

# Juan Gonzalo Muga

## List of Publications by Year in descending order

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258  
papers

10,381  
citations

47006

47  
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42399

92  
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263  
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263  
docs citations

263  
times ranked

2965  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast and robust particle shuttling for quantum science and technology. <i>Europhysics Letters</i> , 2021, 134, 23001.	2.0	7
2	Shortcuts to adiabatic rotation of a two-ion chain. <i>Quantum Science and Technology</i> , 2021, 6, 045023.	5.8	1
3	Heat rectification with a minimal model of two harmonic oscillators. <i>Physical Review E</i> , 2021, 103, 012134.	2.1	10
4	Quantum-optical implementation of non-Hermitian potentials for asymmetric scattering. <i>Physical Review A</i> , 2020, 102, .	2.5	5
5	Shortcut-to-Adiabaticity-Like Techniques for Parameter Estimation in Quantum Metrology. <i>Entropy</i> , 2020, 22, 1251.	2.2	6
6	Noise Sensitivities for an Atom Shuttled by a Moving Optical Lattice via Shortcuts to Adiabaticity. <i>Entropy</i> , 2020, 22, 262.	2.2	17
7	Symmetries of ( $\{N \times N\}$ ) non-Hermitian Hamiltonian matrices. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2020, 53, 135304.	2.1	3
8	Robust load transport by an overhead crane with respect to cable length uncertainties. <i>JVC/Journal of Vibration and Control</i> , 2020, 26, 1514-1522.	2.6	4
9	Invariant-Based Inverse Engineering for Fast and Robust Load Transport in a Double Pendulum Bridge Crane. <i>Entropy</i> , 2020, 22, 350.	2.2	2
10	Invariant-based inverse engineering of time-dependent, coupled harmonic oscillators. <i>Physical Review A</i> , 2020, 102, .	2.5	12
11	Interferometer for force measurement via a shortcut to adiabatic arm guiding. <i>Physical Review Research</i> , 2020, 2, .	3.6	9
12	Trapped-ion Fock-state preparation by potential deformation. <i>Physical Review Research</i> , 2020, 2, .	3.6	6
13	Time-dependent harmonic potentials for momentum or position scaling. <i>Physical Review Research</i> , 2020, 2, .	3.6	5
14	Fast state and trap rotation of a particle in an anisotropic potential. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2019, 52, 465301.	2.1	9
15	Shortcuts to adiabaticity in optical waveguides. <i>Europhysics Letters</i> , 2019, 127, 34001.	2.0	28
16	Shortcuts to adiabaticity: Concepts, methods, and applications. <i>Reviews of Modern Physics</i> , 2019, 91, .	45.6	583
17	Vanishing efficiency of a speeded-up ion-in-Paul-trap Otto engine. <i>Europhysics Letters</i> , 2019, 127, 20005.	2.0	17
18	Asymmetric heat transport in ion crystals. <i>Physical Review E</i> , 2019, 100, 032109.	2.1	9

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19	$S$ -matrix pole symmetries for non-Hermitian scattering Hamiltonians. Physical Review A, 2019, 99, .	2.5	15
20	Noise resistant quantum control using dynamical invariants. New Journal of Physics, 2018, 20, 025006.	2.9	43
21	Hamiltonian design to prepare arbitrary states of four-level systems. Physical Review A, 2018, 97, .	2.5	29
22	Fast shuttling of a particle under weak spring-constant noise of the moving trap. Physical Review A, 2018, 97, .	2.5	19
23	Selective population of a large-angular-momentum state in an optical lattice. Physical Review A, 2018, 98, .	2.5	6
24	Qubit gates with simultaneous transport in double quantum dots. New Journal of Physics, 2018, 20, 113029.	2.9	26
25	Symmetries and invariants for non-Hermitian Hamiltonians. Mathematics, 2018, 6, 111.	2.2	14
26	Interferometer with a driven trapped ion. Physical Review A, 2018, 98, .	2.5	11
27	Energy consumption for ion-transport in a segmented Paul trap. New Journal of Physics, 2018, 20, 065002.	2.9	18
28	Effect of Poisson noise on adiabatic quantum control. Physical Review A, 2017, 95, .	2.5	6
29	Dynamical normal modes for time-dependent Hamiltonians in two dimensions. Physical Review A, 2017, 95, .	2.5	14
30	Robust state preparation in quantum simulations of Dirac dynamics. Physical Review A, 2017, 95, .	2.5	23
31	Fast phase gates with trapped ions. Physical Review A, 2017, 95, .	2.5	45
32	Energy consumption for shortcuts to adiabaticity. Physical Review A, 2017, 96, .	2.5	51
33	Fast atom transport and launching in a nonrigid trap. Scientific Reports, 2017, 7, 5753.	3.3	14
34	Invariant-Based Inverse Engineering of Crane Control Parameters. Physical Review Applied, 2017, 8, .	3.8	22
35	Local rectification of heat flux. Europhysics Letters, 2017, 119, 64001.	2.0	13
36	Asymmetric scattering by non-Hermitian potentials. Europhysics Letters, 2017, 120, 20001.	2.0	17

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37	Shortcuts to adiabaticity in optical waveguides using fast quasiadiabatic dynamics. Optics Express, 2017, 25, 159.	3.4	39
38	Shortcuts to adiabaticity for an ion in a rotating radially-tight trap. New Journal of Physics, 2016, 18, 043014.	2.9	17
39	Fast driving between arbitrary states of a quantum particle by trap deformation. Physical Review A, 2016, 94, .	2.5	23
40	How to drive a Dirac system fast and safe. New Journal of Physics, 2016, 18, 021005.	2.9	6
41	Optimal shortcuts for atomic transport in anharmonic traps. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 125503.	1.5	20
42	Reprint of : Dynamics of a quantum wave emitted by a decaying and evanescent point source. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 82, 325-332.	2.7	0
43	Transient Particle Energies in Shortcuts to Adiabatic Expansions of Harmonic Traps. Journal of Physical Chemistry A, 2016, 120, 2962-2969.	2.5	20
44	Fast expansions and compressions of trapped-ion chains. Physical Review A, 2015, 91, .	2.5	15
45	Fast bias inversion of a double well without residual particle excitation. Physical Review A, 2015, 92, .	2.5	7
46	Pulse design without the rotating-wave approximation. Physical Review A, 2015, 92, .	2.5	33
47	Fast quasiadiabatic dynamics. Physical Review A, 2015, 92, .	2.5	63
48	Fast separation of two trapped ions. New Journal of Physics, 2015, 17, 093031.	2.9	17
49	Dynamics of a quantum wave emitted by a decaying and evanescent point source. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 74, 108-114.	2.7	2
50	Quantum state engineering of spin-orbit-coupled ultracold atoms in a Morse potential. Physical Review A, 2015, 91, .	2.5	11
51	Fast and stable manipulation of a charged particle in a Penning trap. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 075503.	1.5	22
52	Collapse of spin-orbit-coupled Bose-Einstein condensates. Physical Review A, 2015, 91, .	2.5	52
53	Optimal transport of two ions under slow spring-constant drifts. Physica Scripta, 2015, 90, 074038.	2.5	11
54	Compact and high conversion efficiency mode-sorting asymmetric Y junction using shortcuts to adiabaticity. Optics Letters, 2014, 39, 2306.	3.3	45

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55	Fast transitionless expansions of Gaussian anharmonic traps for cold atoms: Bang-singular-bang control. <i>Physical Review A</i> , 2014, 89, .	2.5	17
56	Fast shuttling of a trapped ion in the presence of noise. <i>Physical Review A</i> , 2014, 89, .	2.5	33
57	Hamiltonian engineering via invariants and dynamical algebra. <i>Physical Review A</i> , 2014, 89, .	2.5	83
58	Fast transport of mixed-species ion chains within a Paul trap. <i>Physical Review A</i> , 2014, 90, .	2.5	36
59	Reduction of local velocity spreads by linear potentials. <i>Physical Review A</i> , 2014, 89, .	2.5	10
60	Shortcuts to adiabaticity in three-level systems using Lie transforms. <i>Physical Review A</i> , 2014, 89, .	2.5	95
61	Transport in a harmonic trap: Shortcuts to adiabaticity and robust protocols. <i>Physical Review A</i> , 2014, 90, .	2.5	47
62	Adiabaticity condition for non-Hermitian Hamiltonians. <i>Physical Review A</i> , 2014, 89, .	2.5	62
63	Shortcuts to adiabaticity in two-level systems: control and optimization. <i>Journal of Modern Optics</i> , 2014, 61, 828-832.	1.3	10
64	Interference of spin-orbit-coupled Bose-Einstein condensates. <i>Europhysics Letters</i> , 2014, 106, 60004.	2.0	12
65	Adiabaticity near a continuum threshold: An exactly solvable model. <i>Physical Review A</i> , 2014, 89, .	2.5	1
66	Nonequilibrium Solutions of the Boltzmann Equation under the Action of an External Force. <i>Physical Review Letters</i> , 2014, 112, 180602.	7.8	46
67	Shortcuts to Adiabaticity. <i>Advances in Atomic, Molecular and Optical Physics</i> , 2013, 62, 117-169.	2.3	536
68	Engineering fast and stable splitting of matter waves. <i>Physical Review A</i> , 2013, 87, .	2.5	20
69	Fast and robust population transfer in two-level quantum systems with dephasing noise and/or systematic frequency errors. <i>Physical Review A</i> , 2013, 88, .	2.5	73
70	Detecting quantum backflow by the density of a Bose-Einstein condensate. <i>Physical Review A</i> , 2013, 87, .	2.5	28
71	Fast transport of two ions in an anharmonic trap. <i>Physical Review A</i> , 2013, 88, .	2.5	41
72	Vibrational Mode Multiplexing of Ultracold Atoms. <i>Physical Review Letters</i> , 2013, 111, 213001.	7.8	45

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73	Shortcut to adiabaticity in internal bosonic Josephson junctions. <i>Physical Review A</i> , 2013, 88, .	2.5	21
74	Improving shortcuts to adiabaticity by iterative interaction pictures. <i>Physical Review A</i> , 2013, 87, .	2.5	75
75	Fast transport of Bose-Einstein condensates. <i>New Journal of Physics</i> , 2012, 14, 013031.	2.9	80
76	Fast generation of spin-squeezed states in bosonic Josephson junctions. <i>Physical Review A</i> , 2012, 86, .	2.5	43
77	Shortcuts to adiabaticity: Fast-forward approach. <i>Physical Review A</i> , 2012, 86, .	2.5	98
78	Fast transitionless expansion of cold atoms in optical Gaussian-beam traps. <i>Physical Review A</i> , 2012, 85, .	2.5	64
79	Fast and Robust Spin Manipulation in a Quantum Dot by Electric Fields. <i>Physical Review Letters</i> , 2012, 109, 206602.	7.8	65
80	Optimally robust shortcuts to population inversion in two-level quantum systems. <i>New Journal of Physics</i> , 2012, 14, 093040.	2.9	287
81	Engineering of fast population transfer in three-level systems. <i>Physical Review A</i> , 2012, 86, .	2.5	194
82	Multiple Schrödinger Pictures and Dynamics in Shortcuts to Adiabaticity. <i>Physical Review Letters</i> , 2012, 109, 100403.	7.8	204
83	Shortcuts to quantum adiabatic processes. <i>Journal of Physics: Conference Series</i> , 2011, 306, 012022.	0.4	2
84	Explanation and observability of diffraction in time. <i>Physical Review A</i> , 2011, 83, .	2.5	20
85	Lewis-Riesenfeld invariants and transitionless quantum driving. <i>Physical Review A</i> , 2011, 83, .	2.5	300
86	Discrimination of measurement contexts in quantum mechanics. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011, 375, 3167-3170.	2.1	6
87	Simulation of quantum collinear chemical reactions with ultracold atoms. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011, 44, 195302.	1.5	8
88	Optimal trajectories for efficient atomic transport without final excitation. <i>Physical Review A</i> , 2011, 84, .	2.5	119
89	Shortcuts to adiabaticity for non-Hermitian systems. <i>Physical Review A</i> , 2011, 84, .	2.5	99
90	Interaction of strongly chirped pulses with two-level atoms. <i>Physical Review A</i> , 2011, 84, .	2.5	18

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91	Fast atomic transport without vibrational heating. Physical Review A, 2011, 83, .	2.5	190
92	Atomic Fock states by gradual trap reduction: From sudden to adiabatic limits. Physical Review A, 2011, 83, .	2.5	11
93	Manufacturing time operators: Covariance, selection criteria, and examples. Physical Review A, 2010, 82, .	2.5	24
94	Cold-atom dynamics in crossed-laser-beam waveguides. Physical Review A, 2010, 82, .	2.5	8
95	Transient energy excitation in shortcuts to adiabaticity for the time-dependent harmonic oscillator. Physical Review A, 2010, 82, .	2.5	111
96	Transitionless quantum drivings for the harmonic oscillator. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 085509.	1.5	95
97	Structural and dynamical aspects of avoided-crossing resonances in a three-level $\hat{H}$ system. Physical Review A, 2010, 82, .	2.5	3
98	Zeno physics in ultrastrong-coupling circuit QED. Physical Review A, 2010, 81, .	2.5	42
99	Time scales of tunneling decay of a localized state. Physical Review A, 2010, 82, .	2.5	22
100	Short-time-interaction quantum measurement through an incoherent mediator. Physical Review A, 2010, 81, .	2.5	2
101	Fast Optimal Frictionless Atom Cooling in Harmonic Traps: Shortcut to Adiabaticity. Physical Review Letters, 2010, 104, 063002.	7.8	534
102	Quantum Decay at Long Times. Advances in Quantum Chemistry, 2010, 60, 485-535.	0.8	19
103	Strong electron spin-Hall effect by a coherent optical potential. Semiconductor Science and Technology, 2010, 25, 095004.	2.0	0
104	Classical picture of postexponential decay. Physical Review A, 2010, 81, .	2.5	3
105	Shortcut to Adiabatic Passage in Two- and Three-Level Atoms. Physical Review Letters, 2010, 105, 123003.	7.8	485
106	Symmetries and time operators. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 505303.	2.1	18
107	Preparation of atomic Fock states by trap reduction. Physical Review A, 2009, 79, .	2.5	24
108	Stopping particles of arbitrary velocities with an accelerated wall. Physical Review A, 2009, 80, .	2.5	10

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109	Momentum-space interferometry with trapped ultracold atoms. <i>Physical Review A</i> , 2009, 79, .	2.5	4
110	Memory effects induced by initial switching conditions. <i>Physical Review A</i> , 2009, 79, .	2.5	2
111	Atom cooling by nonadiabatic expansion. <i>Physical Review A</i> , 2009, 80, .	2.5	12
112	Low-velocity limits of cold-atom clocks. <i>Physical Review A</i> , 2009, 80, .	2.5	1
113	Relation between quantum dwell times and flux-flux correlations. <i>Physical Review A</i> , 2009, 79, .	2.5	10
114	Quantum transients. <i>Physics Reports</i> , 2009, 476, 1-50.	25.6	106
115	Frictionless dynamics of Bose-Einstein condensates under fast trap variations. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 241001.	1.5	118
116	Enhanced observability of quantum postexponential decay using distant detectors. <i>Physical Review A</i> , 2009, 80, .	2.5	21
117	The atom diode. <i>European Physical Journal: Special Topics</i> , 2008, 159, 127-134.	2.6	3
118	Atom Fock-state preparation by trap reduction. <i>Physical Review A</i> , 2008, 78, .	2.5	19
119	Disclosing hidden information in the quantum Zeno effect: Pulsed measurement of the quantum time of arrival. <i>Physical Review A</i> , 2008, 77, .	2.5	37
120	Quantum matter-wave dynamics with moving mirrors. <i>Physical Review A</i> , 2008, 77, .	2.5	14
121	Generalized relation between pulsed and continuous measurements in the quantum Zeno effect. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008, 41, 175501.	1.5	20
122	Control of atomic motion with an atom-optical diode on a ring. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008, 41, 205503.	1.5	7
123	Long-time deviations from exponential decay for inverse-square potentials. <i>Physical Review A</i> , 2008, 77, .	2.5	17
124	Vibrational Bloch-Siegert effect in trapped ions. <i>Physical Review A</i> , 2008, 77, .	2.5	8
125	Quantum motion effects in an ultracold-atom Mach-Zehnder interferometer. <i>Physical Review A</i> , 2008, 78, .	2.5	2
126	Seeking better times: atomic clocks in the generalized Tonks-Girardeau regime. <i>Journal of Physics: Conference Series</i> , 2008, 99, 012014.	0.4	1

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127	Atom laser dynamics in a tight waveguide. <i>Journal of Physics: Conference Series</i> , 2008, 99, 012003.	0.4	4
128	Time modulation of atom sources. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2007, 40, 975-987.	1.5	33
129	Ramsey interferometry with a two-level generalized Tonks-Girardeau gas. <i>Physical Review A</i> , 2007, 76, .	2.5	11
130	Motional frequency shifts of trapped ions in the Lamb-Dicke regime. <i>Physical Review A</i> , 2007, 76, .	2.5	13
131	Stability of spinor Fermi gases in tight waveguides. <i>Physical Review A</i> , 2007, 76, .	2.5	10
132	Three-dimensional effects in atom diodes: Atom-optical devices for one-way motion. <i>Physical Review A</i> , 2007, 76, .	2.5	18
133	Vibronic Rabi resonances in harmonic and hard-wall ion traps for arbitrary laser intensity and detuning. <i>Physical Review A</i> , 2007, 75, .	2.5	10
134	Two-frequency Ramsey interferometry. <i>Physical Review A</i> , 2007, 75, .	2.5	7
135	Ramsey interferometry with two frequencies. , 2007, , .		1
136	Quantum Motion Effects in Atom Interferometry. <i>Israel Journal of Chemistry</i> , 2007, 47, 67-73.	2.3	1
137	Ramsey interferometry with guided ultracold atoms. <i>European Physical Journal D</i> , 2007, 41, 71-75.	1.3	14
138	Decay by tunneling of bosonic and fermionic Tonks-Girardeau gases. <i>Physical Review A</i> , 2006, 74, .	2.5	49
139	Role of initial state reconstruction in short- and long-time deviations from exponential decay. <i>Physical Review A</i> , 2006, 73, .	2.5	26
140	Suppression of Zeno effect for distant detectors. <i>Physical Review A</i> , 2006, 74, .	2.5	12
141	Exact propagators for atom-laser interactions. <i>Journal of Physics A</i> , 2006, 39, 14079-14088.	1.6	5
142	Dynamics of a Tonks-Girardeau gas released from a hard-wall trap. <i>Europhysics Letters</i> , 2006, 74, 965-971.	2.0	63
143	Improvement by laser quenching of an $\tilde{\text{atom diode}}^{\text{TM}}$ : a one-way barrier for ultra-cold atoms. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, L133-L138.	1.5	22
144	Momentum interferences of a freely expanding Bose-Einstein condensate due to interatomic interaction change. <i>European Physical Journal D</i> , 2006, 40, 399-403.	1.3	7

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145	Matter-wave diffraction in time with a linear potential. <i>Journal of Physics A</i> , 2006, 39, 5897-5906.	1.6	18
146	One-photon atomic cooling with an optical Maxwell demon valve. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, 3833-3838.	1.5	55
147	Scattering of two-level atoms by delta lasers: exactly solvable models in atom optics. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, 4673-4682.	1.5	3
148	Adiabatic interpretation of a two-level atom diode, a laser device for unidirectional transmission of ground-state atoms. <i>Physical Review A</i> , 2006, 73, .	2.5	26
149	Preparation of ultralow atomic velocities by transforming bound states into tunneling resonances. <i>Physical Review A</i> , 2006, 74, .	2.5	7
150	Laser excitation of transverse modes in an atomic waveguide. <i>Physical Review A</i> , 2006, 74, .	2.5	5
151	Optical analog of Rabi oscillation suppression due to atomic motion. <i>Physical Review A</i> , 2006, 73, .	2.5	6
152	Resonance expansions in quantum mechanics. <i>European Physical Journal D</i> , 2005, 55, 1141-1150.	0.4	26
153	Single-particle matter wave pulses. <i>Journal of Physics A</i> , 2005, 38, 9803-9819.	1.6	20
154	Velocity selection of ultra-cold atoms with Fabry-Pérot laser devices: improvements and limits. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005, 38, 2665-2674.	1.5	9
155	Quantum optical time-of-arrival model in three dimensions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005, 38, 409-420.	1.5	15
156	Breakdown of classical conservation of energy in a quantum wave-packet collision with a double barrier. <i>Physical Review A</i> , 2005, 71, .	2.5	4
157	Effects of Coulomb interaction on electron dynamics in a double-barrier potential: Decay and trapping. <i>Physical Review B</i> , 2005, 72, .	3.2	3
158	Resonant tunneling transients and decay for a one-dimensional double barrier potential. <i>Journal of Applied Physics</i> , 2005, 97, 013705.	2.5	23
159	Physical realization of $\delta$ -symmetric potential scattering in a planar slab waveguide. <i>Journal of Physics A</i> , 2005, 38, L171-L176.	1.6	418
160	Quantum kinetic energy densities: An operational approach. <i>Journal of Chemical Physics</i> , 2005, 122, 154106.	3.0	22
161	Perfect detection of ultra-cold atoms by laser-induced ionization. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2004, 37, L313-L319.	1.5	5
162	Operator-normalized quantum arrival times in the presence of interactions. <i>Physical Review A</i> , 2004, 70, .	2.5	31

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163	Ultrafast propagation of Schrödinger waves in absorbing media. <i>Physical Review A</i> , 2004, 69, .	2.5	24
164	Local spin-density oscillations in coupled quantum wells. <i>Physical Review B</i> , 2004, 70, .	3.2	9
165	Atom diode: A laser device for a unidirectional transmission of ground-state atoms. <i>Physical Review A</i> , 2004, 70, .	2.5	69
166	Simultaneous Arrival of Information in Absorbing Waveguides. <i>Physical Review Letters</i> , 2004, 93, 020403.	7.8	7
167	Complex absorbing potentials. <i>Physics Reports</i> , 2004, 395, 357-426.	25.6	418
168	Comparison between semiclassical and composite absorbing potentials. <i>Chemical Physics Letters</i> , 2004, 390, 454-457.	2.6	2
169	Exact and approximate complex potentials for modelling time observables. <i>Europhysics Letters</i> , 2004, 67, 1-7.	2.0	37
170	Comment on: "On the standard quantum-mechanical approach to times of arrival". <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003, 313, 498-501.	2.1	13
171	Suppression of Rabi oscillations for moving atoms. <i>Physical Review A</i> , 2003, 67, .	2.5	14
172	Quantum time-of-flight measurements: Kicked clock versus continuous clock. <i>Physical Review A</i> , 2003, 67, .	2.5	17
173	Tunneling dynamics in relativistic and nonrelativistic wave equations. <i>Physical Review A</i> , 2003, 68, .	2.5	24
174	Explicit solution for a Gaussian wave packet impinging on a square barrier. <i>Journal of Physics A</i> , 2003, 36, 2371-2378.	1.6	14
175	On atomic time-of-arrival measurements with a laser of finite beam width. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2003, 36, 2657-2669.	1.5	30
176	Optimal atomic detection of ultracold atoms by control of detuning and spatial dependence of laser intensity. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2003, 36, 3899-3907.	1.5	16
177	Measurement-based approach to quantum arrival times. <i>Physical Review A</i> , 2002, 66, .	2.5	91
178	Bounds and enhancements for negative scattering time delays. <i>Physical Review A</i> , 2002, 66, .	2.5	54
179	Time scale of forerunners in quantum tunneling. <i>Physical Review A</i> , 2002, 66, .	2.5	13
180	Quantum times of arrival for multiparticle states. <i>Physical Review A</i> , 2002, 65, .	2.5	21

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181	Asymptotic behavior of the probability density in one dimension. American Journal of Physics, 2002, 70, 738-740.	0.7	10
182	The transient response of a quantum wave to an instantaneous potential step switching. Journal of Physics A, 2002, 35, 10377-10389.	1.6	12
183	Moller operators and Lippmann-Schwinger equations for steplike potentials. Journal of Physics A, 2001, 34, 5341-5353.	1.6	9
184	Sources of quantum waves. Journal of Physics A, 2001, 34, 4289-4299.	1.6	24
185	Evanescent waves in a time-of-arrival measurement model. Physical Review A, 2001, 64, .	2.5	14
186	Time-of-arrival distributions for interaction potentials. Physical Review A, 2001, 64, .	2.5	39
187	Transient interference of transmission and incidence. Physical Review A, 2001, 64, .	2.5	14
188	Comment on "Foundations of quantum mechanics: Connection with stochastic processes". Physical Review A, 2001, 64, .	2.5	2
189	Arrival time in quantum mechanics. Physics Reports, 2000, 338, 353-438.	25.6	304
190	Consistent histories, the quantum Zeno effect, and time of arrival. Physical Review A, 2000, 62, .	2.5	10
191	Time dependence of evanescent quantum waves. Physical Review A, 2000, 62, .	2.5	37
192	Time-of-arrival distributions from position-momentum and energy-time joint measurements. Physical Review A, 2000, 61, .	2.5	28
193	Time-of-arrival distribution for arbitrary potentials and Wigner's time-energy uncertainty relation. Physical Review A, 2000, 61, .	2.5	63
194	Free-motion time-of-arrival operator and probability distribution. Physical Review A, 1999, 61, .	2.5	66
195	Arrival time distributions and perfect absorption in classical and quantum mechanics. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 253, 21-27.	2.1	74
196	A simple construction procedure of absorbing potentials. Chemical Physics Letters, 1998, 292, 1-6.	2.6	13
197	The time of arrival concept in quantum mechanics. Superlattices and Microstructures, 1998, 23, 833-842.	3.1	53
198	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

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199	Comparison of Complex Potentials: Absorption Width and Robustness. Journal of Physical Chemistry A, 1998, 102, 9464-9469.	2.5	13
200	Solvable model for quantum wavepacket scattering in one dimension. Journal of Physics A, 1998, 31, 9519-9534.	1.6	14
201	Composite Absorbing Potentials. Physical Review Letters, 1998, 80, 5469-5472.	7.8	38
202	Space-time properties of free-motion time-of-arrival eigenfunctions. Physical Review A, 1998, 58, 4336-4344.	2.5	65
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