Jiangbin Gong

List of Publications by Year in Descending Order

187 papers	3,901 citations	36 h-index	49 g-index
202 ext. papers	5,204 ext. citations	3.8 avg, IF	6.36 L-index

#	Paper	IF	Citations
187	Time-periodic corner states from Floquet higher-order topology.. *Nature Communications*, **2022**, 13, 11	17.4	4
186	Dynamical characterization of Weyl nodes in Floquet Weyl semimetal phases. *Physical Review B*, **2021**, 103,	3.3	1
185	Delocalization of topological edge states. *Physical Review B*, **2021**, 103,	3.3	1
184	Point-gap topology with complete bulk-boundary correspondence and anomalous amplification in the Fock space of dissipative quantum systems. *Physical Review B*, **2021**, 103,	3.3	1
183	Nonequilibrium hybrid multi-Weyl semimetal phases. *JPhys Materials*, **2021**, 4, 045003	4.2	0
182	Symmetry analysis of anomalous Floquet topological phases. *Physical Review B*, **2021**, 104,	3.3	3
181	Impurity induced scale-free localization. *Communications Physics*, **2021**, 4,	5.4	4
180	Passive Nonlinear Optical Isolators Bypassing Dynamic Reciprocity. *Physical Review Applied*, **2021**, 16,	4.3	3
179	Direct dynamical characterization of higher-order topological phases with nested band inversion surfaces. *Science Bulletin*, **2021**, 66, 1502-1510	10.6	3
178	Quantized classical response from spectral winding topology. *Nature Communications*, **2021**, 12, 5294	17.4	5
177	Probing higher-order band topology via spin texture measurements: quantum simulation. *Science Bulletin*, **2021**, 66, 1817-1818	10.6	0
176	Dual topological characterization of non-Hermitian Floquet phases. *Physical Review B*, **2021**, 103,	3.3	6
175	Floquet higher-order topological insulator in a periodically driven bipartite lattice. *Physical Review B*, **2021**, 103,	3.3	8
174	Single-atom energy-conversion device with a quantum load. *Npj Quantum Information*, **2020**, 6,	8.6	20
173	Topological characterization of non-Hermitian multiband systems using Majorana's stellar representation. *Physical Review B*, **2020**, 101,	3.3	7
172	Topological Switch for Non-Hermitian Skin Effect in Cold-Atom Systems with Loss. *Physical Review Letters*, **2020**, 124, 250402	7.4	48
171	Counterpropagating edge states in Floquet topological insulating phases. *Physical Review B*, **2020**, 101,	3.3	4

170	Non-Hermitian Floquet topological phases: Exceptional points, coalescent edge modes, and the skin effect. *Physical Review B*, **2020**, 101,	3.3	36
169	Measurement-only quantum computation with Floquet Majorana corner modes. *Physical Review B*, **2020**, 101,	3.3	23
168	Graph-theory treatment of one-dimensional strongly repulsive fermions. *Physical Review Research*, **2020**, 2,	3.9	1
167	Dissipative adiabatic measurements: Beating the quantum Cramér-Rao bound. *Physical Review Research*, **2020**, 2,	3.9	3
166	Topological pumping assisted by Bloch oscillations. *Physical Review Research*, **2020**, 2,	3.9	5
165	Combating quasiparticle poisoning with multiple Majorana fermions in a periodically-driven quantum wire. *Journal of Physics Condensed Matter*, **2020**, 32, 435301	1.8	2
164	Enhanced higher harmonic generation from nodal topology. *Physical Review B*, **2020**, 102,	3.3	8
163	High-fidelity and long-distance entangled-state transfer with Floquet topological edge modes. *Physical Review A*, **2020**, 102,	2.6	3
162	Unraveling non-Hermitian pumping: Emergent spectral singularities and anomalous responses. *Physical Review B*, **2020**, 102,	3.3	29
161	Nonlinearity induced topological physics in momentum space and real space. *Physical Review B*, **2020**, 102,	3.3	5
160	Emergent Fermi surface in a many-body non-Hermitian fermionic chain. *Physical Review B*, **2020**, 102,	3.3	23
159	Critical non-Hermitian skin effect. *Nature Communications*, **2020**, 11, 5491	17.4	46
158	Floquet dynamical quantum phase transitions. *Physical Review B*, **2019**, 100,	3.3	25
157	Coupled-wire construction of static and Floquet second-order topological insulators. *Physical Review B*, **2019**, 99,	3.3	46
156	Quantum geometric tensor in PT-symmetric quantum mechanics. *Physical Review A*, **2019**, 99,	2.6	15
155	Geometric characterization of non-Hermitian topological systems through the singularity ring in pseudospin vector space. *Physical Review B*, **2019**, 100,	3.3	38
154	Nonreciprocal Amplification with Four-Level Hot Atoms. *Physical Review Letters*, **2019**, 123, 033902	7.4	35
153	Hybrid Higher-Order Skin-Topological Modes in Nonreciprocal Systems. *Physical Review Letters*, **2019**, 123, 016805	7.4	134

152	Emergence and full 3D-imaging of nodal boundary Seifert surfaces in 4D topological matter. *Communications Physics*, **2019**, 2,	5.4	14
151	Time-dependent PT-symmetric quantum mechanics in generic non-Hermitian systems. *Physical Review A*, **2019**, 100,	2.6	13
150	Discrete time crystals in many-body quantum chaos. *Physical Review B*, **2019**, 100,	3.3	7
149	Floquet engineering with particle swarm optimization: Maximizing topological invariants. *Physical Review B*, **2019**, 100,	3.3	5
148	Piecewise adiabatic following: General analysis and exactly solvable models. *Physical Review A*, **2019**, 99,	2.6	8
147	Criteria of existence for bounce solutions in false vacuum decay with gravity. *Classical and Quantum Gravity*, **2018**, 35, 045016	3.3	1
146	Characterization of Lifshitz transitions in topological nodal line semimetals. *European Physical Journal B*, **2018**, 91, 1	1.2	2
145	Photoinduced half-integer quantized conductance plateaus in topological-insulator/superconductor heterostructures. *Physical Review B*, **2018**, 97,	3.3	18
144	Experimental Observation of a Generalized Thouless Pump with a Single Spin. *Physical Review Letters*, **2018**, 120, 120501	7.4	32
143	Realistic Floquet Semimetal with Exotic Topological Linkages between Arbitrarily Many Nodal Loops. *Physical Review Letters*, **2018**, 121, 036401	7.4	33
142	Dynamical quantum phase transitions in non-Hermitian lattices. *Physical Review A*, **2018**, 98,	2.6	51
141	Floquet topological phases in a spin-1/2 double kicked rotor. *Physical Review A*, **2018**, 97,	2.6	32
140	Simulation of Non-Abelian Braiding in Majorana Time Crystals. *Physical Review Letters*, **2018**, 120, 230405	7.4	40
139	Direct prediction of corner state configurations from edge winding numbers in two- and three-dimensional chiral-symmetric lattice systems. *Physical Review B*, **2018**, 98,	3.3	21
138	Non-Hermitian Floquet topological phases with arbitrarily many real-quasienergy edge states. *Physical Review B*, **2018**, 98,	3.3	61
137	Floquet Mechanism for Non-Abelian Fractional Quantum Hall States. *Physical Review Letters*, **2018**, 121, 237401	7.4	14
136	Quantum computation via Floquet topological edge modes. *Physical Review B*, **2018**, 98,	3.3	21
135	Topological characterization of one-dimensional open fermionic systems. *Physical Review A*, **2018**, 98,	2.6	2

134	Thermal-motion-induced non-reciprocal quantum optical system. *Nature Photonics*, **2018**, 12, 744-748	33.9	66
133	Piecewise adiabatic following in non-Hermitian cycling. *Physical Review A*, **2018**, 97,	2.6	12
132	Recipe for creating an arbitrary number of Floquet chiral edge states. *Physical Review B*, **2018**, 97,	3.3	32
131	Merits and qualms of work fluctuations in classical fluctuation theorems. *Physical Review E*, **2017**, 95, 012106	2.4	8
130	Quantum work fluctuations in connection with the Jarzynski equality. *Physical Review E*, **2017**, 96, 042112	2.4	6
129	Nonlinear Dirac cones. *Physical Review B*, **2017**, 96,	3.3	10
128	Interband coherence induced correction to Thouless pumping: possible observation in cold-atom systems. *European Physical Journal B*, **2017**, 90, 1	1.2	1
127	Engineering topological phases with a three-dimensional nodal-loop semimetal. *Physical Review B*, **2017**, 96,	3.3	8
126	Charge pumping in strongly coupled molecular quantum dots. *Physical Review B*, **2017**, 96,	3.3	2
125	Computational study of the two-terminal transport of Floquet quantum Hall insulators. *Physical Review B*, **2017**, 96,	3.3	23
124	Line nodes and surface Majorana flat bands in static and kicked p-wave superconducting Harper model. *Physical Review B*, **2017**, 95,	3.3	21
123	Deformed Jarzynski Equality. *Entropy*, **2017**, 19, 419	2.8	6
122	Floquet semimetal with Floquet-band holonomy. *Physical Review B*, **2016**, 94,	3.3	29
121	Perfect Zitterbewegung oscillations in the Kitaev chain system. *Physical Review A*, **2016**, 93,	2.6	2
120	Towards large-Chern-number topological phases by periodic quenching. *Physical Review B*, **2016**, 93,	3.3	41
119	Floquet topological semimetal phases of an extended kicked Harper model. *Physical Review E*, **2016**, 93, 022209	2.4	49
118	Finite-time Landau-Zener processes and counterdiabatic driving in open systems: Beyond Born, Markov, and rotating-wave approximations. *Physical Review A*, **2016**, 93,	2.6	23
117	Exponential wave-packet spreading via self-interaction time modulation. *Physical Review A*, **2016**, 94,	2.6	13

116	Generating controllable type-II Weyl points via periodic driving. *Physical Review B*, **2016**, 94,	3.3	26
115	Stabilizing non-Hermitian systems by periodic driving. *Physical Review A*, **2015**, 91,	2.6	39
114	Optimization of the environment for generating entanglement and spin squeezing. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2015**, 48, 115505	1.3	
113	From disordered quantum walk to physics of off-diagonal disorder. *Physical Review B*, **2015**, 92,	3.3	6
112	Effects of dephasing on quantum adiabatic pumping with nonequilibrium initial states. *Physical Review B*, **2015**, 92,	3.3	13
111	Construction and optimization of a quantum analog of the Carnot cycle. *Physical Review E*, **2015**, 92, 012118	2.4	17
110	Principle of minimal work fluctuations. *Physical Review E*, **2015**, 92, 022130	2.4	7
109	Interband coherence induced correction to adiabatic pumping in periodically driven systems. *Physical Review B*, **2015**, 91,	3.3	23
108	Suppression of work fluctuations by optimal control: An approach based on Jarzynski's equality. *Physical Review E*, **2014**, 90, 052132	2.4	21
107	Quantum and classical superballistic transport in a relativistic kicked-rotor system. *Physical Review E*, **2014**, 90, 022921	2.4	9
106	Zeno and anti-Zeno effects on dephasing. *Physical Review A*, **2014**, 90,	2.6	21
105	Decoherence induced by a composite environment. *Physical Review A*, **2014**, 89,	2.6	8
104	Aspects of Floquet bands and topological phase transitions in a continuously driven superlattice. *European Physical Journal B*, **2014**, 87, 1	1.2	36
103	Optical cavity quantum electrodynamics with dark-state polaritons. *Physical Review A*, **2014**, 89,	2.6	5
102	Hierarchical theory of quantum adiabatic evolution. *New Journal of Physics*, **2014**, 16, 123024	2.9	5
101	Topological effects in chiral symmetric driven systems. *Physical Review B*, **2014**, 90,	3.3	61
100	The effect of state preparation in a many-body system. *Canadian Journal of Chemistry*, **2014**, 92, 119-127	0.9	5
99	Synthetic Spin-Orbit Coupling in Two-Level Cold Atoms. *Chinese Physics Letters*, **2013**, 30, 080301	1.8	1

98	Boosting work characteristics and overall heat-engine performance via shortcuts to adiabaticity: quantum and classical systems. *Physical Review E*, **2013**, 88, 062122	2.4	102
97	Time-dependent $mathcal {P}$$mathcal {T}$-symmetric quantum mechanics. *Journal of Physics A: Mathematical and Theoretical*, **2013**, 46, 485302	2	66
96	Role of initial system-environment correlations: A master equation approach. *Physical Review A*, **2013**, 88,	2.6	28
95	Double Rabi model in the ultra-strong coupling regime: entanglement and chaos beyond the rotating wave approximation. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2013**, 46, 235504	1.3	
94	Amplification and suppression of system-bath-correlation effects in an open many-body system. *Physical Review A*, **2013**, 87,	2.6	26
93	Reexamination of measurement-induced chaos in entanglement-purification protocols. *Physical Review A*, **2013**, 87,	2.6	7
92	Intrinsic dynamical fluctuation assisted symmetry breaking in adiabatic following. *Physical Review Letters*, **2013**, 110, 130402	7.4	3
91	Generating many Majorana modes via periodic driving: A superconductor model. *Physical Review B*, **2013**, 87,	3.3	114
90	Kicked-Harper model versus on-resonance double-kicked rotor model: from spectral difference to topological equivalence. *Physical Review E*, **2013**, 88, 052920	2.4	19
89	Exponential quantum spreading in a class of kicked rotor systems near high-order resonances. *Physical Review E*, **2013**, 88, 052919	2.4	10
88	Quantum hyperdiffusion in one-dimensional tight-binding lattices. *Physical Review Letters*, **2012**, 108, 070603	7.4	25
87	Localization behavior of Dirac particles in disordered graphene superlattices. *Physical Review B*, **2012**, 85,	3.3	22
86	Statistical properties of power-law random banded unitary matrices in the delocalization-localization transition regime. *European Physical Journal B*, **2012**, 85, 1	1.2	1
85	Quantized adiabatic transport in momentum space. *Physical Review Letters*, **2012**, 109, 010601	7.4	77
84	Dynamical fluctuations in classical adiabatic processes: General description and their implications. *Annals of Physics*, **2012**, 327, 1202-1213	2.5	4
83	2 □2 random matrix ensembles with reduced symmetry: from Hermitian to $mathcal {PT}$ -symmetric matrices. *Journal of Physics A: Mathematical and Theoretical*, **2012**, 45, 444014	2	5
82	Noncanonical statistics of a spin-boson model: theory and exact Monte Carlo simulations. *Physical Review E*, **2012**, 86, 021109	2.4	36
81	Preferred states of decoherence under intermediate system-environment coupling. *Physical Review Letters*, **2012**, 108, 070403	7.4	15

80	Protecting and enhancing spin squeezing via continuous dynamical decoupling. *Physical Review A*, **2012**, 86,	2.6	16
79	Scalable engineering of multipartite W states in a spin chain. *Physical Review A*, **2012**, 85,	2.6	2
78	Decoherence control: Universal protection of two-qubit states and two-qubit gates using continuous driving fields. *Physical Review A*, **2012**, 85,	2.6	26
77	Protecting multi-qubit states in computational subspaces by nested dynamical decoupling sequences. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2012**, 45, 045501	1.3	1
76	Simulation of chemical isomerization reaction dynamics on a NMR quantum simulator. *Physical Review Letters*, **2011**, 107, 020501	7.4	51
75	Preservation of bipartite pseudoentanglement in solids using dynamical decoupling. *Physical Review Letters*, **2011**, 106, 040501	7.4	39
74	Converting Zitterbewegung oscillation to directed motion. *Europhysics Letters*, **2011**, 96, 10004	1.6	4
73	Fokker-Planck equation with arbitrary dc and ac fields: continued fraction method. *Physical Review E*, **2011**, 84, 011104	2.4	1
72	Wave packet dynamics in one-dimensional linear and nonlinear generalized Fibonacci lattices. *Physical Review E*, **2011**, 83, 056205	2.4	9
71	Long-lasting exponential spreading in periodically driven quantum systems. *Physical Review Letters*, **2011**, 107, 234104	7.4	27
70	Optimized dynamical decoupling sequences in protecting two-qubit states. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2011**, 44, 175501	1.3	15
69	Sensitive frequency dependence of the carrier-envelope phase effect on bound-bound transitions: An interference perspective. *Physical Review A*, **2010**, 82,	2.6	6
68	Geometric phase in PT-symmetric quantum mechanics. *Physical Review A*, **2010**, 82,	2.6	51
67	Dynamical creation of complex vector solitons in spinor Bose-Einstein condensates. *Physical Review A*, **2010**, 81,	2.6	24
66	Driven Dirac-like equation via mirror oscillation: Controlled cold-atom Zitterbewegung. *Physical Review A*, **2010**, 81,	2.6	22
65	Generating a fractal butterfly Floquet spectrum in a class of driven SU(2) systems. *Physical Review E* , **2010**, 81, 026204	2.4	6
64	Generating a fractal butterfly Floquet spectrum in a class of driven SU(2) systems: eigenstate statistics. *Physical Review E*, **2010**, 81, 066212	2.4	8
63	Indistinguishability and interference in the coherent control of atomic and molecular processes. *Journal of Chemical Physics*, **2010**, 132, 054306	3.9	9

62	Phase-space characterization of complexity in quantum many-body dynamics. *Physical Review E*, **2010**, 82, 046216	2.4	10
61	Universal dynamical decoupling: Two-qubit states and beyond. *Physical Review A*, **2010**, 81,	2.6	29
60	Protecting unknown two-qubit entangled states by nesting Uhrig dynamical decoupling sequences. *Physical Review A*, **2010**, 82,	2.6	37
59	Control of tripod-scheme cold-atom wavepackets by manipulating a non-Abelian vector potential. *Annals of Physics*, **2010**, 325, 1219-1234	2.5	2
58	Many-body coherent destruction of tunneling. *Physical Review Letters*, **2009**, 103, 133002	7.4	110
57	Symmetry breaking and self-trapping of a dipolar Bose-Einstein condensate in a double-well potential. *Physical Review A*, **2009**, 79,	2.6	69
56	Spectral relationships between kicked Harper and on-resonance double kicked rotor operators. *Journal of Mathematical Physics*, **2009**, 50, 032103	1.2	11
55	Wave-scattering formalism for thermal conductance in thin wires with surface disorder. *Physical Review B*, **2009**, 80,	3.3	22
54	Formation and transformation of vector solitons in two-species Bose-Einstein condensates with a tunable interaction. *Physical Review A*, **2009**, 79,	2.6	62
53	All-optical imprinting of geometric phases onto matter waves. *Physical Review A*, **2009**, 79,	2.6	5
52	Controlled measurement processes: Simple spin-chain model of controlled quantum-state amplification. *Physical Review A*, **2009**, 79,	2.6	4
51	Butterfly Floquet spectrum in driven SU(2) systems. *Physical Review Letters*, **2009**, 102, 244102	7.4	16
50	Equilibrium susceptibilities of superparamagnets: longitudinal and transverse, quantum and classical. *Journal of Physics Condensed Matter*, **2009**, 21, 456006	1.8	8
49	Quantum control of ultra-cold atoms: uncovering a novel connection between two paradigms of quantum nonlinear dynamics. *Journal of Modern Optics*, **2009**, 56, 722-728	1.1	14
48	Chaos and correspondence in classical and quantum Hamiltonian ratchets: a Heisenberg approach. *Physical Review E*, **2009**, 79, 066207	2.4	8
47	Imaging the geometrical structure of the H2+ molecular ion by high-order above-threshold ionization in an intense laser field. *Physical Review A*, **2009**, 80,	2.6	19
46	Families of vortex solitons in periodic media. *Physical Review A*, **2008**, 77,	2.6	45
45	Nonlinear Landau Zener processes in a periodic driving field. *New Journal of Physics*, **2008**, 10, 073008	2.9	17

44	Proposal of a cold-atom realization of quantum maps with Hofstadter butterfly spectrum. *Physical Review A*, **2008**, 77,	2.6	42
43	Two-mode Bose-Einstein condensate in a high-frequency driving field that directly couples the two modes. *Physical Review A*, **2008**, 77,	2.6	36
42	Conductance properties of rough quantum wires with colored surface disorder. *Physical Review B*, **2008**, 78,	3.3	10
41	Quantum ratchet accelerator without a bichromatic lattice potential. *Physical Review E*, **2008**, 78, 036219	2.4	31
40	Entanglement-induced decoherence and energy eigenstates. *Physical Review A*, **2008**, 77,	2.6	22
39	Controlling the population imbalance of a Bose-Einstein condensate by a symmetry-breaking driving field. *Physical Review A*, **2008**, 78,	2.6	25
38	Spin-dependent electron transport in two-dimensional waveguides of arbitrary geometry. *Physical Review B*, **2008**, 77,	3.3	11
37	Adiabatic quantum transport in a spin chain with a moving potential. *Physical Review A*, **2008**, 77,	2.6	25
36	Controlling the ratchet effect for cold atoms. *Physical Review Letters*, **2008**, 100, 044104	7.4	43
35	Quantum ratchet control harvesting on Landau-Zener transitions. *Europhysics Letters*, **2008**, 83, 40005	1.6	6
34	Explicit designs of spin chains for perfect quantum state transfer. *European Physical Journal D*, **2008**, 50, 193-199	1.3	8
33	Infrared multiphoton induced isomerization and dissociation of FCN, ClCN, and BrCN in liquid Ar: a classical simulation study. *Journal of Chemical Physics*, **2007**, 127, 144501	3.9	6
32	Controlled quantum-state transfer in a spin chain. *Physical Review A*, **2007**, 75,	2.6	21
31	Dissipationless directed transport in rocked single-band quantum dynamics. *Physical Review A*, **2007**, 75,	2.6	25
30	Quantum diffusion dynamics in nonlinear systems: a modified kicked-rotor model. *Physical Review E*, **2007**, 76, 036217	2.4	16
29	Generic quantum ratchet accelerator with full classical chaos. *Physical Review Letters*, **2006**, 97, 240602	7.4	48
28	Born rule in quantum and classical mechanics. *Physical Review A*, **2006**, 73,	2.6	17
27	Simple three-parameter model potential for diatomic systems: from weakly and strongly bound molecules to metastable molecular ions. *Physical Review Letters*, **2005**, 95, 263202	7.4	49

26	Classical, Semiclassical, and Quantum Mechanical Unimolecular Reaction Rate Theory. *Advances in Chemical Physics*, **2005**, 1-142		4
25	Isomerization and dissociation dynamics of HCN in a picosecond infrared laser field: a full-dimensional classical study. *Journal of Chemical Physics*, **2005**, 122, 144311	3.9	23
24	Controlled subnanosecond isomerization of HCN to CNH in solution. *Journal of Chemical Physics*, **2005**, 122, 204505	3.9	20
23	Binding nonpolar molecules in an attractive inverse square potential. *Physical Review A*, **2005**, 72,	2.6	2
22	Quantum chaos meets coherent control. *Annual Review of Physical Chemistry*, **2005**, 56, 1-23	15.7	34
21	General method for complete population transfer in degenerate systems. *Physical Review A*, **2004**, 69,	2.6	18
20	Complete quantum control of the population transfer branching ratio between two degenerate target states. *Journal of Chemical Physics*, **2004**, 121, 1364-72	3.9	13
19	Directed anomalous diffusion without a biased field: a ratchet accelerator. *Physical Review E*, **2004**, 70, 016202	2.4	44
18	Adiabatic population transfer in a liquid: taking advantage of a decaying target state. *Journal of Chemical Physics*, **2004**, 120, 3777-86	3.9	14
17	Selective photochemistry via adiabatic passage: degenerate product states with different lifetimes. *Journal of Chemical Physics*, **2004**, 120, 5117-27	3.9	9
16	Measurement-assisted coherent control. *Journal of Chemical Physics*, **2004**, 120, 9984-8	3.9	36
15	Variations on adiabatic passage in optical control of molecular processes. *Journal of Modern Optics*, **2004**, 51, 2477-2484	1.1	1
14	Quantum versus classical decoherence dynamics. *Journal of Modern Optics*, **2003**, 50, 2411-2422	1.1	5
13	Intrinsic decoherence dynamics in smooth Hamiltonian systems: Quantum-classical correspondence. *Physical Review A*, **2003**, 68,	2.6	41
12	Chaos and quantum-classical correspondence via phase-space distribution functions. *Physical Review A*, **2003**, 68,	2.6	19
11	When is quantum decoherence dynamics classical?. *Physical Review Letters*, **2003**, 90, 050402	7.4	33
10	Coherent manipulation of quantum delta-kicked dynamics: faster-than-classical anomalous diffusion. *Physical Review E*, **2003**, 68, 026209	2.4	9
9	Entanglement-assisted coherent control in nonreactive diatom□diatom scattering. *Journal of Chemical Physics*, **2003**, 118, 2626	3.9	16

8	Control of dynamical localization. *Physical Review E*, **2003**, 68, 056202	2.4	14
7	Phase control of nonadiabaticity-induced quantum chaos in an optical lattice. *Physical Review Letters*, **2002**, 88, 203001	7.4	11
6	Comment on "Reaction imaging with interferometry". *Physical Review Letters*, **2002**, 89, 109301; author reply 109302	7.4	2
5	Coherent control of quantum chaotic diffusion: Diatomic molecules in a pulsed microwave field. *Journal of Chemical Physics*, **2001**, 115, 3590-3597	3.9	23
4	Coherent control of quantum chaotic diffusion. *Physical Review Letters*, **2001**, 86, 1741-4	7.4	36
3	Decoherence and correspondence in conservative chaotic dynamics. *Physical Review E*, **1999**, 60, 1643-7	2.4	23
2	Development of quantum nonintegrability displayed in effective Hamiltonians: A three-level Lipkin model. *Physical Review E*, **1995**, 51, 1770-1779	2.4	13
1	Coherence-preserving chaos in a mixed quantum classical description. *Physical Review E*, **1995**, 52, 57-62	2.4	2