Rafael Sala Mayato

List of Publications by Year
in descending order

33 papers	675 citations	623734 14 h-index	552781 26 g-index
35 all docs	35 docs citations	35 times ranked	192 citing authors

#	Article	IF	Citations
1	Generating M-Indeterminate Probability Densities by Way of Quantum Mechanics. Journal of Theoretical Probability, 2022, 35, 1537-1555.	0.8	3
2	M-indeterminate distributions in quantum mechanics and the non-overlapping wave function paradox. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 2914-2921.	2.1	3
3	Discriminating between the von Neumann and LÃ¼ders reduction rule. Physical Review A, 2012, 85, .	2.5	11
4	Discrimination of measurement contexts in quantum mechanics. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 3167-3170.	2.1	6
5	â€œSuperluminalâ€•transmission via entanglement, superoscillations, and quasi-Dirac distributions. Physical Review A, 2010, 81, .	2.5	15
6	Feynman-path analysis of Hardy's paradox: Measurements and the uncertainty principle. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 3784-3791.	2.1	8
7	Path integrals, the ABL rule and the three-box paradox. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 6578-6583.	2.1	10
8	Quantum Clocks and Stopwatches. , 2008, , 235-278.		3
9	General N-box problem. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 359, 416-423.	2.1	5
10	Simultaneous histories, path sums, and measurements for noncommuting variables. Physical Review A, 2006, 73, .	2.5	8
11	Path summation and von Neumannâ€“like quantum measurements. Physical Review A, 2005, 71, .	2.5	11
12	Action scales for quantum decoherence and their relation to structures in phase space. Physical Review A, 2004, 69, .	2.5	4
13	Quantum time-of-flight measurements: Kicked clock versus continuous clock. Physical Review A, 2003, 67, .	2.5	17
14	First-arrival-time distributions for a Dirac electron in1+1dimensions. Physical Review A, 2002, 66, .	2.5	3
15	On constructing the wave function of a quantum particle from its Wigner phase-space distribution function. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 280, 163-172.	2.1	7
16	Comment on â€œFoundations of quantum mechanics: Connection with stochastic processesâ€• Physical Review A, 2001, 64, .	2.5	2
17	Time-of-arrival distributions from position-momentum and energy-time joint measurements. Physical Review A, 2000, 61, .	2.5	28
18	Time-of-arrival distribution for arbitrary potentials and Wignerâ€™s time-energy uncertainty relation. Physical Review A, 2000, 61, .	2.5	63

#	Article	IF	Citations
19	Superluminal systematic particle velocity in relativistic stochastic Bohmian mechanics. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 263, 1-8.	2.1	3
20	Are predicted superluminal tunneling times an artifact of using the nonrelativistic SchrÃ¶dinger equation?. Annalen Der Physik, 1998, 7, 662-670.	2.4	18
21	The time of arrival concept in quantum mechanics. Superlattices and Microstructures, 1998, 23, 833-842.	3.1	53
22	Average local values and local variances in quantum mechanics. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 238, 90-94.	2.1	26
23	Phase space formalisms of quantum mechanics with singular kernel. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 231, 304-310.	2.1	19
24	Comparison of positive flux operators for transition state theory using a solvable model. Journal of Chemical Physics, 1996, 104, 7015-7026.	3.0	16
25	Wigner function for the square barrier. Solid State Communications, 1995, 94, 877-882.	1.9	9
26	The influence functional: application to tunnelling. Journal of Physics A, 1995, 28, 6233-6244.	1.6	8
27	Systematic approach to define and classify quantum transmission and reflection times. Physical Review A, 1994, 49, 4312-4325.	2.5	111
28	Quantal methods for classical dynamics in Liouville space. Physics Letters, Section A: General, Atomic and Solid State Physics, 1994, 192, 180-184.	2.1	10
29	Wigner trajectories and Liouvilleâ€™s theorem. Journal of Chemical Physics, 1993, 99, 2708-2714.	3.0	43
30	Transmission, Reflection, and Interference Contributions to the Tunnelling Dwell Time. Europhysics Letters, 1993, 22, 159-165.	2.0	22
31	Comparison of classical and quantal evolution of phase space distribution functions. Physica Scripta, 1993, 47, 732-739.	2.5	27
32	Equivalence between tunnelling times based on: (a) absorption probabilities, (b) the Larmor clock, and (c) scattering projectors. Journal of Physics Condensed Matter, 1992, 4, L579-L584.	1.8	23
33	Transmission and reflection tunneling times. Physics Letters, Section A: General, Atomic and Solid State Physics, 1992, 167, 24-28.	2.1	74