

Juan Gonzalo Muga

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

254
papers

8,544
citations

43
h-index

83
g-index

263
ext. papers

9,664
ext. citations

3
avg, IF

6.3
L-index

#	Paper	IF	Citations
254	Fast and robust particle shuttling for quantum science and technology. <i>Europhysics Letters</i> , 2021 , 134, 23001	1.6	1
253	Shortcuts to adiabatic rotation of a two-ion chain. <i>Quantum Science and Technology</i> , 2021 , 6, 045023	5.5	0
252	Heat rectification with a minimal model of two harmonic oscillators. <i>Physical Review E</i> , 2021 , 103, 012134	4.4	4
251	Noise Sensitivities for an Atom Shuttled by a Moving Optical Lattice via Shortcuts to Adiabaticity. <i>Entropy</i> , 2020 , 22,	2.8	10
250	Symmetries of ($\{N \times N\}$) non-Hermitian Hamiltonian matrices. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2020 , 53, 135304	2	3
249	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	2
248	Invariant-Based Inverse Engineering for Fast and Robust Load Transport in a Double Pendulum Bridge Crane. <i>Entropy</i> , 2020 , 22,	2.8	2
247	Interferometer for force measurement via a shortcut to adiabatic arm guiding. <i>Physical Review Research</i> , 2020 , 2,	3.9	3
246	Trapped-ion Fock-state preparation by potential deformation. <i>Physical Review Research</i> , 2020 , 2,	3.9	1
245	Time-dependent harmonic potentials for momentum or position scaling. <i>Physical Review Research</i> , 2020 , 2,	3.9	2
244	Invariant-based inverse engineering of time-dependent, coupled harmonic oscillators. <i>Physical Review A</i> , 2020 , 102,	2.6	5
243	Quantum-optical implementation of non-Hermitian potentials for asymmetric scattering. <i>Physical Review A</i> , 2020 , 102,	2.6	2
242	Shortcut-to-Adiabaticity-Like Techniques for Parameter Estimation in Quantum Metrology. <i>Entropy</i> , 2020 , 22,	2.8	4
241	Shortcuts to adiabaticity: Concepts, methods, and applications. <i>Reviews of Modern Physics</i> , 2019 , 91,	40.5	263
240	Vanishing efficiency of a speeded-up ion-in-Paul-trap Otto engine. <i>Europhysics Letters</i> , 2019 , 127, 20005	1.6	14
239	Asymmetric heat transport in ion crystals. <i>Physical Review E</i> , 2019 , 100, 032109	2.4	6
238	S-matrix pole symmetries for non-Hermitian scattering Hamiltonians. <i>Physical Review A</i> , 2019 , 99,	2.6	10

237	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	5
236	Shortcuts to adiabaticity in optical waveguides. <i>Europhysics Letters</i> , 2019 , 127, 34001	1.6	15
235	Noise resistant quantum control using dynamical invariants. <i>New Journal of Physics</i> , 2018 , 20, 025006	2.9	33
234	Hamiltonian design to prepare arbitrary states of four-level systems. <i>Physical Review A</i> , 2018 , 97,	2.6	22
233	Fast shuttling of a particle under weak spring-constant noise of the moving trap. <i>Physical Review A</i> , 2018 , 97,	2.6	13
232	Energy consumption for ion-transport in a segmented Paul trap. <i>New Journal of Physics</i> , 2018 , 20, 065002	2.9	12
231	Selective population of a large-angular-momentum state in an optical lattice. <i>Physical Review A</i> , 2018 , 98,	2.6	5
230	Qubit gates with simultaneous transport in double quantum dots. <i>New Journal of Physics</i> , 2018 , 20, 113029	2.9	15
229	Symmetries and invariants for non-Hermitian Hamiltonians. <i>Mathematics</i> , 2018 , 6, 111	2.3	13
228	Interferometer with a driven trapped ion. <i>Physical Review A</i> , 2018 , 98,	2.6	6
227	Effect of Poisson noise on adiabatic quantum control. <i>Physical Review A</i> , 2017 , 95,	2.6	6
226	Dynamical normal modes for time-dependent Hamiltonians in two dimensions. <i>Physical Review A</i> , 2017 , 95,	2.6	10
225	Robust state preparation in quantum simulations of Dirac dynamics. <i>Physical Review A</i> , 2017 , 95,	2.6	20
224	Fast phase gates with trapped ions. <i>Physical Review A</i> , 2017 , 95,	2.6	33
223	Energy consumption for shortcuts to adiabaticity. <i>Physical Review A</i> , 2017 , 96,	2.6	36
222	Fast atom transport and launching in a nonrigid trap. <i>Scientific Reports</i> , 2017 , 7, 5753	4.9	11
221	Invariant-Based Inverse Engineering of Crane Control Parameters. <i>Physical Review Applied</i> , 2017 , 8,	4.3	15
220	Local rectification of heat flux. <i>Europhysics Letters</i> , 2017 , 119, 64001	1.6	9

219	Asymmetric scattering by non-Hermitian potentials. <i>Europhysics Letters</i> , 2017 , 120, 20001	1.6	14
218	Shortcuts to adiabaticity in optical waveguides using fast quasiadiabatic dynamics. <i>Optics Express</i> , 2017 , 25, 159-167	3.3	28
217	Transient Particle Energies in Shortcuts to Adiabatic Expansions of Harmonic Traps. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 2962-9	2.8	19
216	Reprint of : Dynamics of a quantum wave emitted by a decaying and evanescent point source. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016 , 82, 325-332	3	
215	Shortcuts to adiabaticity for an ion in a rotating radially-tight trap. <i>New Journal of Physics</i> , 2016 , 18, 043014	2.9	14
214	Fast driving between arbitrary states of a quantum particle by trap deformation. <i>Physical Review A</i> , 2016 , 94,	2.6	18
213	How to drive a Dirac system fast and safe. <i>New Journal of Physics</i> , 2016 , 18, 021005	2.9	6
212	Optimal shortcuts for atomic transport in anharmonic traps. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016 , 49, 125503	1.3	14
211	Dynamics of a quantum wave emitted by a decaying and evanescent point source. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015 , 74, 108-114	3	2
210	Quantum state engineering of spin-orbit-coupled ultracold atoms in a Morse potential. <i>Physical Review A</i> , 2015 , 91,	2.6	6
209	Fast and stable manipulation of a charged particle in a Penning trap. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015 , 48, 075503	1.3	14
208	Collapse of spin-orbit-coupled Bose-Einstein condensates. <i>Physical Review A</i> , 2015 , 91,	2.6	33
207	Optimal transport of two ions under slow spring-constant drifts. <i>Physica Scripta</i> , 2015 , 90, 074038	2.6	10
206	Fast expansions and compressions of trapped-ion chains. <i>Physical Review A</i> , 2015 , 91,	2.6	13
205	Fast bias inversion of a double well without residual particle excitation. <i>Physical Review A</i> , 2015 , 92,	2.6	5
204	Pulse design without the rotating-wave approximation. <i>Physical Review A</i> , 2015 , 92,	2.6	27
203	Fast quasiadiabatic dynamics. <i>Physical Review A</i> , 2015 , 92,	2.6	43
202	Fast separation of two trapped ions. <i>New Journal of Physics</i> , 2015 , 17, 093031	2.9	13

201	Shortcuts to adiabaticity in two-level systems: control and optimization. <i>Journal of Modern Optics</i> , 2014 , 61, 828-832	1.1	10
200	Interference of spin-orbit-coupled Bose-Einstein condensates. <i>Europhysics Letters</i> , 2014 , 106, 60004	1.6	9
199	Nonequilibrium solutions of the Boltzmann equation under the action of an external force. <i>Physical Review Letters</i> , 2014 , 112, 180602	7.4	37
198	Compact and high conversion efficiency mode-sorting asymmetric Y junction using shortcuts to adiabaticity. <i>Optics Letters</i> , 2014 , 39, 2306-9	3	39
197	Fast transitionless expansions of Gaussian anharmonic traps for cold atoms: Bang-singular-bang control. <i>Physical Review A</i> , 2014 , 89,	2.6	13
196	Fast shuttling of a trapped ion in the presence of noise. <i>Physical Review A</i> , 2014 , 89,	2.6	26
195	Hamiltonian engineering via invariants and dynamical algebra. <i>Physical Review A</i> , 2014 , 89,	2.6	67
194	Fast transport of mixed-species ion chains within a Paul trap. <i>Physical Review A</i> , 2014 , 90,	2.6	24
193	Reduction of local velocity spreads by linear potentials. <i>Physical Review A</i> , 2014 , 89,	2.6	9
192	Shortcuts to adiabaticity in three-level systems using Lie transforms. <i>Physical Review A</i> , 2014 , 89,	2.6	86
191	Transport in a harmonic trap: Shortcuts to adiabaticity and robust protocols. <i>Physical Review A</i> , 2014 , 90,	2.6	39
190	Adiabaticity condition for non-Hermitian Hamiltonians. <i>Physical Review A</i> , 2014 , 89,	2.6	50
189	Shortcuts to Adiabaticity. <i>Advances in Atomic, Molecular and Optical Physics</i> , 2013 , 62, 117-169	1.7	466
188	Engineering fast and stable splitting of matter waves. <i>Physical Review A</i> , 2013 , 87,	2.6	17
187	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,	2.6	63
186	Detecting quantum backflow by the density of a Bose-Einstein condensate. <i>Physical Review A</i> , 2013 , 87,	2.6	22
185	Fast transport of two ions in an anharmonic trap. <i>Physical Review A</i> , 2013 , 88,	2.6	39
184	Vibrational mode multiplexing of ultracold atoms. <i>Physical Review Letters</i> , 2013 , 111, 213001	7.4	33

183	Shortcut to adiabaticity in internal bosonic Josephson junctions. <i>Physical Review A</i> , 2013 , 88,	2.6	19
182	Improving shortcuts to adiabaticity by iterative interaction pictures. <i>Physical Review A</i> , 2013 , 87,	2.6	69
181	Optimally robust shortcuts to population inversion in two-level quantum systems. <i>New Journal of Physics</i> , 2012 , 14, 093040	2.9	231
180	Engineering of fast population transfer in three-level systems. <i>Physical Review A</i> , 2012 , 86,	2.6	157
179	Multiple Schrödinger pictures and dynamics in shortcuts to adiabaticity. <i>Physical Review Letters</i> , 2012 , 109, 100403	7.4	172
178	Fast transport of Bose-Einstein condensates. <i>New Journal of Physics</i> , 2012 , 14, 013031	2.9	75
177	Fast generation of spin-squeezed states in bosonic Josephson junctions. <i>Physical Review A</i> , 2012 , 86,	2.6	36
176	Shortcuts to adiabaticity: Fast-forward approach. <i>Physical Review A</i> , 2012 , 86,	2.6	76
175	Fast transitionless expansion of cold atoms in optical Gaussian-beam traps. <i>Physical Review A</i> , 2012 , 85,	2.6	55
174	Fast and robust spin manipulation in a quantum dot by electric fields. <i>Physical Review Letters</i> , 2012 , 109, 206602	7.4	56
173	Shortcuts to quantum adiabatic processes. <i>Journal of Physics: Conference Series</i> , 2011 , 306, 012022	0.3	1
172	Explanation and observability of diffraction in time. <i>Physical Review A</i> , 2011 , 83,	2.6	20
171	Lewis-Riesenfeld invariants and transitionless quantum driving. <i>Physical Review A</i> , 2011 , 83,	2.6	241
170	Discrimination of measurement contexts in quantum mechanics. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011 , 375, 3167-3170	2.3	5
169	Simulation of quantum collinear chemical reactions with ultracold atoms. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011 , 44, 195302	1.3	7
168	Optimal trajectories for efficient atomic transport without final excitation. <i>Physical Review A</i> , 2011 , 84,	2.6	98
167	Shortcuts to adiabaticity for non-Hermitian systems. <i>Physical Review A</i> , 2011 , 84,	2.6	78
166	Interaction of strongly chirped pulses with two-level atoms. <i>Physical Review A</i> , 2011 , 84,	2.6	16

165	Fast atomic transport without vibrational heating. <i>Physical Review A</i> , 2011 , 83,	2.6	160
164	Atomic Fock states by gradual trap reduction: From sudden to adiabatic limits. <i>Physical Review A</i> , 2011 , 83,	2.6	9
163	Time scales of tunneling decay of a localized state. <i>Physical Review A</i> , 2010 , 82,	2.6	20
162	Short-time-interaction quantum measurement through an incoherent mediator. <i>Physical Review A</i> , 2010 , 81,	2.6	2
161	Fast optimal frictionless atom cooling in harmonic traps: shortcut to adiabaticity. <i>Physical Review Letters</i> , 2010 , 104, 063002	7.4	414
160	Quantum Decay at Long Times. <i>Advances in Quantum Chemistry</i> , 2010 , 60, 485-535	1.4	13
159	Strong electron spin-Hall effect by a coherent optical potential. <i>Semiconductor Science and Technology</i> , 2010 , 25, 095004	1.8	
158	Classical picture of postexponential decay. <i>Physical Review A</i> , 2010 , 81,	2.6	3
157	Shortcut to adiabatic passage in two- and three-level atoms. <i>Physical Review Letters</i> , 2010 , 105, 123003	7.4	377
156	Symmetries and time operators. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010 , 43, 505303	2	14
155	Manufacturing time operators: Covariance, selection criteria, and examples. <i>Physical Review A</i> , 2010 , 82,	2.6	21
154	Cold-atom dynamics in crossed-laser-beam waveguides. <i>Physical Review A</i> , 2010 , 82,	2.6	8
153	Transient energy excitation in shortcuts to adiabaticity for the time-dependent harmonic oscillator. <i>Physical Review A</i> , 2010 , 82,	2.6	99
152	Transitionless quantum drivings for the harmonic oscillator. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010 , 43, 085509	1.3	79
151	Structural and dynamical aspects of avoided-crossing resonances in a three-level system. <i>Physical Review A</i> , 2010 , 82,	2.6	2
150	Zeno physics in ultrastrong-coupling circuit QED. <i>Physical Review A</i> , 2010 , 81,	2.6	33
149	Preparation of atomic Fock states by trap reduction. <i>Physical Review A</i> , 2009 , 79,	2.6	19
148	Stopping particles of arbitrary velocities with an accelerated wall. <i>Physical Review A</i> , 2009 , 80,	2.6	9

147	Momentum-space interferometry with trapped ultracold atoms. <i>Physical Review A</i> , 2009 , 79,	2.6	4
146	Memory effects induced by initial switching conditions. <i>Physical Review A</i> , 2009 , 79,	2.6	2
145	Atom cooling by nonadiabatic expansion. <i>Physical Review A</i> , 2009 , 80,	2.6	12
144	Low-velocity limits of cold-atom clocks. <i>Physical Review A</i> , 2009 , 80,	2.6	1
143	Relation between quantum dwell times and flux-flux correlations. <i>Physical Review A</i> , 2009 , 79,	2.6	10
142	Quantum transients. <i>Physics Reports</i> , 2009 , 476, 1-50	27.7	94
141	Frictionless dynamics of Bose-Einstein condensates under fast trap variations. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009 , 42, 241001	1.3	107
140	Enhanced observability of quantum postexponential decay using distant detectors. <i>Physical Review A</i> , 2009 , 80,	2.6	20
139	Atom Fock-state preparation by trap reduction. <i>Physical Review A</i> , 2008 , 78,	2.6	16
138	Disclosing hidden information in the quantum Zeno effect: Pulsed measurement of the quantum time of arrival. <i>Physical Review A</i> , 2008 , 77,	2.6	33
137	Quantum matter-wave dynamics with moving mirrors. <i>Physical Review A</i> , 2008 , 77,	2.6	14
136	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	1.3	16
135	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	1.3	7
134	Long-time deviations from exponential decay for inverse-square potentials. <i>Physical Review A</i> , 2008 , 77,	2.6	16
133	Vibrational Bloch-Siegert effect in trapped ions. <i>Physical Review A</i> , 2008 , 77,	2.6	7
132	Quantum motion effects in an ultracold-atom Mach-Zehnder interferometer. <i>Physical Review A</i> , 2008 , 78,	2.6	2
131	Seeking better times: atomic clocks in the generalized Tonks-Girardeau regime. <i>Journal of Physics: Conference Series</i> , 2008 , 99, 012014	0.3	1
130	Atom laser dynamics in a tight waveguide. <i>Journal of Physics: Conference Series</i> , 2008 , 99, 012003	0.3	3

129	The atom diode. <i>European Physical Journal: Special Topics</i> , 2008 , 159, 127-134	2.3	2
128	Quantum Motion Effects in Atom Interferometry. <i>Israel Journal of Chemistry</i> , 2007 , 47, 67-73	3.4	1
127	Ramsey interferometry with guided ultracold atoms. <i>European Physical Journal D</i> , 2007 , 41, 71-75	1.3	13
126	Time modulation of atom sources. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2007 , 40, 975-987	1.3	32
125	Ramsey interferometry with a two-level generalized Tonks-Girardeau gas. <i>Physical Review A</i> , 2007 , 76,	2.6	10
124	Motional frequency shifts of trapped ions in the Lamb-Dicke regime. <i>Physical Review A</i> , 2007 , 76,	2.6	12
123	Stability of spinor Fermi gases in tight waveguides. <i>Physical Review A</i> , 2007 , 76,	2.6	8
122	Three-dimensional effects in atom diodes: Atom-optical devices for one-way motion. <i>Physical Review A</i> , 2007 , 76,	2.6	15
121	Vibronic Rabi resonances in harmonic and hard-wall ion traps for arbitrary laser intensity and detuning. <i>Physical Review A</i> , 2007 , 75,	2.6	9
120	Two-frequency Ramsey interferometry. <i>Physical Review A</i> , 2007 , 75,	2.6	3
119	Matter-wave diffraction in time with a linear potential. <i>Journal of Physics A</i> , 2006 , 39, 5897-5906		18
118	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	1.3	41
117	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	1.3	3
116	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,	2.6	25
115	Preparation of ultralow atomic velocities by transforming bound states into tunneling resonances. <i>Physical Review A</i> , 2006 , 74,	2.6	6
114	Laser excitation of transverse modes in an atomic waveguide. <i>Physical Review A</i> , 2006 , 74,	2.6	5
113	Optical analog of Rabi oscillation suppression due to atomic motion. <i>Physical Review A</i> , 2006 , 73,	2.6	6
112	Decay by tunneling of bosonic and fermionic Tonks-Girardeau gases. <i>Physical Review A</i> , 2006 , 74,	2.6	45

111	Role of initial state reconstruction in short- and long-time deviations from exponential decay. <i>Physical Review A</i> , 2006 , 73,	2.6	25
110	Suppression of Zeno effect for distant detectors. <i>Physical Review A</i> , 2006 , 74,	2.6	10
109	Exact propagators for atom-laser interactions. <i>Journal of Physics A</i> , 2006 , 39, 14079-14088		5
108	Dynamics of a Tonks-Girardeau gas released from a hard-wall trap. <i>Europhysics Letters</i> , 2006 , 74, 965-971	1.6	58
107	Improvement by laser quenching of an atom diode—a one-way barrier for ultra-cold atoms. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006 , 39, L133-L138	1.3	21
106	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
105	Physical realization of π -symmetric potential scattering in a planar slab waveguide. <i>Journal of Physics A</i> , 2005 , 38, L171-L176		375
104	Quantum kinetic energy densities: an operational approach. <i>Journal of Chemical Physics</i> , 2005 , 122, 1541-1546	1.6	19
103	Resonance expansions in quantum mechanics. <i>European Physical Journal D</i> , 2005 , 55, 1141-1150		24
102	Single-particle matter wave pulses. <i>Journal of Physics A</i> , 2005 , 38, 9803-9819		17
101	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	1.3	5
100	Quantum optical time-of-arrival model in three dimensions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005 , 38, 409-420	1.3	13
99	Breakdown of classical conservation of energy in a quantum wave-packet collision with a double barrier. <i>Physical Review A</i> , 2005 , 71,	2.6	4
98	Effects of Coulomb interaction on electron dynamics in a double-barrier potential: Decay and trapping. <i>Physical Review B</i> , 2005 , 72,	3.3	2
97	Resonant tunneling transients and decay for a one-dimensional double barrier potential. <i>Journal of Applied Physics</i> , 2005 , 97, 013705	2.5	21
96	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	1.3	5
95	Operator-normalized quantum arrival times in the presence of interactions. <i>Physical Review A</i> , 2004 , 70,	2.6	28
94	Ultrafast propagation of Schrödinger waves in absorbing media. <i>Physical Review A</i> , 2004 , 69,	2.6	19

93	Local spin-density oscillations in coupled quantum wells. <i>Physical Review B</i> , 2004 , 70,	3.3	8
92	Atom diode: A laser device for a unidirectional transmission of ground-state atoms. <i>Physical Review A</i> , 2004 , 70,	2.6	68
91	Simultaneous arrival of information in absorbing waveguides. <i>Physical Review Letters</i> , 2004 , 93, 020403	7.4	6
90	Complex absorbing potentials. <i>Physics Reports</i> , 2004 , 395, 357-426	27.7	367
89	Comparison between semiclassical and composite absorbing potentials. <i>Chemical Physics Letters</i> , 2004 , 390, 454-457	2.5	2
88	Exact and approximate complex potentials for modelling time observables. <i>Europhysics Letters</i> , 2004 , 67, 1-7	1.6	35
87	Explicit solution for a Gaussian wave packet impinging on a square barrier. <i>Journal of Physics A</i> , 2003 , 36, 2371-2378		13
86	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	1.3	24
85	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	1.3	13
84	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	2.3	9
83	Suppression of Rabi oscillations for moving atoms. <i>Physical Review A</i> , 2003 , 67,	2.6	13
82	Quantum time-of-flight measurements: Kicked clock versus continuous clock. <i>Physical Review A</i> , 2003 , 67,	2.6	14
81	Tunneling dynamics in relativistic and nonrelativistic wave equations. <i>Physical Review A</i> , 2003 , 68,	2.6	22
80	Measurement-based approach to quantum arrival times. <i>Physical Review A</i> , 2002 , 66,	2.6	83
79	Bounds and enhancements for negative scattering time delays. <i>Physical Review A</i> , 2002 , 66,	2.6	48
78	Time scale of forerunners in quantum tunneling. <i>Physical Review A</i> , 2002 , 66,	2.6	13
77	Quantum times of arrival for multiparticle states. <i>Physical Review A</i> , 2002 , 65,	2.6	20
76	Asymptotic behavior of the probability density in one dimension. <i>American Journal of Physics</i> , 2002 , 70, 738-740	0.7	10

75	The transient response of a quantum wave to an instantaneous potential step switching. <i>Journal of Physics A</i> , 2002 , 35, 10377-10389		12
74	Moller operators and Lippmann-Schwinger equations for steplike potentials. <i>Journal of Physics A</i> , 2001 , 34, 5341-5353		8
73	Sources of quantum waves. <i>Journal of Physics A</i> , 2001 , 34, 4289-4299		22
72	Evanescent waves in a time-of-arrival measurement model. <i>Physical Review A</i> , 2001 , 64,	2.6	14
71	Time-of-arrival distributions for interaction potentials. <i>Physical Review A</i> , 2001 , 64,	2.6	34
70	Transient interference of transmission and incidence. <i>Physical Review A</i> , 2001 , 64,	2.6	13
69	Arrival time in quantum mechanics. <i>Physics Reports</i> , 2000 , 338, 353-438	27.7	264
68	Consistent histories, the quantum Zeno effect, and time of arrival. <i>Physical Review A</i> , 2000 , 62,	2.6	9
67	Time dependence of evanescent quantum waves. <i>Physical Review A</i> , 2000 , 62,	2.6	36
66	Time-of-arrival distributions from position-momentum and energy-time joint measurements. <i>Physical Review A</i> , 2000 , 61,	2.6	24
65	Time-of-arrival distribution for arbitrary potentials and Wigner's time-energy uncertainty relation. <i>Physical Review A</i> , 2000 , 61,	2.6	56
64	Free-motion time-of-arrival operator and probability distribution. <i>Physical Review A</i> , 1999 , 61,	2.6	60
63	Arrival time distributions and perfect absorption in classical and quantum mechanics. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1999 , 253, 21-27	2.3	63
62	A simple construction procedure of absorbing potentials. <i>Chemical Physics Letters</i> , 1998 , 292, 1-6	2.5	11
61	The time of arrival concept in quantum mechanics. <i>Superlattices and Microstructures</i> , 1998 , 23, 833-842	2.8	47
60	Average local values and local variances in quantum mechanics. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1998 , 238, 90-94	2.3	25
59	Comparison of Complex Potentials: Absorption Width and Robustness. <i>Journal of Physical Chemistry A</i> , 1998 , 102, 9464-9469	2.8	11
58	Solvable model for quantum wavepacket scattering in one dimension. <i>Journal of Physics A</i> , 1998 , 31, 9519-9534		13

57	Composite Absorbing Potentials. <i>Physical Review Letters</i> , 1998 , 80, 5469-5472	7.4	35
56	Space-time properties of free-motion time-of-arrival eigenfunctions. <i>Physical Review A</i> , 1998 , 58, 4336-4344	7.4	60
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