

Roberto Romo

List of Publications by Year in descending order

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30
papers

273
citations

759233

12
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16
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all docs

30
docs citations

30
times ranked

112
citing authors

#	ARTICLE	IF	CITATIONS
1	Description of overlapping resonances in multibarrier tunneling structures. <i>Physical Review B</i> , 1993, 47, 9572-9576.	3.2	25
2	Survival probability of a single resonance. <i>Journal of Physics A</i> , 2001, 34, 4155-4165.	1.6	24
3	Dynamic polarization tunneling: A spin filtering mechanism. <i>Physical Review B</i> , 2005, 72, .	3.2	18
4	Transient tunneling effects of resonance doublets in triple barrier systems. <i>Physical Review B</i> , 2002, 66, .	3.2	17
5	Tunneling and delay time of cutoff Gaussian wave packets. <i>Physical Review A</i> , 2007, 75, .	2.5	17
6	Dynamical description of the buildup process in resonant tunneling: Evidence of exponential and nonexponential contributions. <i>Physical Review B</i> , 1999, 60, R2142-R2145.	3.2	16
7	Nonexponential tunneling decay of a single ultracold atom. <i>Physical Review A</i> , 2016, 93, .	2.5	16
8	Survival probability of multibarrier resonance systems: Exact analytical approach. <i>Physical Review B</i> , 2007, 76, .	3.2	15
9	Quantum-wave evolution in a step potential barrier. <i>Physical Review A</i> , 2002, 66, .	2.5	14
10	Decay widths for double-barrier resonant tunneling. <i>Journal of Applied Physics</i> , 1991, 69, 3612-3615.	2.5	13
11	Dynamical analysis of the buildup process near resonance. <i>Applied Physics Letters</i> , 2000, 77, 379-381.	3.3	13
12	Buildup dynamics of transmission resonances in superlattices. <i>Physical Review B</i> , 2002, 66, .	3.2	12
13	Role of the buildup oscillations on the speed of resonant tunneling diodes. <i>Applied Physics Letters</i> , 2001, 78, 1769-1771.	3.3	10
14	Unified analytical description of the time evolution of decay for initial states formed by wave-packet scattering and by initial decaying states in quantum systems. <i>Physical Review A</i> , 2011, 84, .	2.5	10
15	Internal dynamics of multibarrier systems for pulsed quantum decay. <i>Physical Review A</i> , 2009, 79, .	2.5	9
16	Resonance forerunners in superlattices. <i>Physical Review B</i> , 2003, 68, .	3.2	8
17	Strong overlap and transmission in triple-barrier resonant structures. <i>Physical Review B</i> , 1994, 49, 14016-14019.	3.2	7
18	Effect of disorder in specific realizations of multibarrier random systems. <i>Physical Review B</i> , 1997, 56, 4845-4852.	3.2	5

#	ARTICLE	IF	CITATIONS
19	Exponential and nonexponential buildup in resonant tunneling. <i>Physical Review A</i> , 2013, 87, .	2.5	4
20	Interference in the time domain of a decaying particle with itself as the physical mechanism for the exponential-nonexponential transition in quantum decay. <i>Physical Review A</i> , 2019, 100, .	2.5	4
21	Unitariness of quantum tunneling decay for an analytical exact non-Hermitian resonant-state approach. <i>Annals of Physics</i> , 2021, 424, 168348.	2.8	4
22	Time evolution of initial states that extend beyond the potential interaction region in quantum decay. <i>Physical Review A</i> , 2016, 94, .	2.5	3
23	Absorption dynamics and delay time in complex potentials. <i>Physica Scripta</i> , 2018, 93, 055201.	2.5	3
24	Description of resonant tunneling near threshold. <i>Physical Review B</i> , 1994, 50, 15142-15147.	3.2	2
25	Trapping effects in wave-packet scattering in a double-quantum-dot Aharonov-Bohm interferometer. <i>Physical Review B</i> , 2012, 86, .	3.2	2
26	Buildup of symmetrization entanglement for the nonescape probability of two identical particles. <i>Physical Review A</i> , 2017, 96, .	2.5	2
27	Transient behavior of pulse propagation in a double-quantum-dot Aharonov-Bohm interferometer. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012, 46, 149-154.	2.7	0
28	Effect of the resonance spectra in the propagation of two decaying entangled particles. <i>Journal of Physics: Conference Series</i> , 2019, 1275, 012029.	0.4	0
29	Fabricación de un prototipo óptico para experimentos de interacción luz-materia. <i>Revista De Ciencias Tecnológicas</i> , 2020, 2, 58-65.	0.1	0
30	Tunelaje Cuántico en Potenciales Graduales. <i>Revista De Ciencias Tecnológicas</i> , 2020, 2, 50-57.	0.1	0