J S Ardenghi

List of Publications by Year
in descending order

49 papers	300 citations	933447 10 h-index	1058476 14 g-index
49 all docs	49 docs citations	49 times ranked	194 citing authors

#	Article	IF	Citations
1	The modal-Hamiltonian interpretation and the Galilean covariance of quantum mechanics. Studies in History and Philosophy of Science Part B - Studies in History and Philosophy of Modern Physics, 2010, 41, 93-103.	1.4	28
2	Quantum Mechanics: Modal Interpretation andÂGalilean Transformations. Foundations of Physics, 2009, 39, 1023-1045.	1.3	25
3	Entanglement harvesting in double-layer graphene by vacuum fluctuations in a microcavity. Physical Review D, 2018, 98, .	4.7	15
4	Modal-Hamiltonian Interpretation of Quantum Mechanics and Casimir Operators: The Road Toward Quantum Field Theory. International Journal of Theoretical Physics, 2011, 50, 774-791.	1.2	11
5	Landau level transitions in doped graphene in a time dependent magnetic field. Physica B: Condensed Matter, 2013, 427, 97-105.	2.7	11
6			

#	Article	IF	Citations
19	Formation of localized magnetic states in graphene in hollow-site adsorbed adatoms. Superlattices and Microstructures, 2018, 113, 291-300.	3.1	7
20	The Modal-Hamiltonian Interpretation of Quantum Mechanics as a Kind of â€œAtomicâ€•Interpretation. Research Letters in Physics, 2011, 2011, 1-10.	0.2	6
21	FOUNDATIONS OF QUANTUM MECHANICS: DECOHERENCE AND INTERPRETATION. International Journal of Modern Physics D, 2011, 20, 861-875.	2.1	6
22	Ballistic transport properties in pristine/doped/pristine graphene junctions. Superlattices and Microstructures, 2014, 72, 325-335.	3.1	5
23	Impurity effects in the magnetic oscillations on doped graphene with Zeeman splitting. Physica B: Condensed Matter, 2017, 518, 39-46.	2.7	5
24	Modal Interpretations and Consecutive Measurements. , 2013, , 207-217.		5
25	The nonrelativistic limit of (central-extended) PoincarÃ© group and some consequences for quantum actualization. Journal of Mathematical Physics, 2009, 50, 103526.	1.1	4
26	The hydrogen interaction in an FCC FePd alloy with a vacancy. Physica Scripta, 2009, 79, 045702.	2.5	4
27	Renormalization: The observable-state model. Physical Review D, 2012, 85, .	4.7	4
28	Approximate solutions to the quantum problem of two opposite charges in a constant magnetic field. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 1817-1823.	2.1	4
29	Influence of temperature on the magnetic oscillations in graphene with spin splitting: a new approach. Journal of Physics Condensed Matter, 2018, 30, 275803.	1.8	4
30	Renormalization: The observable-state model. II. Physical Review D, 2012, 85, .	4.7	3
31	Dynamical diffusion and renormalization group equation for the Fermi velocity in doped graphene. Physica B: Condensed Matter, 2014, 452, 92-101.	2.7	3
32	Entanglement entropy between real and virtual particles in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow><mml:mi>Ï•</mml:mi></mml:mrow><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:msup></mml:mrow></mml field theory. Physical Review D, 2015, 91, .	4.7	3
33	Electronic properties of Cantor random box distribution of impurities in graphene. Superlattices and Microstructures, 2016, 89, 398-408.	3.1	3
34	Effective interactions in twisted double-layer graphene in a microcavity. Journal of Physics Condensed Matter, 2020, 32, 345603.	1.8	3
35	THE OBSERVABLE-STATE MODEL AND NONRENORMALIZABLE THEORIES. International Journal of Modern Physics A, 2013, 28, 1350016.	1.5	2
36	Entanglement entropy between virtual and real excitations in quantum electrodynamics. International Journal of Modern Physics A, 2018, 33, 1850081.	1.5	2

#	Article	IF	Citations
37	Temperature effect on the magnetic oscillations in 2D materials. Journal of Physics Condensed Matter, 2019, 31, 285804.	1.8	2
38	Formation of localized magnetic states in silicene in an external electric field. Superlattices and Microstructures, 2019, 130, 285-296.	3.1	2
39	A general formulation for the magnetic oscillations in two dimensional systems. European Physical Journal B, 2020, 93, 1.	1.5	2
40	Fermi velocity reduction in graphene due to enhanced vacuum fluctuations. Journal of Physics Condensed Matter, 2021, 33, 485502.	1.8	2
41	Cavity-mediated drag in double-layer graphene. Journal of Physics Condensed Matter, 2022, 34, 395602.	1.8	2
42	Analytic solution for gauged Dirac-Weyl equation in (2 + 1)-dimensions. Europhysics Letters, 2017, 118, 21001.	2.0	1
43	Fractional statistical potential in graphene. Physica B: Condensed Matter, 2017, 508, 51-55.	2.7	1
44	Zero energy mode for an electron in graphene in a perpendicular magnetic field with constant asymptotics. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 109, 225-227.	2.7	1
45	Quantum credit loans. Physica A: Statistical Mechanics and Its Applications, 2021, 567, 125656.	2.6	1
46	Correlations in twisted double-layer graphene with virtual photons in a microcavity. Journal of Physics Condensed Matter, 2022, 34, 115602.	1.8	1
47	How Different Interpretations of Quantum Mechanics can Enrich Each Other: The Case of the Relational Quantum Mechanics and the Modal-Hamiltonian Interpretation. Foundations of Physics, 2022, 52, .	1.3	1
48	Growing Classical and Quantum Entropies in the Early Universe. International Journal of Theoretical Physics, 2010, 49, 171-186.	1.2	0
49	Heat capacity in doped graphene under magnetic fields: the role of spin splitting. Journal of Physics Condensed Matter, 2020, 32, 455402.	1.8	0