On Peres' Statement "Opposite Momenta Lead to Opposite Directions," Decaying Systems and Optical Imaging. Foundations of Physics, 2004, 34, 963-985.	1.3	4
27	Bohmian trajectories for a time foliation with kinks. Journal of Geometry and Physics, 2014, 82, 75-83.	1.4	4
28	Cosmic acceleration from quantum Friedmann equations. Classical and Quantum Gravity, 2020, 37, 085006.	4.0	4
29	The Bohmian Approach to the Problems of Cosmological Quantum Fluctuations. British Journal for the Philosophy of Science, 0, , .	2.3	4
30	On Epstein's Trajectory Model of Non-Relativistic Quantum Mechanics. Foundations of Physics, 2010, 40, 1700-1711.	1.3	3
31	Quantum Einstein equations. Classical and Quantum Gravity, 2020, 37, 135002.	4.0	3
32	Typicality in the Foundations of Statistical Physics and Born's Rule. Fundamental Theories of Physics, 2021, , 35-43.	0.3	3
33	Diffraction and interference with run-and-tumble particles. Physica A: Statistical Mechanics and Its Applications, 2022, , 127323.	2.6	3
34	Bohmian mechanics for a degenerate time foliation. Quantum Studies: Mathematics and Foundations, 2015, 2, 349-358.	0.9	2
35	Wheeler's "DeWitt quantization for point-particles. General Relativity and Gravitation, 2021, 53, 1.	2.0	2
36	Time reversal invariance and ontology. British Journal for the Philosophy of Science, 0, , .	2.3	2

#	ARTICLE	IF	CITATIONS
37	Bohmian trajectories for the half-line barrier. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 085302.	2.1	1
38	Comparison of the mean field and Bohmian semi-classical approximations to the Rabi model. International Journal of Modern Physics B, 0, , 2150270.	2.0	1
39	THE BOHMIAN EVOLUTION OF PRIMORDIAL PERTURBATIONS. , 2015, , .		0
40	Wave mechanics for gravity with point-particles. Classical and Quantum Gravity, 2021, 38, 175003.	4.0	0
41	Une r�alit� classique derri�re lâ€™�tranget� quantique�?. Purlascience Fr, 2020, N� 509 - mars, 32-39.0		0