

## List of Publications by Citations

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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.

161 papers	6,884 citations	47 h-index	76 g-index
166 ext. papers	7,545 ext. citations	4.3 avg, IF	6.36 L-index



#	Paper	IF	Citations
161	The formulation of quantum statistical mechanics based on the Feynman path centroid density. II. Dynamical properties. <i>Journal of Chemical Physics</i> , <b>1994</b> , 100, 5106-5117	3.9	399
160	The formulation of quantum statistical mechanics based on the Feynman path centroid density. I. Equilibrium properties. <i>Journal of Chemical Physics</i> , <b>1994</b> , 100, 5093-5105	3.9	273
159	The formulation of quantum statistical mechanics based on the Feynman path centroid density. IV. Algorithms for centroid molecular dynamics. <i>Journal of Chemical Physics</i> , <b>1994</b> , 101, 6168-6183	3.9	268
158	The formulation of quantum statistical mechanics based on the Feynman path centroid density. III. Phase space formalism and analysis of centroid molecular dynamics. <i>Journal of Chemical Physics</i> , <b>1994</b> , 101, 6157-6167	3.9	209
157	A new perspective on quantum time correlation functions. <i>Journal of Chemical Physics</i> , <b>1993</b> , 99, 10070-10073	3.9	204
156	Optimization of exciton trapping in energy transfer processes. <i>Journal of Physical Chemistry A</i> , <b>2009</b> , 113, 13825-38	2.8	202
155	Efficient energy transfer in light-harvesting systems, I: optimal temperature, reorganization energy and spatial-temporal correlations. <i>New Journal of Physics</i> , <b>2010</b> , 12, 105012	2.9	163
154	Molecular "Pulse" for Total Inversion of Electronic State Population. <i>Physical Review Letters</i> , <b>1998</b> , 80, 1406-1409	7.4	146
153	Quantum biology revisited. <i>Science Advances</i> , <b>2020</b> , 6, eaaz4888	14.3	133
152	Event-averaged measurements of single-molecule kinetics. <i>Chemical Physics Letters</i> , <b>2000</b> , 327, 38-44	2.5	113
151	Efficient Energy Transfer in Light-Harvesting Systems, III: The Influence of the Eighth Bacteriochlorophyll on the Dynamics and Efficiency in FMO. <i>Journal of Physical Chemistry Letters</i> , <b>2011</b> , 2, 3045-3052	6.4	112
150	Evolution of the Single-Nanocrystal Photoluminescence Linewidth with Size and Shell: Implications for Exciton-Phonon Coupling and the Optimization of Spectral Linewidths. <i>Nano Letters</i> , <b>2016</b> , 16, 289-96	11.5	109
149	The formulation of quantum statistical mechanics based on the Feynman path centroid density. V. Quantum instantaneous normal mode theory of liquids. <i>Journal of Chemical Physics</i> , <b>1994</b> , 101, 6184-6192	3.9	107
148	Excitonic effects from geometric order and disorder explain broadband optical absorption in eumelanin. <i>Nature Communications</i> , <b>2014</b> , 5, 3859	17.4	106
147	On energy estimators in path integral Monte Carlo simulations: Dependence of accuracy on algorithm. <i>Journal of Chemical Physics</i> , <b>1989</b> , 91, 6359-6366	3.9	94
146	Direct measurements of memory effects in single-molecule kinetics. <i>Journal of Chemical Physics</i> , <b>2002</b> , 117, 10996-11009	3.9	90
145	A hybrid stochastic hierarchy equations of motion approach to treat the low temperature dynamics of non-Markovian open quantum systems. <i>Journal of Chemical Physics</i> , <b>2013</b> , 139, 134106	3.9	89



- 144 Generic schemes for single-molecule kinetics. 1: Self-consistent pathway solutions for renewal processes. *Journal of Physical Chemistry B*, **2008**, 112, 12867-80 3.4 89
- 143 Non-Markovian dynamical maps: numerical processing of open quantum trajectories. *Physical Review Letters*, **2014**, 112, 110401 7.4 84
- 142 Coherent quantum transport in disordered systems: I. The influence of dephasing on the transport properties and absorption spectra on one-dimensional systems. *New Journal of Physics*, **2013**, 15, 085010 3.9 80
- 141 A unified framework for quantum activated rate processes. I. General theory. *Journal of Chemical Physics*, **1996**, 105, 6856-6870 3.9 77
- 140 Accuracy of second order perturbation theory in the polaron and variational polaron frames. *Journal of Chemical Physics*, **2012**, 136, 204120 3.9 76
- 139 A novel method for simulating quantum dissipative systems. *Journal of Chemical Physics*, **1996**, 104, 4189-4197 3.9 76
- 138 Fourth-order quantum master equation and its Markovian bath limit. *Journal of Chemical Physics*, **2002**, 116, 2705-2717 3.9 74
- 137 Semiclassical approximations to quantum dynamical time correlation functions. *Journal of Chemical Physics*, **1996**, 104, 273-285 3.9 73
- 136 Equilibrium-reduced density matrix formulation: Influence of noise, disorder, and temperature on localization in excitonic systems. *Physical Review B*, **2012**, 85, 3.3 72
- 135 A phase-space study of Bloch-Redfield theory. *Journal of Chemical Physics*, **1997**, 107, 3204-3209 3.9 72
- 134 Two-Event Echos in Single-Molecule Kinetics: A Signature of Conformational Fluctuations *Journal of Physical Chemistry B*, **2001**, 105, 6536-6549 3.4 69
- 133 Efficient energy transfer in light-harvesting systems: quantum-classical comparison, flux network, and robustness analysis. *Journal of Chemical Physics*, **2012**, 137, 174111 3.9 67
- 132 Ultrafast X-ray Diffraction Theory. *Journal of Physical Chemistry A*, **1998**, 102, 9523-9530 2.8 67
- 131 Nonequilibrium Energy Transfer at Nanoscale: A Unified Theory from Weak to Strong Coupling. *Scientific Reports*, **2015**, 5, 11787 4.9 65
- 130 Ultrafast X-ray and Electron Diffraction: Theoretical Considerations. *Journal of Physical Chemistry A*, **1997**, 101, 8743-8761 2.8 65
- 129 Chirped pulse enhancement of multiphoton absorption in molecular iodine. *Journal of Chemical Physics*, **1998**, 108, 2309-2313 3.9 64
- 128 Single molecule kinetics. I. Theoretical analysis of indicators. *Journal of Chemical Physics*, **2004**, 121, 6361-6372 3.9 62
- 127 Förster resonance energy transfer, absorption and emission spectra in multichromophoric systems. I. Full cumulant expansions and system-bath entanglement. *Journal of Chemical Physics*, **2015**, 142, 094106 3.9 60



126	A unified framework for quantum activated rate processes. II. The nonadiabatic limit. <i>Journal of Chemical Physics</i> , <b>1997</b> , 106, 1769-1779	3.9	59
125	Generic mechanism of optimal energy transfer efficiency: a scaling theory of the mean first-passage time in exciton systems. <i>Physical Review Letters</i> , <b>2013</b> , 110, 200402	7.4	58
124	Michaelis-Menten equation and detailed balance in enzymatic networks. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 5493-8	3.4	58
123	Molecular pulses: Population inversion with positively chirped short pulses. <i>Journal of Chemical Physics</i> , <b>2000</b> , 113, 1898-1909	3.9	57
122	Low-temperature variational approximation for the Feynman quantum propagator and its application to the simulation of quantum systems. <i>Journal of Chemical Physics</i> , <b>1990</b> , 92, 7531-7539	3.9	56
121	Zero-temperature localization in a sub-Ohmic spin-boson model investigated by an extended hierarchy equation of motion. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	55
120	Linear and nonlinear response functions of the Morse oscillator: Classical divergence and the uncertainty principle. <i>Journal of Chemical Physics</i> , <b>2001</b> , 115, 5381-5391	3.9	55
119	Coherent Exciton Dynamics in the Presence of Underdamped Vibrations. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 627-32	6.4	53
118	Structural arrest transitions in fluids described by two Yukawa potentials. <i>Physical Review E</i> , <b>2004</b> , 70, 050401	2.4	52
117	Quantum-classical correspondence in response theory. <i>Physical Review Letters</i> , <b>2005</b> , 95, 180405	7.4	52
116	Optimal fold symmetry of LH2 rings on a photosynthetic membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 8537-42	11.5	49
115	Efficient simulation of non-Markovian system-environment interaction. <i>New Journal of Physics</i> , <b>2016</b> , 18, 023035	2.9	48
114	A simple physical picture for quantum control of wave packet localization. <i>Journal of Chemical Physics</i> , <b>1997</b> , 107, 1441-1450	3.9	47
113	Coherent quantum transport in disordered systems: A unified polaron treatment of hopping and band-like transport. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 164103	3.9	46
112	Calculations of nonlinear spectra of liquid Xe. II. Fifth-order Raman response. <i>Journal of Chemical Physics</i> , <b>2002</b> , 116, 3760-3776	3.9	46
111	The computation of electron transfer rates: The nonadiabatic instanton solution. <i>Journal of Chemical Physics</i> , <b>1995</b> , 103, 1391-1399	3.9	46
110	Unifying quantum heat transfer in a nonequilibrium spin-boson model with full counting statistics. <i>Physical Review A</i> , <b>2017</b> , 95,	2.6	45
109	Polaron effects on the performance of light-harvesting systems: a quantum heat engine perspective. <i>New Journal of Physics</i> , <b>2016</b> , 18, 023003	2.9	43



108	Förster resonance energy transfer, absorption and emission spectra in multichromophoric systems. III. Exact stochastic path integral evaluation. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 094108	3.9	41
107	Non-canonical distribution and non-equilibrium transport beyond weak system-bath coupling regime: A polaron transformation approach. <i>Frontiers of Physics</i> , <b>2016</b> , 11, 1	3.7	41
106	Modeling physical systems by effective harmonic oscillators: The optimized quadratic approximation. <i>Journal of Chemical Physics</i> , <b>1995</b> , 102, 3337-3348	3.9	41
105	A unified stochastic formulation of dissipative quantum dynamics. I. Generalized hierarchical equations. <i>Journal of Chemical Physics</i> , <b>2018</b> , 148, 014103	3.9	40
104	Quantum control of dissipative systems: Exact solutions. <i>Journal of Chemical Physics</i> , <b>1997</b> , 106, 5239-5248	3.9	39
103	Efficiency at maximum power of a laser quantum heat engine enhanced by noise-induced coherence. <i>Physical Review E</i> , <b>2018</b> , 97, 042120	2.4	38
102	Monte Carlo methods for accelerating barrier crossing: Anti-force-bias and variable step algorithms. <i>Journal of Chemical Physics</i> , <b>1990</b> , 92, 1980-1985	3.9	38
101	Noncanonical statistics of a spin-boson model: theory and exact Monte Carlo simulations. <i>Physical Review E</i> , <b>2012</b> , 86, 021109	2.4	36
100	High-order mode-coupling theory for the colloidal glass transition. <i>Physical Review Letters</i> , <b>2005</b> , 95, 078301	7.4	36
99	Theory and simulation of polar and nonpolar polarizable fluids. <i>Journal of Chemical Physics</i> , <b>1993</b> , 99, 6998-7011	3.9	36
98	A unified stochastic formulation of dissipative quantum dynamics. II. Beyond linear response of spin baths. <i>Journal of Chemical Physics</i> , <b>2018</b> , 148, 014104	3.9	34
97	Dynamical signatures of molecular symmetries in nonequilibrium quantum transport. <i>Scientific Reports</i> , <b>2016</b> , 6, 28027	4.9	33
96	Single molecule kinetics. II. Numerical Bayesian approach. <i>Journal of Chemical Physics</i> , <b>2004</b> , 121, 6373-9	3.9	33
95	A theory for time correlation functions in liquids. <i>Journal of Chemical Physics</i> , <b>1995</b> , 103, 4211-4220	3.9	33
94	Correlations in single molecule photon statistics: renewal indicator. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 19040-3	3.4	32
93	Accurate Long-Time Mixed Quantum-Classical Liouville Dynamics via the Transfer Tensor Method. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 4809-4814	6.4	31
92	Large Area Directed Self-Assembly of Sub-10 nm Particles with Single Particle Positioning Resolution. <i>Nano Letters</i> , <b>2015</b> , 15, 6066-70	11.5	31
91	Detecting wave packet motion in pump-probe experiments: Theoretical analysis. <i>Journal of Chemical Physics</i> , <b>1997</b> , 106, 5062-5072	3.9	31



90	Calculations of nonlinear spectra of liquid Xe. I. Third-order Raman response. <i>Journal of Chemical Physics</i> , <b>2002</b> , 116, 3739-3759	3.9	31
89	Ultrafast extended x-ray absorption fine structure (EXAFS) theoretical considerations. <i>Journal of Chemical Physics</i> , <b>1999</b> , 111, 6238-6246	3.9	31
88	Quantitative interpretation of the randomness in single enzyme turnover times. <i>Biophysical Journal</i> , <b>2011</b> , 101, 519-24	2.9	30
87	On the Temperature Dependence of Molecular Line Shapes Due to Linearly Coupled Phonon Bands. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 8313-8317	3.4	30
86	Effects of bath relaxation on dissipative two-state dynamics. <i>Journal of Chemical Physics</i> , <b>2000</b> , 112, 6719-6724	3.5	30
85	Using time-dependent rate equations to describe chirped pulse excitation in condensed phases. <i>Chemical Physics Letters</i> , <b>1999</b> , 302, 405-410	2.5	30
84	Quantum Diffusion on Molecular Tubes: Universal Scaling of the 1D to 2D Transition. <i>Physical Review Letters</i> , <b>2016</b> , 116, 196803	7.4	29
83	Universality of Poisson indicator and Fano factor of transport event statistics in ion channels and enzyme kinetics. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 503-9	3.4	29
82	Nonadiabatic Dynamics via the Symmetrical Quasi-Classical Method in the Presence of Anharmonicity. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 319-326	6.4	28
81	Faster resonance energy transfer, absorption and emission spectra in multichromophoric systems. II. Hybrid cumulant expansion. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 094107	3.9	28
80	Probing the cytoadherence of malaria infected red blood cells under flow. <i>PLoS ONE</i> , <b>2013</b> , 8, e64763	3.7	28
79	Nondivergent classical response functions from uncertainty principle: quasiperiodic systems. <i>Journal of Chemical Physics</i> , <b>2005</b> , 122, 024109	3.9	27
78	Optimal thermal bath for robust excitation energy transfer in disordered light-harvesting complex 2 of purple bacteria. <i>New Journal of Physics</i> , <b>2013</b> , 15, 125030	2.9	26
77	Coherent quantum transport in disordered systems: II. Temperature dependence of carrier diffusion coefficients from the time-dependent wavepacket diffusion method. <i>New Journal of Physics</i> , <b>2014</b> , 16, 045009	2.9	25
76	Higher-order kinetic expansion of quantum dissipative dynamics: mapping quantum networks to kinetic networks. <i>Journal of Chemical Physics</i> , <b>2013</b> , 139, 044102	3.9	24
75	Electronic Coherence in Mixed-Valence Systems: Spectral Analysis. <i>Journal of Physical Chemistry A</i> , <b>1999</b> , 103, 9460-9468	2.8	24
74	Photochemical Control of Exciton Superradiance in Light-Harvesting Nanotubes. <i>ACS Nano</i> , <b>2018</b> , 12, 4556-4564	16.7	23
73	Nonadiabatic instanton calculation of multistate electron transfer reaction rate: Interference effects in three and four states systems. <i>Journal of Chemical Physics</i> , <b>2001</b> , 114, 9959-9968	3.9	23



72	Intrapulse Dynamical Effects in Multiphoton Processes: Theoretical Analysis. <i>Journal of Physical Chemistry A</i> , <b>1998</b> , 102, 4284-4290	2.8	23
71	Design Principles for Two-Dimensional Molecular Aggregates Using Kasha's Model: Tunable Photophysics in Near and Short-Wave Infrared. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 18702-18710	3.8	22
70	Spectral analysis of electron transfer kinetics. I. Symmetric reactions. <i>Journal of Chemical Physics</i> , <b>2000</b> , 112, 4716-4722	3.9	22
69	Conformational Nonequilibrium Enzyme Kinetics: Generalized Michaelis-Menten Equation. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 3619-3623	6.4	21
68	Single-molecule dynamics of semiflexible Gaussian chains. <i>Journal of Chemical Physics</i> , <b>2002</b> , 117, 11010-11023	3.9	21
67	Correlative Dark-Field and Photoluminescence Spectroscopy of Individual Plasmon-Molecule Hybrid Nanostructures in a Strong Coupling Regime. <i>ACS Photonics</i> , <b>2019</b> , 6, 2570-2576	6.3	20
66	Optimal efficiency of self-assembling light-harvesting arrays. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 16189-97	3.4	19
65	Quantum Effects in Chemical Reactions under Polaritonic Vibrational Strong Coupling. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 9531-9538	6.4	18
64	Initial system-environment correlations via the transfer-tensor method. <i>Physical Review A</i> , <b>2017</b> , 96,	2.6	17
63	Quantum transport in d-dimensional lattices. <i>New Journal of Physics</i> , <b>2016</b> , 18, 043044	2.9	17
62	Directed Self-Assembly of sub-10 nm Particles: Role of Driving Forces and Template Geometry in Packing and Ordering. <i>Langmuir</i> , <b>2015</b> , 31, 8548-57	4	16
61	Stiffening of Red Blood Cells Induced by Cytoskeleton Disorders: A Joint Theory-Experiment Study. <i>Biophysical Journal</i> , <b>2015</b> , 109, 2287-94	2.9	16
60	Modeling spatial correlation of DNA deformation: DNA allostery in protein binding. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 13378-87	3.4	16
59	Bistability of cell adhesion in shear flow. <i>Biophysical Journal</i> , <b>2011</b> , 101, 1032-40	2.9	16
58	Steady-State Analysis of Light-Harvesting Energy Transfer Driven by Incoherent Light: From Dimers to Networks. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 7204-7211	6.4	16
57	A continued fraction resummation form of bath relaxation effect in the spin-boson model. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 084103	3.9	15
56	Impact of the lipid bilayer on energy transfer kinetics in the photosynthetic protein LH2. <i>Chemical Science</i> , <b>2018</b> , 9, 3095-3104	9.4	15
55	Spectral analysis of electron transfer kinetics. II. <i>Journal of Chemical Physics</i> , <b>2002</b> , 117, 3822-3836	3.9	15



54	On the Feynman path centroid density as a phase space distribution in quantum statistical mechanics. <i>Journal of Chemical Physics</i> , <b>1995</b> , 103, 5018-5026	3.9	15
53	Scaling relations and optimization of excitonic energy transfer rates between one-dimensional molecular aggregates. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 7827-34	3.4	14
52	Construction of Multichromophoric Spectra from Monomer Data: Applications to Resonant Energy Transfer. <i>Physical Review Letters</i> , <b>2017</b> , 118, 013001	7.4	13
51	Minimal Model of Quantum Kinetic Clusters for the Energy-Transfer Network of a Light-Harvesting Protein Complex. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 1240-5	6.4	13
50	The influence of dissipation on the quantum-classical correspondence: stability of stochastic trajectories. <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 234107	3.9	13
49	Ground-state shapes and structures of colloidal domains. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2006</b> , 371, 249-255	3.3	13
48	Unusual Transport Properties with Noncommutative System-Bath Coupling Operators. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 4080-4085	6.4	12
47	Correlated Local Bending of a DNA Double Helix and Its Effect on DNA Flexibility in the Sub-Persistence-Length Regime. <i>Journal of Physical Chemistry Letters</i> , <b>2014</b> , 5, 2868-73	6.4	12
46	Optimal tunneling enhances the quantum photovoltaic effect in double quantum dots. <i>New Journal of Physics</i> , <b>2014</b> , 16, 045019	2.9	12
45	Quantum recurrence from a semiclassical resummation. <i>Chemical Physics</i> , <b>2006</b> , 322, 41-45	2.3	12
44	A Nonequilibrium Variational Polaron Theory to Study Quantum Heat Transport. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 17196-17204	3.8	11
43	Frequency-dependent current noise in quantum heat transfer: A unified polaron calculation. <i>Journal of Chemical Physics</i> , <b>2018</b> , 148, 234104	3.9	11
42	Generalized Kasha Model: T-Dependent Spectroscopy Reveals Short-Range Structures of 2D Excitonic Systems. <i>Chem</i> , <b>2019</b> , 5, 3135-3150	16.2	11
41	Graphene oxide inhibits malaria parasite invasion and delays parasitic growth in vitro. <i>Nanoscale</i> , <b>2017</b> , 9, 14065-14073	7.7	11
40	Extracting the number of quantum dots in a microenvironment from ensemble fluorescence intensity fluctuations. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	11
39	Expression dynamics and physiologically relevant functional study of STEVOR in asexual stages of Plasmodium falciparum infection. <i>Cellular Microbiology</i> , <b>2017</b> , 19, e12715	3.9	9
38	Tuning the Aharonov-Bohm effect with dephasing in nonequilibrium transport. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	9
37	How two-dimensional brick layer J-aggregates differ from linear ones: Excitonic properties and line broadening mechanisms. <i>Journal of Chemical Physics</i> , <b>2016</b> , 144, 134310	3.9	9



36	Single molecule and multiple bond characterization of catch bond associated cytoadhesion in malaria. <i>Scientific Reports</i> , <b>2017</b> , 7, 4208	4.9	9
35	Gaussian factorization of hydrodynamic correlation functions and mode-coupling memory kernels. <i>Physical Review E</i> , <b>2003</b> , 67, 061116	2.4	9
34	Theory of polarizable liquid crystals: Optical birefringence. <i>Journal of Chemical Physics</i> , <b>1993</b> , 99, 2213-2220	3.9	9
33	Interfacial thermal transport with strong system-bath coupling: A phonon delocalization effect. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	9
32	Generic Schemes for Single-Molecule Kinetics. 2: Information Content of the Poisson Indicator. <i>Journal of Physical Chemistry B</i> , <b>2017</b> , 121, 7750-7760	3.4	8
31	Spectrins in axonal cytoskeletons: dynamics revealed by extensions and fluctuations. <i>Journal of Chemical Physics</i> , <b>2014</b> , 141, 015101	3.9	8
30	Generalized Michaelis-Menten Equation for Conformation-Modulated Monomeric Enzymes. <i>Advances in Chemical Physics</i> , <b>2011</b> , 329-365		8
29	Stability analysis of three-dimensional colloidal domains: quadratic fluctuations. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 21342-9	3.4	8
28	Discontinuities in Driven Spin-Boson Systems due to Coherent Destruction of Tunneling: Breakdown of the Floquet-Gibbs Distribution. <i>Physical Review Letters</i> , <b>2019</b> , 123, 120602	7.4	7
27	Stochastic resonance of quantum discord. <i>Physical Review A</i> , <b>2011</b> , 84,	2.6	7
26	First-principle path integral study of DNA under hydrodynamic flows. <i>Chemical Physics Letters</i> , <b>2003</b> , 377, 399-405	2.5	6
25	Single molecule waiting time distribution functions in quantum processes. <i>Journal of Chemical Physics</i> , <b>2001</b> , 114, 5137-5140	3.9	6
24	Magnetic field induced symmetry breaking in nonequilibrium quantum networks. <i>New Journal of Physics</i> , <b>2020</b> , 22, 083026	2.9	6
23	Absorption and Circular Dichroism Spectra of Molecular Aggregates With the Full Cumulant Expansion. <i>Journal of Physical Chemistry B</i> , <b>2020</b> , 124, 8610-8617	3.4	6
22	Transitions in genetic toggle switches driven by dynamic disorder in rate coefficients. <i>Journal of Chemical Physics</i> , <b>2016</b> , 144, 175104	3.9	6
21	Unusual dynamical properties of disordered polaritons in microcavities. <i>Physical Review B</i> , <b>2022</b> , 105,	3.3	6
20	Dynamical Symmetries and Symmetry-Protected Selection Rules in Periodically Driven Quantum Systems. <i>Physical Review Letters</i> , <b>2021</b> , 126, 090601	7.4	5
19	Shape transition of unstrained flattest single-walled carbon nanotubes under pressure. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 044512	2.5	4



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- 17 Suppression of photon-echo as a signature of chaos. *Journal of Physical Chemistry B*, **2008**, 112, 15999-6007 3.4 4
- 16 East Model: Basis Set Expansion, Mode Coupling, and Irreducible Memory Kernels *Journal of Physical Chemistry B*, **2004**, 108, 6796-6808 3.4 4
- 15 Steepest Descent Path Study of Electron-Transfer Reactions *Journal of Physical Chemistry A*, **1999**, 103, 10571-10579 2.8 4
- 14 A theory for the quantum activated rate constant in dissipative systems. *Chemical Physics Letters*, **1996**, 261, 111-116 2.5 4
- 13 Generic Schemes for Single-Molecule Kinetics. 3: Self-Consistent Pathway Solutions for Nonrenewal Processes. *Journal of Physical Chemistry B*, **2018**, 122, 4601-4610 3.4 3
- 12 Noise-induced dynamic symmetry breaking and stochastic transitions in ABA molecules: II. Symmetric/Antisymmetric normal mode switching. *Chemical Physics*, **2010**, 370, 258-269 2.3 3
- 11 Temperature-Induced Catch-Slip to Slip Bond Transit in Plasmodium falciparum-Infected Erythrocytes. *Biophysical Journal*, **2020**, 118, 105-116 2.9 3
- 10 Universal Scalings in Two-Dimensional Anisotropic Dipolar Excitonic Systems. *Physical Review Letters*, **2021**, 127, 047402 7.4 3
- 9 Noise-induced dynamic symmetry breaking and stochastic transitions in ABA molecules: I. Classification of vibrational modes. *Journal of Physical Chemistry B*, **2010**, 114, 6549-60 3.4 2
- 8 Phase and orientational ordering of low molecular weight rod molecules in a quenched liquid crystalline polymer matrix with mobile side chains. *Journal of Chemical Physics*, **2004**, 120, 11316-26 3.9 2
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- 5 1S5-5 Generic models for single molecule biological processes : Generic models for single molecule biological processes(1S5 Linking single molecule spectroscopy and energy landscape perspectives,The 46th Annual Meeting of the Biophysical Society of Japan). *Seibutsu Butsuri*, **2008**, 48, 55 0
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