

Ward Struyve

List of Publications by Year in descending order

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41
papers

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623734

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docs citations

42
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Diffraction and interference with run-and-tumble particles. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, , 127323.	2.6	3
2	Wheeler's DeWitt quantization for point-particles. <i>General Relativity and Gravitation</i> , 2021, 53, 1.	2.0	2
3	Wave mechanics for gravity with point-particles. <i>Classical and Quantum Gravity</i> , 2021, 38, 175003.	4.0	0
4	Typicality in the Foundations of Statistical Physics and Born's Rule. <i>Fundamental Theories of Physics</i> , 2021, , 35-43.	0.3	3
5	Questioning the adequacy of certain quantum arrival-time distributions. <i>Physical Review A</i> , 2021, 104, .	2.5	10
6	Quantum Einstein equations. <i>Classical and Quantum Gravity</i> , 2020, 37, 135002.	4.0	3
7	Semi-classical approximations based on Bohmian mechanics. <i>International Journal of Modern Physics A</i> , 2020, 35, 2050070.	1.5	15
8	Cosmic acceleration from quantum Friedmann equations. <i>Classical and Quantum Gravity</i> , 2020, 37, 085006.	4.0	4
9	Une réalité classique derrière la mécanique quantique? <i>Pour la science</i> Fr, 2020, N° 509 - mars, 32-39.	0	0
10	Elimination of cosmological singularities in quantum cosmology by suitable operator orderings. <i>Physical Review D</i> , 2019, 100, .	4.7	6
11	Bohmian Quantum Gravity and Cosmology. , 2019, , 607-664.		13
12	Bohmian trajectories for the half-line barrier. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2018, 51, 085302.	2.1	1
13	Loop quantum cosmology and singularities. <i>Scientific Reports</i> , 2017, 7, 8161.	3.3	12
14	Chaotic Bohmian trajectories for stationary states. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2016, 49, 395301.	2.1	10
15	THE BOHMIAN EVOLUTION OF PRIMORDIAL PERTURBATIONS. , 2015, , .		0
16	Bohmian mechanics for a degenerate time foliation. <i>Quantum Studies: Mathematics and Foundations</i> , 2015, 2, 349-358.	0.9	2
17	Wheeler-DeWitt quantization and singularities. <i>Physical Review D</i> , 2015, 91, .	4.7	23
18	On quantum potential dynamics. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 025303.	2.1	9

#	ARTICLE	IF	CITATIONS
19	Quantum-to-classical transition of primordial cosmological perturbations in de Broglie-Bohm quantum theory: The bouncing scenario. <i>Physical Review D</i> , 2014, 89, .	4.7	15
20	Can Bohmian mechanics be made relativistic?. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2014, 470, 20130699.	2.1	86
21	Weak measurement and Bohmian conditional wave functions. <i>Annals of Physics</i> , 2014, 350, 166-178.	2.8	14
22	Bohmian trajectories for a time foliation with kinks. <i>Journal of Geometry and Physics</i> , 2014, 82, 75-83.	1.4	4
23	On the zig-zag pilot-wave approach for fermions. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 195307.	2.1	5
24	Quantum-to-classical transition of primordial cosmological perturbations in de Broglie-Bohm quantum theory. <i>Physical Review D</i> , 2012, 85, .	4.7	49
25	Pilot-wave approaches to quantum field theory. <i>Journal of Physics: Conference Series</i> , 2011, 306, 012047.	0.4	31
26	Gauge invariant accounts of the Higgs mechanism. <i>Studies in History and Philosophy of Science Part B - Studies in History and Philosophy of Modern Physics</i> , 2011, 42, 226-236.	1.4	51
27	On Epstein's Trajectory Model of Non-Relativistic Quantum Mechanics. <i>Foundations of Physics</i> , 2010, 40, 1700-1711.	1.3	3
28	Pilot-wave theory and quantum fields. <i>Reports on Progress in Physics</i> , 2010, 73, 106001.	20.1	75
29	Quantum non-equilibrium and relaxation to equilibrium for a class of de Broglie-Bohm-type theories. <i>New Journal of Physics</i> , 2010, 12, 043008.	2.9	17
30	de Broglie-Bohm guidance equations for arbitrary Hamiltonians. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009, 42, 035301.	2.1	32
31	A Dirac sea pilot-wave model for quantum field theory. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2007, 40, 7309-7341.	2.1	80
32	A minimalist pilot-wave model for quantum electrodynamics. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2007, 463, 3115-3129.	2.1	21
33	On the Uniqueness of Quantum Equilibrium in Bohmian Mechanics. <i>Journal of Statistical Physics</i> , 2007, 128, 1197-1209.	1.2	41
34	A new pilot-wave model for quantum field theory. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	11
35	On Peres' Statement "Opposite Momenta Lead to Opposite Directions," Decaying Systems and Optical Imaging. <i>Foundations of Physics</i> , 2004, 34, 963-985.	1.3	4
36	On the uniqueness of paths for spin-0 and spin-1 quantum mechanics. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004, 322, 84-95.	2.1	21

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37	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
38	Towards a Novel Approach to Semi-Classical Gravity. , 0, , 356-374.		9
39	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
40	Time reversal invariance and ontology. British Journal for the Philosophy of Science, 0, , .	2.3	2
41	The Bohmian Approach to the Problems of Cosmological Quantum Fluctuations. British Journal for the Philosophy of Science, 0, , .	2.3	4