

Charis Anastopoulos

List of Publications by Year in descending order

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63
papers

1,117
citations

394421

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31
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64
all docs

64
docs citations

64
times ranked

555
citing authors

#	ARTICLE	IF	CITATIONS
1	Gravitational decoherence: A thematic overview. AVS Quantum Science, 2022, 4, .	4.9	8
2	Gravity, Quantum Fields and Quantum Information: Problems with Classical Channel and Stochastic Theories. Entropy, 2022, 24, 490.	2.2	6
3	Quantum Information in Relativity: The Challenge of QFT Measurements. Entropy, 2022, 24, 4.	2.2	9
4	Classification theorem and properties of singular solutions to the Tolman–Oppenheimer–Volkoff equation. Classical and Quantum Gravity, 2021, 38, 075024.	4.0	6
5	Mind–Body Interaction and Modern Physics. Foundations of Physics, 2021, 51, 1.	1.3	0
6	Gravitational decoherence of photons. Classical and Quantum Gravity, 2021, 38, 115012.	4.0	11
7	Gravitational effects in macroscopic quantum systems: a first-principles analysis. Classical and Quantum Gravity, 2021, 38, 155012.	4.0	17
8	Goals and feasibility of the deep space quantum link. , 2021, , .		4
9	Thermodynamics and phase transitions of black holes in contact with a gravitating heat bath. Classical and Quantum Gravity, 2021, 38, 195026.	4.0	2
10	Relativistic quantum thermodynamics of moving systems. Physical Review D, 2020, 102, .	4.7	13
11	Detectors interacting through quantum fields: Non-Markovian effects, nonperturbative generation of correlations, and apparent noncausality. Physical Review A, 2020, 102, .	2.5	4
12	Multi-time measurements in Hawking radiation: information at higher-order correlations. Classical and Quantum Gravity, 2020, 37, 025015.	4.0	3
13	Quantum superposition of two gravitational cat states. Classical and Quantum Gravity, 2020, 37, 235012.	4.0	34
14	How black holes store information in high-order correlations. International Journal of Modern Physics D, 2020, 29, 2043011.	2.1	0
15	Time of arrival and localization of relativistic particles. Journal of Mathematical Physics, 2019, 60, 032301.	1.1	19
16	Decays of Unstable Quantum Systems. International Journal of Theoretical Physics, 2019, 58, 890-930.	1.2	10
17	Equivalence principle for quantum systems: dephasing and phase shift of free-falling particles. Classical and Quantum Gravity, 2018, 35, 035011.	4.0	31
18	Time-of-arrival correlations. Physical Review A, 2017, 95, .	2.5	14

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19	Non-Markovian time evolution of an accelerated qubit. <i>Physical Review D</i> , 2017, 95, .	4.7	33
20	Path of a tunneling particle. <i>Physical Review A</i> , 2017, 95, .	2.5	4
21	The thermodynamics of a black hole in equilibrium implies the breakdown of Einstein equations on a macroscopic near-horizon shell. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	7
22	Probing a gravitational cat state. <i>Classical and Quantum Gravity</i> , 2015, 32, 165022.	4.0	63
23	Real-time particle-detection probabilities in accelerated macroscopic detectors. <i>General Relativity and Gravitation</i> , 2015, 47, 1.	2.0	6
24	The thermodynamics of self-gravitating systems in equilibrium is holographic. <i>Classical and Quantum Gravity</i> , 2014, 31, 055003.	4.0	14
25	Quantum temporal probabilities in tunneling systems. <i>Annals of Physics</i> , 2013, 336, 281-308.	2.8	13
26	A master equation for gravitational decoherence: probing the textures of spacetime. <i>Classical and Quantum Gravity</i> , 2013, 30, 165007.	4.0	99
27	Entropy of singularities in self-gravitating radiation. <i>Classical and Quantum Gravity</i> , 2012, 29, 025004.	4.0	9
28	Coherences of accelerated detectors and the local character of the Unruh effect. <i>Journal of Mathematical Physics</i> , 2012, 53, .	1.1	15
29	Time-of-arrival probabilities for general particle detectors. <i>Physical Review A</i> , 2012, 86, .	2.5	37
30	Non-Markovian dynamics and entanglement of two-level atoms in a common field. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 065301.	2.1	19
31	Consistent thermodynamics for spin echoes. <i>Physical Review E</i> , 2011, 83, 021118.	2.1	6
32	The rotating-wave approximation: consistency and applicability from an open quantum system analysis. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010, 43, 405304.	2.1	66
33	Non-Markovian entanglement dynamics of two qubits interacting with a common electromagnetic field. <i>Quantum Information Processing</i> , 2009, 8, 549-563.	2.2	28
34	Gravitational backreaction in cosmological spacetimes. <i>Physical Review D</i> , 2009, 79, .	4.7	2
35	Time-of-arrival probabilities and quantum measurements. III. Decay of unstable states. <i>Journal of Mathematical Physics</i> , 2008, 49, 022103.	1.1	16
36	Intrinsic and fundamental decoherence: issues and problems. <i>Classical and Quantum Gravity</i> , 2008, 25, 154003.	4.0	33

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37	Time-of-arrival probabilities and quantum measurements. II. Application to tunneling times. Journal of Mathematical Physics, 2008, 49, 022101.	1.1	14
38	Quantum probabilities for time-extended alternatives. Journal of Mathematical Physics, 2007, 48, 032106.	1.1	10
39	Time-of-arrival probabilities and quantum measurements. Journal of Mathematical Physics, 2006, 47, 122106.	1.1	47
40	Classical Versus Quantum Probability in Sequential Measurements. Foundations of Physics, 2006, 36, 1601-1661.	1.3	15
41	Glafka 2004: Some Remarks on the Role of Complex Numbers in Quantum Theory. International Journal of Theoretical Physics, 2006, 45, 1483-1494.	1.2	0
42	Minisuperspace models in histories theory. Classical and Quantum Gravity, 2005, 22, 1841-1866.	4.0	21
43	Quantum probabilities versus event frequencies. Brazilian Journal of Physics, 2005, 35, 503-508.	1.4	0
44	Generalized coherent states for spinning relativistic particles. Journal of Physics A, 2004, 37, 8619-8637.	1.6	2
45	SPIN-STATISTICS THEOREM AND GEOMETRIC QUANTIZATION. International Journal of Modern Physics A, 2004, 19, 655-676.	1.5	2
46	On the relation between quantum mechanical probabilities and event frequencies. Annals of Physics, 2004, 313, 368-382.	2.8	9
47	Quantum Versus Stochastic Processes and the Role of Complex Numbers. International Journal of Theoretical Physics, 2003, 42, 1229-1256.	1.2	2
48	Quantum processes on phase space. Annals of Physics, 2003, 303, 275-320.	2.8	21
49	The role of phase space geometry in Heisenberg's uncertainty relation. Annals of Physics, 2003, 308, 329-353.	2.8	9
50	Quantum Mechanical Histories and the Berry Phase. International Journal of Theoretical Physics, 2002, 41, 529-540.	1.2	7
51	Frequently Asked Questions About Decoherence. International Journal of Theoretical Physics, 2002, 41, 1573-1590.	1.2	21
52	Quantum Theory Without Hilbert Spaces. Foundations of Physics, 2001, 31, 1545-1580.	1.3	10
53	Quantum correlation functions and the classical limit. Physical Review D, 2001, 63, .	4.7	10
54	Continuous-time histories: Observables, probabilities, phase space structure and the classical limit. Journal of Mathematical Physics, 2001, 42, 3225-3259.	1.1	17

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55	Histories quantization of parameterized systems: I. Development of a general algorithm. Classical and Quantum Gravity, 2000, 17, 2463-2489.	4.0	21
56	Two-level atom-field interaction: Exact master equations for non-Markovian dynamics, decoherence, and relaxation. Physical Review A, 2000, 62, .	2.5	83
57	Classical Limit(s) of Quantum Field Theories. International Journal of Theoretical Physics, 1999, 38, 2721-2731.	1.2	0
58	Preferred Consistent History Sets. International Journal of Theoretical Physics, 1998, 37, 2261-2272.	1.2	6
59	Coarse grainings and irreversibility in quantum field theory. Physical Review D, 1997, 56, 1009-1020.	4.7	16
60	n-particle sector of field theory as a quantum open system. Physical Review D, 1997, 56, 6702-6705.	4.7	3
61	Decoherence and classical predictability of phase-space histories. Physical Review E, 1996, 53, 4711-4722.	2.1	11
62	Quantum theory of nonrelativistic particles interacting with gravity. Physical Review D, 1996, 54, 1600-1605.	4.7	27
63	Generalized uncertainty relations and long-time limits for quantum Brownian motion models. Physical Review D, 1995, 51, 6870-6885.	4.7	63