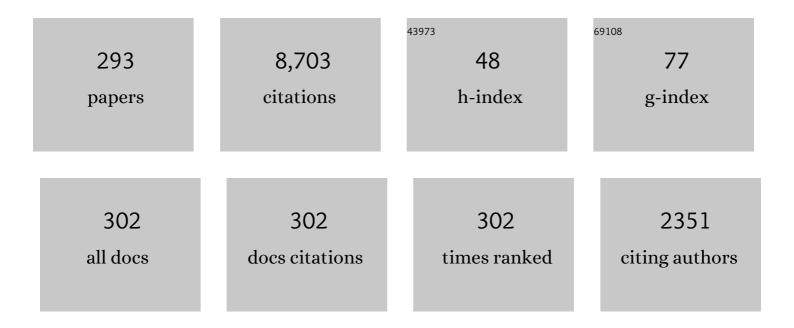
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Lower Bounds for Nonrelativistic Atomic Energies. ACS Physical Chemistry Au, 2022, 2, 23-37.	1.9	14
2	Coherent state representation of thermal correlation functions with applications to rate theory. Journal of Chemical Physics, 2022, 156, .	1.2	5
3	Determination of the tunneling flight time as the reflected phase time. Physical Review A, 2021, 103, .	1.0	15
4	Lower Bounds for Coulombic Systems. Journal of Chemical Theory and Computation, 2021, 17, 1535-1547.	2.3	5
5	Determination of the mean tunneling flight time in the Büttiker-Landauer oscillating-barrier model as the reflected phase time. Physical Review A, 2021, 103, .	1.0	5
6	Comparison of a direct measure of barrier crossing times with indirect measures such as the Larmor time. New Journal of Physics, 2021, 23, 063044.	1.2	7
7	What can we learn from transition path time distributions for protein folding and unfolding?. Physical Chemistry Chemical Physics, 2021, 23, 23787-23795.	1.3	6
8	The Influence of the Symmetry of Identical Particles on Flight Times. Entropy, 2021, 23, 1675.	1.1	6
9	Comparison of an improved self-consistent lower bound theory with Lehmann's method for low-lying eigenvalues. Scientific Reports, 2021, 11, 23450.	1.6	3
10	Upper and lower bounds for tunneling splittings in a symmetric double-well potential. RSC Advances, 2020, 10, 34681-34689.	1.7	5
11	Self-consistent theory of lower bounds for eigenvalues. Journal of Chemical Physics, 2020, 152, 244110.	1.2	7
12	Lower bounds to eigenvalues of the Schrödinger equation by solution of a 90-y challenge. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 16181-16186.	3.3	8
13	Quantum threshold reflection of He-atom beams from rough surfaces. Physical Review A, 2020, 101, .	1.0	6
14	Comment on "Correct Symmetry Treatment for X + X Reactions Prevents Large Errors in Predicted Isotope Enrichment― Journal of Physical Chemistry A, 2020, 124, 3300-3300.	1.1	0
15	The relativistic tunneling flight time may be superluminal, but it does not imply superluminal signaling. New Journal of Physics, 2020, 22, 093060.	1.2	23
16	Activated quantum diffusion in a periodic potential above the crossover temperature. Journal of Chemical Physics, 2019, 151, 024703.	1.2	6
17	Uncertainty relations for time-averaged weak values. Physical Review A, 2019, 99, .	1.0	3
18	A Tight Lower Bound to the Ground-State Energy. Journal of Chemical Theory and Computation, 2019, 15, 4079-4087.	2.3	9

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19	An Improved Lower Bound to the Ground-State Energy. Journal of Chemical Theory and Computation, 2019, 15, 1498-1502.	2.3	9
20	Quantum coherence in the reflection of above barrier wavepackets. Journal of Chemical Physics, 2018, 148, 074111.	1.2	9
21	Quantum threshold reflection is not a consequence of a region of the long-range attractive potential with rapidly varying de Broglie wavelength. Physical Review A, 2018, 97, .	1.0	13
22	Instantaneous Tunneling Flight Time for Wavepacket Transmission through Asymmetric Barriers. Journal of Physical Chemistry A, 2018, 122, 3563-3571.	1,1	12
23	Quantum reflection of rare-gas atoms and clusters from a grating. Physical Review A, 2018, 98, .	1.0	8
24	Stochastic Transition State Theory. Journal of Physical Chemistry Letters, 2018, 9, 6066-6071.	2.1	4
25	Determination of weak values of quantum operators using only strong measurements. Physical Review A, 2018, 98, .	1.0	29
26	Oscillations in the mean transition time of a particle scattered on a double slit potential. Journal of Chemical Physics, 2018, 149, 164114.	1.2	1
27	Time averaging of weak values—consequences for time-energy and coordinate-momentum uncertainty. New Journal of Physics, 2018, 20, 073016.	1.2	9
28	Computation of the <i>S</i> ₁ ↕ <i>S</i> ₀ Vibronic Absorption Spectrum of Formaldehyde by Variational Gaussian Wavepacket and Semiclassical IVR Methods. Journal of Chemical Theory and Computation, 2018, 14, 5310-5323.	2.3	28
29	Transition Path Time Distribution, Tunneling Times, Friction, and Uncertainty. Physical Review Letters, 2017, 118, 070401.	2.9	23
30	Quantum Tunneling: The Longer the Path, the Less Time it Takes. Journal of Physical Chemistry Letters, 2017, 8, 352-356.	2.1	13
31	Thermal quantum transition-path-time distributions, time averages, and quantum tunneling times. Physical Review A, 2017, 95, .	1.0	7
32	Tunneling Flight Time, Chemistry, and Special Relativity. Journal of Physical Chemistry Letters, 2017, 8, 4017-4022.	2.1	24
33	Scattering of He Atoms from a Microstructured Grating: Quantum Reflection Probabilities and Diffraction Patterns. Journal of Physical Chemistry Letters, 2017, 8, 1009-1013.	2.1	13
34	Kramers' theory for diffusion on a periodic potential. Faraday Discussions, 2016, 195, 111-138.	1.6	7
35	Transition path time distribution and the transition path free energy barrier. Physical Chemistry Chemical Physics, 2016, 18, 28872-28882.	1.3	49
36	Back-Influence of Molecular Motion on Energy Transfer in the Landau–Teller Model of Atom Molecule Scattering. Journal of Physical Chemistry A, 2016, 120, 5446-5456.	1.1	2

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37	Kramers' Turnover Theory: Improvement and Extension to Low Barriers. Journal of Physical Chemistry A, 2016, 120, 3155-3164.	1.1	18
38	Semiclassical initial value representation for the quantum propagator in the Heisenberg interaction representation. Journal of Chemical Physics, 2015, 143, 224114.	1.2	4
39	A study of Kramers' turnover theory in the presence of exponential memory friction. Journal of Chemical Physics, 2015, 143, 104104.	1.2	19
40	Second order classical perturbation theory for the sticking probability of heavy atoms scattered on surfaces. Journal of Chemical Physics, 2015, 143, 064706.	1.2	3
41	Quantum dynamical simulation of the scattering of Ar from a frozen LiF(100) surface based on a first principles interaction potential. Journal of Chemical Physics, 2015, 143, 014705.	1.2	2
42	Semiclassical multi-phonon theory for atom-surface scattering: Application to the Cu(111) system. Journal of Chemical Physics, 2015, 142, 174102.	1.2	6
43	Second-Order Semiclassical Perturbation Theory for Diffractive Scattering from a Surface. Journal of Physical Chemistry C, 2015, 119, 14532-14541.	1.5	13
44	Spin effects and the Pauli principle in semiclassical electron dynamics. Physical Review A, 2014, 89, .	1.0	9
45	Second order classical perturbation theory for atom surface scattering: Analysis of asymmetry in the angular distribution. Journal of Chemical Physics, 2014, 140, 024709.	1.2	8
46	Quantum Markovian master equation for scattering from surfaces. Journal of Chemical Physics, 2014, 140, 014104.	1.2	2
47	Finite barrier corrections to the PGH solution of Kramers' turnover theory. Journal of Chemical Physics, 2014, 140, .	1.2	18
48	Energy relaxation of a dissipative quantum oscillator. Journal of Chemical Physics, 2014, 141, 234509.	1.2	5
49	Improvements to Kramers turnover theory. Journal of Chemical Physics, 2013, 138, 164116.	1.2	18
50	Communication: Optical cooling of trans-stilbene. Journal of Chemical Physics, 2013, 139, 011101.	1.2	10
51	On-the-fly semiclassical study of internal conversion rates of formaldehyde. Journal of Chemical Physics, 2013, 139, 154311.	1.2	23
52	On the fly first principles study of the classical scattering of an Ar atom from the LiF(100) surface. Journal of Chemical Physics, 2013, 139, 044707.	1.2	6
53	Continuum limit frozen Gaussian approximation for the reduced thermal density matrix of dissipative systems. Journal of Chemical Physics, 2012, 136, 094101.	1.2	14
54	Semiclassical perturbation theory for diffraction in heavy atom surface scattering. Journal of Chemical Physics, 2012, 136, 204707.	1.2	6

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55	Communication: Semiclassical perturbation theory for the quantum diffractive scattering of atoms on thermal surfaces. Journal of Chemical Physics, 2012, 137, 201103.	1.2	11
56	Temperature dependence in atom–surface scattering. Journal of Physics Condensed Matter, 2012, 24, 104001.	0.7	5
57	Coherent control time-dependent methods for determining eigenvalues of Hermitian matrices with applications to electronic structure computations. Molecular Physics, 2012, 110, 861-873.	0.8	1
58	Quantum Variational Transition State Theory for Hydrogen Tunneling in Enzyme Catalysis. Journal of Physical Chemistry B, 2012, 116, 12966-12971.	1.2	12
59	First-order corrections to semiclassical Gaussian partition functions for clusters of atoms. Chemical Physics, 2012, 399, 135-141.	0.9	1
60	Classical theory of atom–surface scattering: The rainbow effect. Surface Science Reports, 2012, 67, 161-200.	3.8	43
61	Classical Stochastic Theory for the Sticking Probability of Atoms Scattered on Surfaces. Journal of Physical Chemistry A, 2011, 115, 7189-7198.	1.1	10
62	Semiclassical initial value representation study of internal conversion rates. Journal of Chemical Physics, 2011, 134, 234305.	1.2	11
63	Quantum and classical study of surface characterization by three-dimensional helium atom scattering. Journal of Chemical Physics, 2011, 134, 024319.	1.2	7
64	Communication: Heavy atom quantum diffraction by scattering from surfaces. Journal of Chemical Physics, 2011, 134, 011103.	1.2	11
65	Imaginary time Gaussian dynamics of the Ar3 cluster. Journal of Chemical Physics, 2011, 134, 044107.	1.2	10
66	Renormalization of the frozen Gaussian approximation to the quantum propagator. Journal of Chemical Physics, 2011, 134, 134104.	1.2	23
67	Three dimensional classical theory of rainbow scattering of atoms from surfaces. Chemical Physics, 2010, 375, 337-347.	0.9	11
68	Friction-Induced Energy-Loss Rainbows in Atom Surface Scattering. Physical Review Letters, 2010, 104, 116103.	2.9	18
69	Comparison between different Gaussian series representations of the imaginary time propagator. Physical Review E, 2010, 81, 036704.	0.8	19
70	Classical theory of rotational rainbow scattering from uncorrugated surfaces. Journal of Physics Condensed Matter, 2010, 22, 304004.	0.7	6
71	Determination of the Quantum Contribution to the Activated Motion of Hydrogen on a Metal Surface: H/Pt(111). Physical Review Letters, 2010, 105, 136101.	2.9	34
72	Rainbow scattering of argon from2H-W(100). Physical Review B, 2009, 80, .	1.1	12

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73	Semiclassical initial-value-representation study of helium scattering from Cu(110). Physical Review A, 2009, 79, .	1.0	10
74	Classical theory for asymmetric in-plane atom surface scattering. Physical Review B, 2009, 80, .	1.1	19
75	Frozen Gaussian series representation of the imaginary time propagator theory and numerical tests. Journal of Chemical Physics, 2009, 131, 044116.	1.2	9
76	Generalized Liouville time-dependent perturbation theory. Physical Review A, 2009, 80, .	1.0	5
77	Semiclassical on-the-fly computation of the S→S1 absorption spectrum of formaldehyde. Journal of Chemical Physics, 2009, 130, 041103.	1.2	67
78	Classical theory for the in-plane scattering of atoms from corrugated surfaces: Application to the Ar–Ag(111) system. Journal of Chemical Physics, 2009, 130, 194710.	1.2	31
79	Observations on Rate Theory for Rugged Energy Landscapes. Biophysical Journal, 2008, 95, 4258-4265.	0.2	12
80	Momentum and Velocity Autocorrelation Functions of a Diatomic Molecule Are Not Necessarily Proportional to Each Other. Journal of Physical Chemistry B, 2008, 112, 213-218.	1.2	10
81	Classical Wigner theory of gas surface scattering. Journal of Chemical Physics, 2008, 129, 054107.	1.2	22
82	Semiclassical initial value series representation in the continuum limit: Application to vibrational relaxation. Journal of Chemical Physics, 2008, 129, 064515.	1.2	22
83	Ab initiospectroscopy and photoinduced cooling of thetrans-stilbene molecule. Journal of Chemical Physics, 2008, 128, 164303.	1.2	75
84	Effects of initial correlations on the dynamics of dissipative systems. Physical Review E, 2008, 77, 021107.	0.8	25
85	Semiclassical initial value series solution of the spin boson problem. Journal of Chemical Physics, 2007, 126, 164108.	1.2	33
86	Continuum limit semiclassical initial value representation for dissipative systems. Journal of Chemical Physics, 2007, 127, 074505.	1.2	17
87	Dissipation can enhance quantum effects. Physical Review E, 2007, 75, 041103.	0.8	27
88	New coherent state representation for the imaginary time propagator with applications to forward-backward semiclassical initial value representations of correlation functions. Journal of Chemical Physics, 2007, 126, 164107.	1.2	30
89	Frozen Gaussian Wavepacket Study of the Ground State of the He Atom. Journal of Chemical Theory and Computation, 2007, 3, 344-349.	2.3	1
90	The Semiclassical Initial Value Series Representation of the Quantum Propagator. Springer Series in Chemical Physics, 2007, , 259-271.	0.2	15

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91	Theory of coherent thermal photoinduced electron transfer reactions in polyatomic molecules. Molecular Physics, 2006, 104, 11-21.	0.8	Ο
92	A new time evolving Gaussian series representation of the imaginary time propagator. Journal of Chemical Physics, 2006, 125, 133502.	1.2	37
93	Forward-backward semiclassical initial value series representation of quantum correlation functions. Journal of Chemical Physics, 2006, 125, 164104.	1.2	32
94	Hamiltonian theory of stochastic acceleration. Physical Review E, 2006, 73, 041105.	0.8	9
95	Continuum limit theory of absorption in the presence of dissipation. New Journal of Physics, 2005, 7, 22-22.	1.2	0
96	The dynamics of activated surface diffusion. Journal of Physics Condensed Matter, 2005, 17, S4133-S4150.	0.7	54
97	Hybrid Prefactor Semiclassical Initial Value Series Representation of the Quantum Propagator. Journal of Chemical Theory and Computation, 2005, 1, 345-352.	2.3	22
98	Variational Iterative Time Dependent Method for Eigenvalues and Eigenfunctions of the Hamiltonian. Journal of Chemical Theory and Computation, 2005, 1, 439-443.	2.3	7
99	Harmonic Theory of Thermal Two-Photon Absorption in Benzene. Journal of Physical Chemistry A, 2005, 109, 122-132.	1.1	10
100	Reaction rate theory: What it was, where is it today, and where is it going?. Chaos, 2005, 15, 026116.	1.0	273
101	A prefactor free semiclassical initial value series representation of the propagator. Journal of Chemical Physics, 2004, 121, 3384-3392.	1.2	57
102	Coherent Classical-Path Description of Deep Tunneling. Physical Review Letters, 2004, 93, 140401.	2.9	30
103	Low temperature extension of the generalized Zusman phase space equations for electron transfer. Journal of Chemical Physics, 2004, 120, 9630-9637.	1.2	11
104	Photoinduced Cooling of Polyatomic Molecules in an Electronically Excited State in the Presence of Dushinskii Rotationsâ€. Journal of Physical Chemistry A, 2004, 108, 7778-7784.	1.1	104
105	Hamiltonian theory for vibrational line shapes of atoms adsorbed on surfaces. Journal of Chemical Physics, 2004, 120, 10768-10779.	1.2	16
106	Thawed semiclassical IVR propagators. Journal of Physics A, 2004, 37, 9669-9676.	1.6	18
107	Quantum dynamics for dissipative systems: A numerical study of the Wigner–Fokker–Planck equation. Journal of Chemical Physics, 2003, 118, 4357-4364.	1.2	34
108	Systematic Improvement of Initial Value Representations of the Semiclassical Propagator. Journal of Physical Chemistry A, 2003, 107, 7112-7117.	1.1	51

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109	Quantum and classical aspects of activated surface diffusion. Journal of Chemical Physics, 2003, 119, 10941-10952.	1.2	19
110	Theory of electron transfer in the presence of dissipation. Journal of Chemical Physics, 2003, 119, 11864-11877.	1.2	24
111	Optimization of the semiclassical initial value representation of the exact quantum-mechanical real time propagator. Journal of Chemical Physics, 2003, 119, 11058-11063.	1.2	46
112	Monte Carlo Method for Evaluating the Quantum Real Time Propagator. Physical Review Letters, 2003, 91, 190201.	2.9	69
113	Kramers' turnover theory for diffusion of Na atoms on a Cu(001) surface measured by He scattering. Journal of Chemical Physics, 2003, 119, 2780-2791.	1.2	38
114	Numerical solution methods for quantum stochastic processes. , 2003, 5114, 136.		1
115	A study of the semiclassical initial value representation at short times. Journal of Chemical Physics, 2002, 116, 5925-5932.	1.2	55
116	Mixed quantum classical rate theory for dissipative systems. Journal of Chemical Physics, 2002, 116, 2718-2727.	1.2	22
117	Theory of fluorescence decay of naphthalene: Was photoinduced cooling observed experimentally?. Journal of Chemical Physics, 2002, 116, 6088-6101.	1.2	16
118	Reducing Gaussian noise using distributed approximating functionals. Computer Physics Communications, 2002, 147, 759-769.	3.0	17
119	Classical and Quantum Rate Theory for Condensed Phases. , 2002, , 1-46.		3
120	Theory and Control of Photo-excited Polyatomic Reactions. , 2002, , 95-103.		0
121	Control of thermal photoinduced electron transfer reactions in the activated and activationless regimes. Journal of Chemical Physics, 2001, 115, 1867-1874.	1.2	9
122	A mixed quantum classical rate theory for the collinear H+H2 reaction. Journal of Chemical Physics, 2001, 114, 9741-9746.	1.2	14
123	Theory of Cooling of Room Temperature Benzene upon Photo-Excitation to the S1 State. Journal of Physical Chemistry A, 2001, 105, 10961-10966.	1.1	21
124	Theory and Control of Thermal Photoinduced Electron Transfer Reactions in Polyatomic Moleculesâ€. Journal of Physical Chemistry B, 2001, 105, 6500-6506.	1.2	12
125	Comment on "Photoisomerization of trans-Stilbene in Moderately Compressed Gases:  Pressure Dependent Effective Barriers―(J. Phys. Chem. A 1999, 103, 10528Ⱂ10539). Journal of Physical Chemistry A, 2001, 105, 4379-4380.	1.1	4
126	Dual propagation inversion of truncated signals. Theoretical Chemistry Accounts, 2001, 105, 173-181.	0.5	2

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127	Quantum transition state theory for dissipative systems. Chemical Physics, 2001, 268, 295-313.	0.9	27
128	A note on quantum thermodynamic rate theories. Journal of Chemical Physics, 2001, 115, 6876-6880.	1.2	6
129	Kramers turnover theory for bridges. Annalen Der Physik, 2000, 9, 764-775.	0.9	4
130	An approximate short time Laplace transform inversion method. Journal of Chemical Physics, 2000, 113, 4533-4548.	1.2	4
131	Experimental evidence of laser cooling of room temperature trans-stilbene upon excitation to the S1 state. Journal of Chemical Physics, 2000, 112, 3938-3941.	1.2	13
132	Quantum Transition State Theory for the CollinearH+H2Reaction. Journal of Physical Chemistry A, 2000, 104, 1799-1803.	1.1	16
133	Theory and Control of Multiple Hopping in Activated Surface Diffusion. , 2000, , 75-84.		2
134	Numerical implementation of a mixed quantum classical rate theory. Journal of Chemical Physics, 1999, 111, 7244-7254.	1.2	17
135	Numerical inversion of the Laplace transform. Journal of Chemical Physics, 1999, 110, 11176-11186.	1.2	16
136	A test of quantum transition state theory for a system with two degrees of freedom. Journal of Chemical Physics, 1999, 110, 80-87.	1.2	17
137	Theory of laser cooling of polyatomic molecules in an electronically excited state. Journal of Chemical Physics, 1999, 110, 11890-11905.	1.2	37
138	Accurate computation of quantum densities of states and RRKM rate constants for large polyatomic molecules: The STAIR method. Journal of Chemical Physics, 1999, 110, 8246-8253.	1.2	26
139	Multiple hops in multidimensional activated surface diffusion. Surface Science, 1999, 421, 73-88.	0.8	56
140	Controlling activated surface diffusion by external fields. Surface Science, 1999, 437, 198-206.	0.8	28
141	Binary collision theory for thermal and nonisothermal relaxation and reaction of polyatomic molecules. Chemical Physics, 1998, 235, 131-146.	0.9	13
142	Giant enhancement of diffusion and particle selection in rocked periodic potentials. Europhysics Letters, 1998, 44, 416-422.	0.7	75
143	Quantum harmonic transition state theory—Application to isomerization of stilbene in liquid ethane. Journal of Chemical Physics, 1998, 108, 2756-2764.	1.2	7
144	A new quantum transition state theory. Journal of Chemical Physics, 1998, 108, 2733-2743.	1.2	148

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145	Quantum transition state theory: Perturbation expansion. Journal of Chemical Physics, 1998, 108, 9711-9725.	1.2	80
146	Semiclassical canonical rate theory. Physical Review E, 1998, 58, 5436-5448.	0.8	25
147	Isomerization of trans-stilbene: Theory for pressure dependence of the rate. Journal of Chemical Physics, 1998, 108, 9186-9187.	1.2	6
148	Unimolecular reactions in the gas and liquid phases: A possible resolution to the puzzles of the trans-stilbene isomerization. Journal of Chemical Physics, 1997, 107, 812-824.	1.2	44
149	Multidimensional generalization of the Pollak–Grabert–Häggi turnover theory for activated rate processes. Journal of Chemical Physics, 1997, 106, 7678-7699.	1.2	26
150	A theory for nonisothermal unimolecular reaction rates. Journal of Chemical Physics, 1997, 107, 3542-3549.	1.2	12
151	Isomerization of stilbene in the gas phase: Theoretical study of isotopic and clustering effects. Journal of Chemical Physics, 1997, 107, 10532-10538.	1.2	7
152	The symmetrized quantum thermal flux operator. Journal of Chemical Physics, 1997, 107, 64-69.	1.2	25
153	Quantum transition state theory for multidimensional dissipative systems. , 1997, , 116-126.		Ο
154	Long hops of an adatom on a surface. Surface Science, 1996, 355, L366-L370.	0.8	22
155	Microscopic and macroscopic estimates of friction: application to surface diffusion of copper. Surface Science, 1996, 365, 159-167.	0.8	7
156	Semiclassical Quantization of Nonseparable Systems without Periodic Orbits. Physical Review Letters, 1996, 77, 2662-2665.	2.9	6
157	Theoretical study of the transâ€stilbene isomerization reaction in ethane. Journal of Chemical Physics, 1996, 105, 4388-4390.	1.2	19
158	A numerical test of activated rate theories for cusped and smooth potentials. Journal of Chemical Physics, 1996, 104, 6547-6559.	1.2	22
159	The energy relaxation of a nonlinear oscillator coupled to a linear bath. Journal of Chemical Physics, 1996, 104, 1111-1119.	1.2	49
160	Variational transition state theory for electron transfer reactions in solution. Journal of Chemical Physics, 1996, 105, 9093-9103.	1.2	11
161	Stable periodic orbits of the highly excited nonrotating H3+ molecular ion. Chemical Physics Letters, 1995, 242, 54-61.	1.2	0
162	Transition-state recrossing dynamics in activated rate processes. Physical Review E, 1995, 51, 1868-1878.	0.8	27

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163	Variational transition state theory for curve crossing processes: A uniform rate expression. Journal of Chemical Physics, 1995, 103, 7912-7926.	1.2	34
164	Variational transition state theory: Application to a symmetric exchange reaction in water. Journal of Chemical Physics, 1995, 103, 8501-8512.	1.2	16
165	Activated surface diffusion: Are correlated hops the rule or the exception?. Journal of Chemical Physics, 1995, 102, 6908-6918.	1.2	36
166	Activated rate processes: The reactive flux method for oneâ€dimensional surface diffusion. Journal of Chemical Physics, 1995, 102, 4037-4055.	1.2	27
167	Quantum theory of activated rate processes: A maximum free energy approach. Journal of Chemical Physics, 1995, 103, 973-980.	1.2	21
168	Activated rate processes: Anharmonic corrections to the quantum rate. Journal of Chemical Physics, 1995, 103, 8910-8920.	1.2	17
169	Numerical methods for locating stable periodic orbits embedded in a largely chaotic system. Journal of Chemical Physics, 1994, 100, 5894-5904.	1.2	17
170	Activated rate processes: A relation between Hamiltonian and stochastic theories. Journal of Chemical Physics, 1994, 100, 334-339.	1.2	30
171	A theory for the activated barrier crossing rate constant in systems influenced by space and time dependent friction. Journal of Chemical Physics, 1994, 101, 7811-7822.	1.2	70
172	Relationship between variational transition state theory and the Rayleigh quotient method for activated rate processes. Physical Review E, 1994, 50, 2646-2653.	0.8	7
173	Variational transition state theory for multidimensional activated rate processes in the presence of anisotropic friction. Journal of Chemical Physics, 1994, 101, 4778-4789.	1.2	31
174	Optimized planar dividing surfaces for asymmetric activated-rate processes. Physical Review E, 1994, 49, 1216-1224.	0.8	12
175	Variational transition state theory for the Clâ^'+CH3Cl SN2 exchange reaction in water. Journal of Chemical Physics, 1994, 101, 7174-7176.	1.2	17
176	Semiclassical theory of activated diffusion. Physical Review E, 1994, 49, 5098-5102.	0.8	55
177	Activated rate processes: a multidimensional Kramers turnover theory. Chemical Physics, 1994, 180, 191-197.	0.9	19
178	Yang-Mills classical mechanics revisited. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 327, 67-69.	1.5	6
179	Suppression of Activated Rate Processes Induced by Space Dependent, Time Dependent and Anisotropic Friction. Jerusalem Symposia on Quantum Chemistry and Biochemistry, 1994, , 311-329.	0.2	0
180	A theory for the thermally activated rate constant in systems with spatially dependent friction. Chemical Physics Letters, 1993, 207, 309-316.	1.2	27

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181	Quantum variational transition state theory revisited. Chemical Physics, 1993, 170, 265-273.	0.9	23
182	Fokker–Planck equation for nonlinear stochastic dynamics in the presence of space and time dependent friction. Journal of Chemical Physics, 1993, 99, 1344-1346.	1.2	41
183	Memory and temperature induced suppression of activated rate processes. Journal of Chemical Physics, 1993, 98, 9532-9543.	1.2	39
184	Activated rate processes: Finite-barrier expansion for the rate in the spatial-diffusion limit. Physical Review E, 1993, 47, 922-933.	0.8	63
185	Theory of correlated hops in surface diffusion. Physical Review Letters, 1993, 70, 3299-3302.	2.9	68
186	Numerical test of finite-barrier corrections for the hopping rate in a periodic potential. Physical Review E, 1993, 47, R21-R23.	0.8	26
187	Variational Transition State Theory for Dissipative Systems. , 1993, , 5-41.		9
188	Canonical variational transition state theory for dissipative systems: Application to generalized Langevin equations. Journal of Chemical Physics, 1992, 96, 8877-8888.	1.2	31
189	Classical Dynamics Methods for High Energy Vibrational Spectroscopy. Annual Review of Physical Chemistry, 1992, 43, 91-126.	4.8	83
190	Activated rate processes: Generalization of the Kramers–Grote–Hynes and Langer theories. Journal of Chemical Physics, 1992, 97, 2422-2437.	1.2	99
191	Microcanonical variational transition-state theory for reaction rates in dissipative systems. Journal of Statistical Physics, 1992, 66, 975-990.	0.5	17
192	A numerical method for locating stable periodic orbits in chaotic systems. Physica D: Nonlinear Phenomena, 1992, 56, 368-380.	1.3	15
193	Variational transition-state theory for a dissipative cubic oscillator. The Journal of Physical Chemistry, 1991, 95, 10235-10240.	2.9	19
194	Variational transition state theory for reactions in condensed phases. Journal of Chemical Physics, 1991, 95, 533-539.	1.2	60
195	Comparison of rate theories for generalized Langevin dynamics. Journal of Chemical Physics, 1991, 95, 5809-5826.	1.2	61
196	VARIATIONAL TRANSITION STATE THEORY FOR ACTIVATED RATE PROCESSES IN DISSIPATIVE SYSTEMS. Modern Physics Letters B, 1991, 05, 13-20.	1.0	8
197	Anomalous crossover behaviour for dissipative tunnelling. Physica B: Condensed Matter, 1990, 165-166, 957-958.	1.3	0
198	Spectroscopy and dynamics of the highly excited nonrotating threeâ€dimensional H+3 molecular ion. Journal of Chemical Physics, 1990, 92, 3377-3386.	1.2	20

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199	Numerical study of tunneling in a dissipative system. Physical Review B, 1990, 41, 2210-2220.	1.1	16
200	Variational transition-state theory for reaction rates in dissipative systems. Physical Review Letters, 1990, 65, 1399-1402.	2.9	69
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