Stuart A Rice

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8202339/publications.pdf

Version: 2024-02-01

1,037 papers	55,833 citations	3264 94 h-index	8627 151 g-index
1585 all docs	1585 docs citations	1585 times ranked	25383 citing authors

#	Article	IF	Citations
1	Understanding and design of non-conservative optical matter systems using Markov state models. Molecular Systems Design and Engineering, 2022, 7, 1228-1238.	1.7	3
2	Free Thiols Regulate the Interactions and Self-Assembly of Thiol-Passivated Metal Nanoparticles. Nano Letters, 2021, 21, 1613-1619.	4.5	8
3	Data-driven reaction coordinate discovery in overdamped and non-conservative systems: application to optical matter structural isomerization. Nature Communications, 2021, 12, 2548.	5.8	3
4	Monitoring local order in the liquid-X interface. Molecular Physics, 2021, 119, e1875076.	0.8	1
5	Interaction between dilute water vapor and dodecane thiol ligated Au nanoparticles: Hydrated structure and pair potential of mean force. Journal of Chemical Physics, 2021, 155, 144902.	1.2	1
6	Optical matter machines: angular momentum conversion by collective modes in optically bound nanoparticle arrays. Optica, 2020, 7, 1341.	4.8	28
7	Pair and many-body interactions between ligated Au nanoparticles. Journal of Chemical Physics, 2019, 150, 044904.	1.2	17
8	Sequential phase transitions and transient structured fluctuations in two-dimensional systems with a high-density Kagome lattice phase. Journal of Chemical Physics, 2019, 151, 244504.	1.2	10
9	The influence of fractional surface coverage on the coreâ€“core separation in ordered monolayers of thiol-ligated Au nanoparticles. Soft Matter, 2019, 15, 8800-8807.	1.2	10
10	Controlling the Dynamics and Optical Binding of Nanoparticle Homodimers with Transverse Phase Gradients. Nano Letters, 2019, 19, 897-903.	4.5	25
11	Direct Visualization of Barrier Crossing Dynamics in a Driven Optical Matter System. ACS Nano, 2018, 12, 5168-5175.	7.3	11
12	Reactive optical matter: light-induced motility in electrodynamically asymmetric nanoscale scatterers. Light: Science and Applications, 2018, 7, 105.	7.7	26
13	A comment on the position dependent diffusion coefficient representation of structural heterogeneity. Journal of Chemical Physics, 2018, 148, 194901.	1.2	9
14	Transient structured fluctuations in a two-dimensional system with multiple ordered phases. Journal of Chemical Physics, 2018, 149, 034503.	1.2	14
15	Driven optical matter: Dynamics of electrodynamically coupled nanoparticles in an optical ring vortex. Physical Review E, 2017, 95, 022604.	0.8	47
16	The role of ligands in the mechanical properties of Langmuir nanoparticle films. Soft Matter, 2017, 13, 3125-3133.	1.2	20
17	Colloid-colloid hydrodynamic interaction around a bend in a quasi-one-dimensional channel. Physical Review E, 2017, 96, 012606.	0.8	0
18	Toward Coherent Control Around the Quantum-Classical Boundary. Advances in Chemical Physics, 2016, , 283-312.	0.3	0

#	Article	IF	Citations
19	Piecewise Adiabatic Passage in Polarization Optics: an Achromatic Polarization Rotator. Advances in Chemical Physics, 2016, , 219-234.	0.3	1
20	Analytic solution of the Ornstein-Zernike relation for inhomogeneous liquids. Journal of Chemical Physics, 2016, 145, 234508.	1.2	5
21	Dynamics of Photochemical Reactions of Organic Carbonyls and their Clusters. Advances in Chemical Physics, 2016, , 1-22.	0.3	0
22	Controlling Quantum Dynamics with Assisted Adiabatic Processes. Advances in Chemical Physics, 2016, , 51-136.	0.3	5
23	Quantum Dynamics by Partitioning Technique. Advances in Chemical Physics, 2016, , 349-394.	0.3	0
24	A model study of assisted adiabatic transfer of population in the presence of collisional dephasing. Journal of Chemical Physics, 2015, 142, 244303.	1.2	12
25	Fast-Forward Assisted STIRAP. Journal of Physical Chemistry A, 2015, 119, 3479-3487.	1.1	61
26	Selective Vibrational Population Transfer using Combined Stimulated Raman Adiabatic Passage and Counter-Diabatic Fields. Journal of Physical Chemistry C, 2015, 119, 14513-14523.	1.5	21
27	Rapid coherent control of population transfer in lattice systems. Physical Review A, 2014, 89, .	1.0	24
28	Divergence of the long-wavelength collective diffusion coefficient in quasi-one- and quasi-two-dimensional colloidal suspensions. Physical Review E, 2014, 89, 022303.	0.8	18
29	Modeling Viral Capsid Assembly. Advances in Chemical Physics, 2014, 155, 1-68.	0.3	120
30	Local Fluctuations in Solution: Theory and Applications. Advances in Chemical Physics, 2013, 153, 311-372.	0.3	18
31	Paul Mead Doty (1920â€“2011). Nature, 2012, 481, 266-266.	13.7	1
32	Long-range hydrodynamic correlations in quasi-one-dimensional circular and straight geometries. Physical Review E, 2012, 86, 041402.	0.8	5
33	Efficient and Unbiased Sampling of Biomolecular Systems in the Canonical Ensemble: A Review of Selfâ€Guided Langevin Dynamics. Advances in Chemical Physics, 2012, 150, 255-326.	0.3	32
34	Control of Dynamical Processes in Solution: An Overview and Personal Perspective. Israel Journal of Chemistry, 2012, 52, 384-396.	1.0	0
35	Density Distribution in the Liquid Hgâ^'Sapphire Interface. Journal of Physical Chemistry A, 2011, 115, 3859-3866.	1.1	5
36	Maximally random jamming of one-component and binary hard-disk fluids in two dimensions. Physical Review E, 2011, 83, 021120.	0.8	17

#	Article	IF	Citations
37	Single-particle diffusion in dense inhomogeneous colloid suspensions in ribbon channels. Physical Review E, 2011, 84, 041403.	0.8	7
38	Hydrodynamic interactions in ribbon channels: From quasi-one-dimensional to quasi-two-dimensional behavior. Physical Review E, 2010, 82, 031403.	0.8	6
39	Spreading of colloid clusters in a quasi-one-dimensional channel. Journal of Chemical Physics, 2010, 132, 084902.	1.2	11
40	Structure of quasi-one-dimensional ribbon colloid suspensions. Physical Review E, 2009, 79, 031406.	0.8	16
41	Structure in confined colloid suspensions. Chemical Physics Letters, 2009, 479, 1-13.	1.2	48
42	Transient ordering in a quasi-two-dimensional liquid near freezing. Journal of Chemical Physics, 2008, 128, 244517.	1.2	15
43	A Conjecture Concerning the Symmetries of Planar Nets and the Hard disk Freezing Transition. Journal of Physical Chemistry B, 2008, 112, 16059-16069.	1.2	13
44	A Fortunate Life in Physical Chemistry. Annual Review of Physical Chemistry, 2008, 59, 1-26.	4.8	1
45	A density functional theory of one- and two-layer freezing in a confined colloid system. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2008, 464, 65-81.	1.0	9
46	On the consistency, extremal, and global properties of counterdiabatic fields. Journal of Chemical Physics, 2008, 129, 154111.	1.2	197
47	Chemical Physics of the Electrode-Electrolyte Interface. Advances in Chemical Physics, 2007, , 337-387.	0.3	2
48	Jahn-Teller Trajectories. Advances in Chemical Physics, 2007, , 247-309.	0.3	6
49	Stress and Structure in Fluid Interfaces. Advances in Chemical Physics, 2007, , 357-454.	0.3	194
50	Vibrational Energy Flow: A State Space Approach. Advances in Chemical Physics, 2007, , 193-261.	0.3	66
51	Optimization and Characterization of a Multiconfigurational Self-Consistent Field (MCSCF) State. Advances in Chemical Physics, 2007, , 1-176.	0.3	108
52	Electron Degradation in Molecular Substances. Advances in Chemical Physics, 2007, , 193-291.	0.3	16
53	Order Parameter Variation in Smectic Liquid Crystals. Advances in Chemical Physics, 2007, , 317-339.	0.3	1
54	Nonlinear Dielectric and KERR Effect Relaxation in Alternating Fields. Advances in Chemical Physics, 2007, , 241-380.	0.3	2

#	Article	IF	Citations
55	Molecule-Surface Scattering and Reaction Dynamics. Advances in Chemical Physics, 2007, , 163-253.	0.3	40
56	The Reaction F + H2â†' Hf + H. Advances in Chemical Physics, 2007, , 229-268.	0.3	35
57	State-Selected and State-to-State Ion-Molecular Reaction Dynamics by Photoionization and Differential Reactivity Methods. Advances in Chemical Physics, 2007, , 401-500.	0.3	39
58	A Kinetic Approach to Homogeneous Nucleation Theory. Advances in Chemical Physics, 2007, , 137-155.	0.3	71
59	Simulating Molecular Properties of Liquid Crystals. Advances in Chemical Physics, 2007, , 39-113.	0.3	16
60	Reactive Canonical Monte Carlo. Advances in Chemical Physics, 2007, , 461-481.	0.3	16
61	Reduced Dimensionality Theories of Quantum Reactive Scattering. Advances in Chemical Physics, 2007, , 115-167.	0.3	93
62	Energy Landscapes: From Clusters to Biomolecules. Advances in Chemical Physics, 2007, , 1-111.	0.3	153
63	Generalized Langevin Equations and Many-Body Problems in Chemical Dynamics. Advances in Chemical Physics, 2007, , 143-253.	0.3	121
64	The Nature and Structural Properties of Graphite Intercalation Compounds. Advances in Chemical Physics, 2007, , 455-532.	0.3	173
65	A Review of Quantum-Mechanical Approximate Treatments of Three-Body Reactive Systems. Advances in Chemical Physics, 2007, , 191-309.	0.3	72
66	Angle-Resolved Photoemission as a Tool for the Study of Surfaces. Advances in Chemical Physics, 2007, , 533-656.	0.3	488
67	Structure, Dynamics, and Dissipation in Hard-Core Molecular Liquids. Advances in Chemical Physics, 2007, , 311-439.	0.3	19
68	Semigrand Canonical Monte Carlo Simulation; Integration Along Coexistence Lines. Advances in Chemical Physics, 2007, , 405-441.	0.3	39
69	Activated Rate Processes in Condensed Phases: the Kramers Theory Revisited. Advances in Chemical Physics, 2007, , 489-555.	0.3	70
70	Intermolecular and Intramolecular Potentials: Topographical Aspects, Calculation, and Functional Representation via A Double Many-Body Expansion Method. Advances in Chemical Physics, 2007, , 255-338.	0.3	160
71	The Electrodynamics of Atoms and Molecules. Advances in Chemical Physics, 2007, , 153-233.	0.3	56
72	Molecular Engineering for Ferroelectricity in Liquid Crystals. Advances in Chemical Physics, 2007, , 1-49.	0.3	5

#	Article	IF	Citations
73	Mechanistic Classification of Chemical Oscillators and the Role of Species. Advances in Chemical Physics, 2007, , 127-199.	0.3	46
74	Structure, Mobility, and Piezoelectricity in Ferroelectric Liquid Crystalline Elastomers. Advances in Chemical Physics, 2007, , 183-201.	0.3	2
75	Rotational Diffusion and Dielectric Relaxation in Nematic Liquid Crystals. Advances in Chemical Physics, 2007, , 487-551.	0.3	21
76	Nucleation of Crystals From the Melt. Advances in Chemical Physics, 2007, , 263-296.	0.3	33
77	Unified Theory of Photochemical Charge Separation. Advances in Chemical Physics, 2007, , 419-587.	0.3	58
78	The Structure and Properties of Antiferroelectric Liquid Crystals. Advances in Chemical Physics, 2007, , 271-316.	0.3	3
79	Chemical Instabilities. Advances in Chemical Physics, 2007, , 217-268.	0.3	20
80	Microscopic Simulations of Complex Flows. Advances in Chemical Physics, 2007, , 317-392.	0.3	12
81	Time Asymmetry in Nonequilibrium Statistical Mechanics. Advances in Chemical Physics, 2007, , 83-133.	0.3	8
82	The Fundamentals of Spontaneous Ignition of Gaseous Hydrocarbons and Related Organic Compounds. Advances in Chemical Physics, 2007, , 203-304.	0.3	9
83	Recent Progress in the Statistical Mechanical Mechanics of Interaction Site Fluids. Advances in Chemical Physics, 2007, , 451-550.	0.3	55
84	Time-Dependent Semiclassical Mechanics. Advances in Chemical Physics, 2007, , 191-304.	0.3	48
85	Simulated Annealing-Optimal Histogram Methods. Advances in Chemical Physics, 2007, , 311-336.	0.3	7
86	Macrostate Dissection of Thermodynamic Monte Carlo Integrals. Advances in Chemical Physics, 2007, , 273-310.	0.3	3
87	Recent Developments in the Study of Monolayers at the Air-Water Interface. Advances in Chemical Physics, 2007, , 397-449.	0.3	89
88	Ferroelectric Lc-Elastomers. Advances in Chemical Physics, 2007, , 159-182.	0.3	2
89	The Expansion of the Master Equation. Advances in Chemical Physics, 2007, , 245-309.	0.3	143
90	Thermodynamic-Scaling Methods in Monte Carlo and their Application to Phase Equilibria. Advances in Chemical Physics, 2007, , 369-404.	0.3	11

#	Article	IF	Citations
91	An Introduction to the Monte Carlo Method for Particle Simulations. Advances in Chemical Physics, 2007, , 1-12.	0.3	7
92	A Consistent Molecular Treatment of Dielectric Phenomena. Advances in Chemical Physics, 2007, , 467-566.	0.3	228
93	Classical-Limit Quantum Mechanics and the Theory of Molecular Collisions. Advances in Chemical Physics, 2007, , 69-177.	0.3	632
94	Orientational Effects in Ferroelectric and Antiferroelectric Liquid Crystals using Infrared Spectroscopy. Advances in Chemical Physics, 2007, , 203-269.	0.3	10
95	On the Theory of Debye and NÃ©el Relaxation of Single Domain Ferromagnetic Particles. Advances in Chemical Physics, 2007, , 263-464.	0.3	67
96	A Review of Foam Drainage. Advances in Chemical Physics, 2007, , 315-374.	0.3	56
97	Tethered Polymer Layers. Advances in Chemical Physics, 2007, , 165-260.	0.3	133
98	Applications of Continuously Operating, Synchronously Mode-Locked Lasers. Advances in Chemical Physics, 2007, , 1-45.	0.3	11
99	Pyroelectric Studies of Polar and Ferroelectric Mesophases. Advances in Chemical Physics, 2007, , 77-158.	0.3	2
100	One-Dimensional Ising Model for Spin Systems of Finite Size. Advances in Chemical Physics, 2007, , 337-356.	0.3	1
101	The Forward Trip: From The Hamiltonian to The Vibration-Rotation Spectrum. Advances in Chemical Physics, 2007, , 4-95.	0.3	0
102	Supercooled Liquids. Advances in Chemical Physics, 2007, , 89-158.	0.3	27
103	Dynamics of Crystal Growth. Advances in Chemical Physics, 2007, , 157-228.	0.3	401
104	Random Number Generators for Parallel Applications. Advances in Chemical Physics, 2007, , 13-36.	0.3	17
105	Theory of Inhomogeneous Electron Systems: Spin-Density-Functional Formalism. Advances in Chemical Physics, 2007, , 59-193.	0.3	118
106	The Molecular Quasi-Species. Advances in Chemical Physics, 2007, , 149-263.	0.3	357
107	The Internal Field Problem in Depolarized Light Scattering. Advances in Chemical Physics, 2007, , 411-465.	0.3	31
108	The Statistical Mechanics of the Electrical Double Layer. Advances in Chemical Physics, 2007, , 141-253.	0.3	225

#	Article	IF	Citations
109	Hydrodynamic description of the long-time tails of the linear and rotational velocity autocorrelation functions of a particle in a confined geometry. Physical Review E, 2007, 76, 061404.	0.8	13
110	Generator Coordinate Theory of Nuclear Motion in Molecules. Advances in Chemical Physics, 2007, , 115-189.	0.3	37
111	The Liouville Space Extension of Quantum Mechanics. Advances in Chemical Physics, 2007, , 1-120.	0.3	42
112	Electron Transfer-from Isolated Molecules to Biomolecules. Advances in Chemical Physics, 2007, , 35-202.	0.3	338
113	Coherent Pulse Sequence Control of Product Formation in Chemical Reactions. Advances in Chemical Physics, 2007, , 441-523.	0.3	181
114	Pattern Formation in Reacting and Diffusing Systems. Advances in Chemical Physics, 2007, , 263-315.	0.3	15
115	Functional Integrals and Polymer Statistics. Advances in Chemical Physics, 2007, , 1-128.	0.3	228
116	The Decoupling of Electronic and Nuclear Motions in the Isolated Molecule SchrÃ¶dinger Hamiltonian. Advances in Chemical Physics, 2007, , 1-121.	0.3	17
117	Quantum Monte Carlo Methods in Chemistry. Advances in Chemical Physics, 2007, , 1-38.	0.3	57
118	Structure and Orientation of Molecules in Discotic Liquid Crystals Using Infrared Spectroscopy. Advances in Chemical Physics, 2007, , 341-486.	0.3	4
119	Nonequilibrium Thermodynamics and Statistical Physics of Surfaces. Advances in Chemical Physics, 2007, , 47-109.	0.3	69
120	Large Electroclinic Effect and Associated Properties of Chiral Smectic a Liquid Crystals. Advances in Chemical Physics, 2007, , 51-76.	0.3	6
121	Tight-Binding Molecular Dynamics Studies of Covalent Systems. Advances in Chemical Physics, 2007, , 651-702.	0.3	18
122	Theory of Electron States in Liquid Metals. Advances in Chemical Physics, 2007, , 263-327.	0.3	24
123	Spectroscopy and Photodynamics of Relatively Large Molecules. Advances in Chemical Physics, 2007, , 133-164.	0.3	16
124	Photodissociation of Diatomic Molecules to Open Shell Atoms. Advances in Chemical Physics, 2007, , 1-113.	0.3	53
125	Kinetic Theory of Gravitational Systems. Advances in Chemical Physics, 2007, , 119-195.	0.3	12
126	Some Modern Aspects of Exciton Theory. Advances in Chemical Physics, 2007, , 227-341.	0.3	55

#	Article	IF	Citations
127	The Role of the Stokes Phenomenon in Nonadiabatic Transitions. Advances in Chemical Physics, 2007, , 217-257.	0.3	5
128	On the Theory of the Complex, Frequency-Dependent Susceptibility of Magnetic Fluids. Advances in Chemical Physics, 2007, , 1-37.	0.3	10
129	Theory of Dynamical Properties of Dielectric Surfaces. Advances in Chemical Physics, 2007, , 355-541.	0.3	82
130	Formulation of Oscillatory Reaction Mechanisms by Deduction from Experiments. Advances in Chemical Physics, 2007, , 327-388.	0.3	8
131	N -Representability. Advances in Chemical Physics, 2007, , 1-9.	0.3	2
132	Natural Orbital Functional Theory. Advances in Chemical Physics, 2007, , 385-427.	0.3	19
133	The Kinetic Theory of Dense Polyatomic Fluids. Advances in Chemical Physics, 2007, , 155-229.	0.3	23
134	Solvation Effects in Four-Wave Mixing and Spontaneous Raman and Fluorescence Lineshapes of Polyatomic Molecules. Advances in Chemical Physics, 2007, , 165-230.	0.3	66
135	Differential Recurrence Relations for Non-Axially Symmetric Rotational Fokker-Planck Equations. Advances in Chemical Physics, 2007, , 475-641.	0.3	39
136	Synergistic Effects in Two-Photon Absorption: the Quantum Electrodynamics of Bimolecular Mean-Frequency Absorption. Advances in Chemical Physics, 2007, , 39-102.	0.3	10
137	Vibrational Relaxation in Condensed Phases. Advances in Chemical Physics, 2007, , 297-355.	0.3	66
138	Complex Systems: Equilibrium Configurations ofNEqual Charges on a Sphere (2 â‰Nâ‰¥ 112). Advances in Chemical Physics, 2007, , 495-594.	0.3	35
139	Chemical Reactions and Reaction Efficiency in Compartmentalized Systems. Advances in Chemical Physics, 2007, , 245-406.	0.3	26
140	Application of Diagrammatic Quasidegenerate Rspt in Quantum Molecular Physics. Advances in Chemical Physics, 2007, , 345-412.	0.3	67
141	New Experimental Studies of the Structure of Fluids. Advances in Chemical Physics, 2007, , 1-60.	0.3	46
142	Algebraic Models in Molecular Spectroscopy. Advances in Chemical Physics, 2007, , 455-649.	0.3	59
143	Contracted SchrÃ¶dinger Equation. Advances in Chemical Physics, 2007, , 165-203.	0.3	6
144	Femtosecond Coherent Spectroscopy. Advances in Chemical Physics, 2007, , 1-35.	0.3	31

#	Article	IF	Citations
145	Electron-Transfer Tubes. Advances in Chemical Physics, 2007, , 497-553.	0.3	34
146	Sources of Error and Expected Accuracy in Ab Initio One-Electron Operator Properties: The Molecular Dipole Moment. Advances in Chemical Physics, 2007, , 179-209.	0.3	49
147	Scattering Theory in Superspace. Advances in Chemical Physics, 2007, , 223-299.	0.3	32
148	Melting and Liquid Structure in two Dimensions. Advances in Chemical Physics, 2007, , 543-709.	0.3	59
149	Spectral Line Shapes in Gases in the Binary-Collision Approximation. Advances in Chemical Physics, 2007, , 235-293.	0.3	155
150	State Selected Charge Transfer and Chemical Reactions by the Tesico Technique. Advances in Chemical Physics, 2007, , 263-307.	0.3	16
151	Multicoincidence Detection in Beam Studies of Ion-Molecule Reactions: Technique and Application to X-+ h2Reactions. Advances in Chemical Physics, 2007, , 309-399.	0.3	8
152	Can We Observe Microscopic Chaos in the Laboratory?. Advances in Chemical Physics, 2007, , 369-392.	0.3	4
153	Living Polymers. Advances in Chemical Physics, 2007, , 261-296.	0.3	18
154	Theories of Chemically Induced Electron Spin Polarization. Advances in Chemical Physics, 2007, , 1-29.	0.3	13
155	Ternary Systems Containing Surfactants. Advances in Chemical Physics, 2007, , 159-238.	0.3	4
156	Crossed-Molecular Beam Studies of State-to-State Reaction Dynamics. Advances in Chemical Physics, 2007, , 501-552.	0.3	6
157	Chaos in Dissipative Systems: Understanding Atmospheric Physics. Advances in Chemical Physics, 2007, , 511-570.	0.3	0
158	Unstable Systems in Generalized Quantum Theory. Advances in Chemical Physics, 2007, , 121-210.	0.3	4
159	Quadratic Transport and Soluble Boltzmann Equations. Advances in Chemical Physics, 2007, , 1-139.	0.3	7
160	The Newtonian Viscosity of a Moderately Dense Suspension. Advances in Chemical Physics, 2007, , 193-313.	0.3	9
161	Acid-Base Proton Transfer and Ion Pair Formation in Solution. Advances in Chemical Physics, 2007, , 381-430.	0.3	33
162	Control of Transition-Metal Cation Reactivity by Electronic State Selection. Advances in Chemical Physics, 2007, , 213-262.	0.3	20

#	Article	IF	Citations
163	Short-Time Fluorescence Stokes Shift Dynamics. Advances in Chemical Physics, 2007, , 171-228.	0.3	28
164	Moment Free Energies for Polydisperse Systems. Advances in Chemical Physics, 2007, , 265-336.	0.3	46
165	Vibronic Interactions in Polynuclear Mixed-Valence Clusters. Advances in Chemical Physics, 2007, , 703-782.	0.3	34
166	Instability and Far-From-Equilibrium States of Chemically Reacting Systems. Advances in Chemical Physics, 2007, , 317-361.	0.3	13
167	Chain Configurations and Dynamics in the Gaussian Approximation. Advances in Chemical Physics, 2007, , 265-348.	0.3	41
168	Copper Proteins as Model Systems for Investigating Intramolecular Electron Transfer Processes. Advances in Chemical Physics, 2007, , 555-589.	0.3	10
169	Applying Marcus's Theory to Electron Transfer in Vivo. Advances in Chemical Physics, 2007, , 591-600.	0.3	2
170	Solvent-Fluctuation Control of Solution Reactions and its Manifestation in Protein Functions. Advances in Chemical Physics, 2007, , 601-646.	0.3	11
171	Multiphoton Ionization State Selection: Vibrational-Mode and Rotational-State Control. Advances in Chemical Physics, 2007, , 177-212.	0.3	47
172	Some Applications of Fractional Calculus to Polymer Science. Advances in Chemical Physics, 2007, , 121-191.	0.3	15
173	Simulation of Nonlinear Electronic Spectroscopy in the Condensed Phase. Advances in Chemical Physics, 2007, , 435-516.	0.3	45
174	Lattice Cluster Theory of Multicomponent Polymer Systems: Chain Semiflexibility and Specific Interactions. Advances in Chemical Physics, 2007, , 335-390.	0.3	59
175	Entanglement, Electron Correlation, and Density Matrices. Advances in Chemical Physics, 2007, , 493-535.	0.3	35
176	Time-Resolved Optical Tests for Electronic Geometric Phase Development. Advances in Chemical Physics, 2007, , 1-42.	0.3	14
177	Purification of Correlated Reduced Density Matrices: Review and Applications. Advances in Chemical Physics, 2007, , 205-259.	0.3	4
178	Ab Initio Calculations on Small Molecules. Advances in Chemical Physics, 2007, , 161-188.	0.3	6
179	Time-Dependent Perturbation of a Two-State Quantum System by a Sinusoidal Field. Advances in Chemical Physics, 2007, , 265-350.	0.3	53
180	Picosecond Time-Resolved Dynamics of Vibrational-Energy Redistribution and Coherence in Beam-Isolated Molecules. Advances in Chemical Physics, 2007, , 265-364.	0.3	84

#	Article	IF	Citations
181	Anomalous Stochastic Processes in the Fractional Dynamics Framework: Fokker-Planck Equation, Dispersive Transport, and Non-Exponential Relaxation. Advances in Chemical Physics, 2007, , 223-264.	0.3	43
182	Nonradiative Processes in Small Molecules in Low-Temperature Solids. Advances in Chemical Physics, 2007, , 269-320.	0.3	47
183	High-Resolution Helium Atom Scattering as a Probe of Surface Vibrations. Advances in Chemical Physics, 2007, , 129-212.	0.3	2
184	Equilibrium Denaturation of Natural and of Periodic Synthetic DNA Molecules. Advances in Chemical Physics, 2007, , 129-203.	0.3	33
185	Picosecond Spectroscopy and Molecular Relaxation. Advances in Chemical Physics, 2007, , 189-225.	0.3	10
186	Theoretical Concepts in Molecular Photodissociation Dynamics. Advances in Chemical Physics, 2007, , 433-509.	0.3	21
187	Phase Space Approach to Dissipative Molecular Dynamics. Advances in Chemical Physics, 2007, , 219-398.	0.3	12
188	Lineshape in EELS of Simple Disordered Systems. Advances in Chemical Physics, 2007, , 113-148.	0.3	1
189	Radiative and Nonradiative Processes in Benzene. Advances in Chemical Physics, 2007, , 365-421.	0.3	119
190	Variational Two-Electron Reduced-Density-Matrix Theory. Advances in Chemical Physics, 2007, , 19-59.	0.3	13
191	Self-Reproduction of Micelles and Vesicles: Models for the Mechanisms of Life from the Perspective of Compartmented Chemistry. Advances in Chemical Physics, 2007, , 425-438.	0.3	10
192	On the Theory of Optical Absorption Profiles in Condensed Systems. Advances in Chemical Physics, 2007, , 229-274.	0.3	3
193	Collision-Induced Intramolecular Energy Transfer in Electronically Excited Polyatomic Molecules. Advances in Chemical Physics, 2007, , 237-289.	0.3	19
194	Spatial Patterns and Spatiotemporal Dynamics in Chemical Systems. Advances in Chemical Physics, 2007, , 435-513.	0.3	60
195	Kinetic Theory and Rheology of Macromolecular Solutions. Advances in Chemical Physics, 2007, , 31-117.	0.3	56
196	Approximate Molecular Orbital Theories. Advances in Chemical Physics, 2007, , 249-312.	0.3	17
197	Interaction of Charged Particles with Molecular Medium and Track Effects in Radiation Chemistry. Advances in Chemical Physics, 2007, , 255-386.	0.3	33
198	Some Structural-Electronic Aspects of High Temperature Superconductors. Advances in Chemical Physics, 2007, , 207-261.	0.3	0

#	Article	IF	Citations
199	Monte Carlo Methods for Real-Time Path Integration. Advances in Chemical Physics, 2007, , 39-76.	0.3	39
200	Self-Consistent-Field Methods for Vibrational Excitations in Polyatomic Systems. Advances in Chemical Physics, 2007, , 97-132.	0.3	189
201	Solid-Fluid Equilibrium: Insights from Simple Molecular Models. Advances in Chemical Physics, 2007, , 113-179.	0.3	73
202	Generalized Normal Ordering, Irreducible Brillouin Conditions, and Contracted SchrÃ¶dinger Equations. Advances in Chemical Physics, 2007, , 293-330.	0.3	6
203	Transport and Relaxation Phenomena in Porous Media. Advances in Chemical Physics, 2007, , 299-424.	0.3	73
204	Mode Coupling Theory Approach to the Liquid-State Dynamics. Advances in Chemical Physics, 2007, , 67-221.	0.3	62
205	Structures, Spectroscopies, and Reactions of Atomic Ions with Water Clusters. Advances in Chemical Physics, 2007, , 431-523.	0.3	39
206	Electron Scattering by Small Molecules. Advances in Chemical Physics, 2007, , 103-190.	0.3	13
207	The Quantum Mechanics of Clusters. Advances in Chemical Physics, 2007, , 139-179.	0.3	40
208	Proton Nonlocality and Decoherence in Condensed Matter-Predictions and Experimental Results. Advances in Chemical Physics, 2007, , 393-430.	0.3	18
209	DNA in Chromatin: from Genome-Wide Sequence Analysis to the Modeling of Replication in Mammals. Advances in Chemical Physics, 2007, , 203-252.	0.3	3
210	Radiationless Transitions in Photochemistry. Advances in Photochemistry, 2007, , 149-309.	0.4	273
211	Path-Integral Centroid Methods in Quantum Statistical Mechanics and Dynamics. Advances in Chemical Physics, 2007, , 135-218.	0.3	145
212	Models, Interpretations, and Calculations Concerning Resonant Electron Scattering Processes in Atoms and Molecules. Advances in Chemical Physics, 2007, , 91-147.	0.3	154
213	The Transition from Analytic Dynamics to Statistical Mechanics. Advances in Chemical Physics, 2007, , 155-185.	0.3	135
214	Adiabatic and Quasidiabatic States in a Gauge Theoretical Framework. Advances in Chemical Physics, 2007, , 293-391.	0.3	200
215	A Comparative Study of Electron-and Positron-Polyatomic Molecule Scattering. Advances in Chemical Physics, 2007, , 537-622.	0.3	71
216	Wideband Measurement and Analysis Techniques for the Determination of the Frequency-Dependent, Complex Susceptibility of Magnetic Fluids. Advances in Chemical Physics, 2007, , 181-292.	0.3	22

#	Article	IF	Citations
217	Kinetic Theory of Dense Fluids and Liquids Revisited. Advances in Chemical Physics, 2007, , 257-343.	0.3	15
218	On a Theoretical Description of Solvated Electrons. Advances in Chemical Physics, 2007, , 483-543.	0.3	29
219	Statistical Physics of Polymer Solutions: Conformation-Space Renormalization-Group Approach. Advances in Chemical Physics, 2007, , 301-437.	0.3	113
220	Perspectives on Semiempirical Molecular Orbital Theory. Advances in Chemical Physics, 2007, , 703-757.	0.3	69
221	Irreversible Motion on Macroscopic and Molecular Timescales and Chemical Dynamics in Liquids. Advances in Chemical Physics, 2007, , 181-243.	0.3	3
222	Solid-Liquid Phase Behavior in Microclusters. Advances in Chemical Physics, 2007, , 75-138.	0.3	128
223	Quantum Electrodynamics of Resonance Energy Transfer. Advances in Chemical Physics, 2007, , 357-410.	0.3	43
224	Optical Dephasing of Ions and Molecules in Crystals. Advances in Chemical Physics, 2007, , 1-44.	0.3	46
225	Kerr Effect Relaxation in High Electric Fields. Advances in Chemical Physics, 2007, , 255-409.	0.3	68
226	Intrinsic Viscosity and the Polarizability of Particles Having a Wide Range of Shapes. Advances in Chemical Physics, 2007, , 85-153.	0.3	85
227	The Interface Between Electronic Structure Theory and Reaction Dynamics by Reaction Path Methods. Advances in Chemical Physics, 2007, , 389-453.	0.3	21
228	Colored Noise in Dynamical Systems. Advances in Chemical Physics, 2007, , 239-326.	0.3	240
229	Criticality of Ionic Fluids. Advances in Chemical Physics, 2007, , 1-66.	0.3	55
230	Complex Scaling and Dynamical Processes in Amorphous Condensed Matter. Advances in Chemical Physics, 2007, , 201-314.	0.3	39
231	On the Statics and Dynamics of Magnetoanisotropic Nanoparticles. Advances in Chemical Physics, 2007, , 1-210.	0.3	66
232	Vibrationâ†'Vibration Energy Transfer. Advances in Chemical Physics, 2007, , 41-83.	0.3	76
233	Applications of Doppler Spectroscopy to Photofragmentation. Advances in Chemical Physics, 2007, , 1-50.	0.3	23
234	Intermolecular Forces and Crystal Structures for D2 , N2 , O2 , F2 , and CO2. Advances in Chemical Physics, 2007, , 51-71.	0.3	38

#	Article	IF	Citations
235	Polymers in Disordered Media. Advances in Chemical Physics, 2007, , 625-708.	0.3	18
236	Molecular Theory of Liquid-Phase Vibrational Energy Relaxation. Advances in Chemical Physics, 2007, , 73-192.	0.3	7
237	Chemical Reaction Dynamics in Liquid Solution. Advances in Chemical Physics, 2007, , 61-223.	0.3	111
238	Autowave Modes of Conversion in Low-Temperature Chemical Reactions in Solids. Advances in Chemical Physics, 2007, , 339-384.	0.3	18
239	Small Clusters-Reactions of Van Der Waals Molecules. Advances in Chemical Physics, 2007, , 181-209.	0.3	15
240	Molecular Surface Chemistry: Reactions of Gas-Phase Metal Clusters. Advances in Chemical Physics, 2007, , 211-261.	0.3	69
241	Size Effects in Encounter and Reaction Dynamics. Advances in Chemical Physics, 2007, , 357-467.	0.3	12
242	Quantum Cryochemical Reactivity of Solids. Advances in Chemical Physics, 2007, , 349-437.	0.3	23
243	Probing Electrochemical Interfaces with X-Rays. Advances in Chemical Physics, 2007, , 255-335.	0.3	4
244	The Dynamics of Triplet Excitons in Mixed Molecular Crystals. Advances in Chemical Physics, 2007, , 141-267.	0.3	1
245	Theoretic Physicochemical Problems of Clathrate Compounds. Advances in Chemical Physics, 2007, , 269-359.	0.3	11
246	Simulation and Symmetry in Molecular Diffusion and Spectroscopy. Advances in Chemical Physics, 2007, , 361-702.	0.3	6
247	Triplet Excitons in Weak Organic Charge-Transfer Crystals. Advances in Chemical Physics, 2007, , 167-329.	0.3	4
248	New Ways of Understanding Semiclassical Quantization. Advances in Chemical Physics, 2007, , 105-364.	0.3	21
249	The Phenomenological and Statistical Thermodynamics of Nonuniform Systems. Advances in Chemical Physics, 2007, , 155-239.	0.3	0
250	Ordering and Phase Transitions in Adsorbed Monolayers of Diatomic Molecules. Advances in Chemical Physics, 2007, , 213-394.	0.3	36
251	Vibrational Predissociation Dynamics of Van Der Waals Complexes: Product Rotational State Distributions. Advances in Chemical Physics, 2007, , 51-102.	0.3	9
252	Molecular-Based Modeling of Water and Aqueous Solutions at Supercritical Conditions. Advances in Chemical Physics, 2007, , 115-205.	0.3	61

#	Article	IF	Citations
253	Above and Below the Wannier Threshold. Advances in Chemical Physics, 2007, , 311-418.	0.3	0
254	Recent Advances in the Study of Liquids by X-Ray Diffraction. Advances in Chemical Physics, 2007, , 157-202.	0.3	12
255	The Statistical Mechanics of Square-Well Fluids. Advances in Chemical Physics, 2007, , 139-201.	0.3	13
256	Heterogeneous Reaction Dynamics. Advances in Chemical Physics, 2007, , 477-516.	0.3	8
257	Experimental and Theoretical Studies of Rototranslational Correlation Functions. Advances in Chemical Physics, 2007, , 255-481.	0.3	31
258	Solitons in Chemical Physics. Advances in Chemical Physics, 2007, , 225-339.	0.3	46
259	Polariton and Surface Exciton State Effects in the Photodynamics of Organic Molecular Crystals. Advances in Chemical Physics, 2007, , 303-468.	0.3	26
260	Quasi-Two-Dimensional Phase Transitions in Paraffins. Advances in Chemical Physics, 2007, , 45-113.	0.3	12
261	Electron-Impact Spectrometry. Advances in Chemical Physics, 2007, , 15-90.	0.3	78
262	The Lattice Vibrations of Molecular Solids. Advances in Chemical Physics, 2007, , 205-313.	0.3	40
263	Variational Methods in Statistical Mechanics. Advances in Chemical Physics, 2007, , 187-255.	0.3	37
264	Theory of Liquid Crystals. Advances in Chemical Physics, 2007, , 231-261.	0.3	4
265	Low-Energy Electrons in Nonpolar Fluids. Advances in Chemical Physics, 2007, , 329-464.	0.3	40
266	General Connections Among Nuclear Electromagnetic Shieldings and Polarizabilities. Advances in Chemical Physics, 2007, , 507-549.	0.3	65
267	Electronic Structure Calculations for Molecules Containing Transition Metals. Advances in Chemical Physics, 2007, , 333-387.	0.3	65
268	Experimental overtone spectroscopy. Advances in Chemical Physics, 2007, , 253-330.	0.3	0
269	Accurate Quantum Chemical Calculations. Advances in Chemical Physics, 2007, , 103-161.	0.3	96
270	Predicting Rare Events in Molecular Dynamics. Advances in Chemical Physics, 2007, , 381-431.	0.3	64

#	Article	IF	Citations
271	Integral Equation Theories of the Structure, Thermodynamics, and Phase Transitions of Polymer Fluids. Advances in Chemical Physics, 2007, , 1-142.	0.3	224
272	The Infrared Spectral Density of Weak Hydrogen Bonds within the Linear Response Theory. Advances in Chemical Physics, 2007, , 1-186.	0.3	58
273	The Thermodynamic Description of Phase Transitions. Advances in Chemical Physics, 2007, , 43-61.	0.3	1
274	The Structure of Polar Fluids. Advances in Chemical Physics, 2007, , 103-153.	0.3	22
275	Developments in Parallel Electronic Structure Theory. Advances in Chemical Physics, 2007, , 267-294.	0.3	55
276	Star Polymers: Experiment, Theory, and Simulation. Advances in Chemical Physics, 2007, , 67-163.	0.3	154
277	Electron Transfer Reactions in Solution: A Historical Perspective. Advances in Chemical Physics, 2007, , 7-33.	0.3	19
278	Fluctuations and Coherence in Long-Range and Multicenter Electron Transfer. Advances in Chemical Physics, 2007, , 453-514.	0.3	6
279	Inhomogeneous Relativistic Electron Systems: A Density-Functional Formalism. Advances in Chemical Physics, 2007, , 231-302.	0.3	56
280	Theoretical Aspects of Ionization Potentials and Photoelectron Spectroscopy: A Green's Function Approach. Advances in Chemical Physics, 2007, , 205-344.	0.3	752
281	Mobilities of Charge Carriers in Superfluid Helium. Advances in Chemical Physics, 2007, , 1-49.	0.3	55
282	Lanczos Algorithm for Electron Transfer Rates in Solvents with Complex Spectral Densities. Advances in Chemical Physics, 2007, , 515-551.	0.3	1
283	Spectroscopic Determination of Electron Transfer Barriers and Rate Constants. Advances in Chemical Physics, 2007, , 553-570.	0.3	4
284	Photoinduced Electron Transfer within Donor-Spacer-Acceptor Molecular Assemblies Studied by Time-Resolved Microwave Conductivity. Advances in Chemical Physics, 2007, , 571-601.	0.3	10
285	Photoinduced Electron Transfers through Ïƒ Bonds in Solution. Advances in Chemical Physics, 2007, , 645-666.	0.3	3
286	Charge Transfer in Bichromophoric Molecules in the Gas Phase. Advances in Chemical Physics, 2007, , 203-220.	0.3	7
287	Control of Electron Transfer Kinetics: Models for Medium Reorganization and Donor-Acceptor Coupling. Advances in Chemical Physics, 2007, , 303-375.	0.3	53
288	Understanding Electron Correlation: Recent Progress in Molecular Synchrotron Photoelectron Spectroscopy. Advances in Chemical Physics, 2007, , 215-266.	0.3	22

#	Article	IF	Citations
289	Solvable Models for Unstable States in Quantum Physics. Advances in Chemical Physics, 2007, , 143-171.	0.3	9
290	Flow Behavior of Liquid Crystalline Polymers. Advances in Chemical Physics, 2007, , 331-404.	0.3	65
291	On the Statistical Theory of Unimolecular Processes. Advances in Chemical Physics, 2007, , 231-263.	0.3	124
292	From Close Contact to Long-Range Intramolecular Electron Transfer. Advances in Chemical Physics, 2007, , 603-644.	0.3	42
293	Long-Range Charge Separation in Solvent-Free Donor-Bridge-Acceptor Systems. Advances in Chemical Physics, 2007, , 221-264.	0.3	10
294	Electron Transfer and Charge Separation in Clusters. Advances in Chemical Physics, 2007, , 265-302.	0.3	9
295	Finite Integral Representation of Characteristic Times of Orientational Relaxation Processes: Application to the Uniform Bias Force Effect in Relaxation in Bistable Potentials. Advances in Chemical Physics, 2007, , 259-333.	0.3	26
296	Energy Profiles for Organic Reactions in Solution. Advances in Chemical Physics, 2007, , 469-488.	0.3	26
297	Chemical Kinetics of Flue Gas Cleaning by Irradiation with Electrons. Advances in Chemical Physics, 2007, , 315-402.	0.3	101
298	Linear Inequalities for Diagonal Elements of Density Matrices. Advances in Chemical Physics, 2007, , 443-483.	0.3	23
299	Chaos and Reaction Dynamics. Advances in Chemical Physics, 2007, , 365-439.	0.3	35
300	Molecular Properties Observed and Computed. Advances in Chemical Physics, 2007, , 1-141.	0.3	9
301	Density Operator Description of Excitonic Absorption and Motion in Finite Molecular Systems. Advances in Chemical Physics, 2007, , 321-476.	0.3	4
302	Ligand-Stabilized Metal Clusters: Structure, Bonding, Fluxionality, and the Metallic State. Advances in Chemical Physics, 2007, , 1-43.	0.3	23
303	Theory and Methodology of The Contracted SchrÃ¶dinger Equation. Advances in Chemical Physics, 2007, , 119-164.	0.3	4
304	The Thermodynamics of Evolving Chemical Systems and the Approach to Equilibrium. Advances in Chemical Physics, 2007, , 399-442.	0.3	7
305	Diffraction by Molecular Liquids. Advances in Chemical Physics, 2007, , 203-243.	0.3	62
306	Coherent Processes in Molecular Crystals. Advances in Chemical Physics, 2007, , 369-484.	0.3	39

#	Article	IF	Citations
307	Canonical Transformation Theory for Dynamic Correlations in Multireference Problems. Advances in Chemical Physics, 2007, , 343-384.	0.3	16
308	A Density Matrix, Bloch Equation Description of Infrared and Microwave Transient Phenomena. Advances in Chemical Physics, 2007, , 1-68.	0.3	69
309	Magnetic Relaxation in Fine-Particle Systems. Advances in Chemical Physics, 2007, , 283-494.	0.3	740
310	Multiconfigurational Perturbation Theory: Applications in Electronic Spectroscopy. Advances in Chemical Physics, 2007, , 219-331.	0.3	278
311	Semiclassical theory of Bound States. Advances in Chemical Physics, 2007, , 1-61.	0.3	415
312	The Dissociation Dynamics of Energy-Selected Ions. Advances in Chemical Physics, 2007, , 111-202.	0.3	80
313	Natural Chiroptical Spectroscopy: Theory and Computations. Advances in Chemical Physics, 2007, , 545-644.	0.3	127
314	Transport and Kinetics in Electroactive Polymers. Advances in Chemical Physics, 2007, , 297-624.	0.3	25
315	Polar and Nonpolar Solvation Dynamics, Ion Diffusion, and Vibrational Relaxation: Role of Biphasic Solvent Response in Chemical Dynamics. Advances in Chemical Physics, 2007, , 207-433.	0.3	80
316	Magnetic Circular Dichroism. Advances in Chemical Physics, 2007, , 197-264.	0.3	150
317	Variational Approaches to Vibration-Rotation Spectroscopy for Polyatomic Molecules. Advances in Chemical Physics, 2007, , 305-379.	0.3	234
318	Overtone Frequencies and Intensities in the Local Mode Picture. Advances in Chemical Physics, 2007, , 1-58.	0.3	395
319	Electron Transfer and Exciplex Chemistry. Advances in Chemical Physics, 2007, , 431-496.	0.3	74
320	Relaxation Times for Single-Domain Ferromagnetic Particles. Advances in Chemical Physics, 2007, , 211-336.	0.3	5
321	Correlation Effects in the Ionization of Molecules: Breakdown of the Molecular Orbital Picture. Advances in Chemical Physics, 2007, , 115-159.	0.3	384
322	Infrared Vibrational Predissociation Spectroscopy of Small Size-Selected Clusters. Advances in Chemical Physics, 2007, , 63-140.	0.3	32
323	Stability and Dissipative Structures in Open Systems far from Equilibrium. Advances in Chemical Physics, 2007, , 209-324.	0.3	77
324	Kinetic Theory for Chemically Reacting Gases and Partially Ionized Plasmas. Advances in Chemical Physics, 2007, , 175-253.	0.3	20

#	Article	IF	Citations
325	Inhomogeneous RF Fields: A Versatile Tool for the Study of Processes with Slow Ions. Advances in Chemical Physics, 2007, , 1-176.	0.3	397
326	Electrolytes and the Electric Double Layer. Advances in Chemical Physics, 2007, , 1-159.	0.3	90
327	Chemistry Induced by Core Electron Excitation. Advances in Chemical Physics, 2007, , 1-38.	0.3	60
328	A Critical Assessment of Coupled Cluster Method in Quantum Chemistry. Advances in Chemical Physics, 2007, , 1-175.	0.3	285
329	Principles and Applications of Multiple-Quantum Nmr. Advances in Chemical Physics, 2007, , 1-152.	0.3	79
330	Molecular Vibration and Nonlinear Optics. Advances in Chemical Physics, 2007, , 1-40.	0.3	117
331	Semiclassical Calculation of Quantum Mechanical Wavefunctions. Advances in Chemical Physics, 2007, , 161-214.	0.3	54
332	Dephasing of Molecular Vibrations in Liquids. Advances in Chemical Physics, 2007, , 1-48.	0.3	370
333	Roles of Repulsive and Attractive Forces in Liquids : The Equilibrium Theory of Classical Fluids. Advances in Chemical Physics, 2007, , 105-156.	0.3	231
334	The Rotation of Molecules in Dense Phases. Advances in Chemical Physics, 2007, , 1-104.	0.3	140
335	Electron Transfer in Molecules and Molecular Wires: Geometry Dependence, Coherent Transfer, and Control. Advances in Chemical Physics, 2007, , 403-429.	0.3	35
336	On the Calculation of Time Correlation Functions. Advances in Chemical Physics, 2007, , 63-227.	0.3	415
337	Structure and Dynamics of Simple Microclusters. Advances in Chemical Physics, 2007, , 49-135.	0.3	430
338	Electron Transfer Past and Future. Advances in Chemical Physics, 2007, , 1-6.	0.3	35
339	H + H2 : Potential-Energy Surfaces and Elastic and Inelastic Scattering. Advances in Chemical Physics, 2007, , 141-204.	0.3	54
340	Local Mode Vibrations in Polyatomic Molecules. Advances in Chemical Physics, 2007, , 41-179.	0.3	70
341	On the Use of Pseudopotentials in the Quantum Theory of Atoms and Molecules. Advances in Chemical Physics, 2007, , 283-342.	0.3	106
342	Proton Energy Loss Spectroscopy as a State-to-State Probe of Molecular Dynamics. Advances in Chemical Physics, 2007, , 553-647.	0.3	28

#	Article	IF	Citations
343	The Origin of Hysteresis in Simple Magnetic Systems. Advances in Chemical Physics, 2007, , 71-134.	0.3	4
344	Theories of Structure-Function Relationships for Bridge-Mediated Electron Transfer Reactions. Advances in Chemical Physics, 2007, , 377-452.	0.3	54
345	The Redfield Equation in Condensed-Phase Quantum Dynamics. Advances in Chemical Physics, 2007, , 77-134.	0.3	135
346	Theory of Ultrafast Nonadiabatic Excited-State Processes and their Spectroscopic Detection in Real Time. Advances in Chemical Physics, 2007, , 1-169.	0.3	282
347	Photophysics of Internal Twisting. Advances in Chemical Physics, 2007, , 1-174.	0.3	203
348	Surface Plasma Oscillations and Related Surface Effects in Solids. Advances in Chemical Physics, 2007, , 265-354.	0.3	43
349	The Theoretical Investigation of the Electron Affinity of Chemical Compounds. Advances in Chemical Physics, 2007, , 169-221.	0.3	88
350	Phase Equilibria in Fluid Mixtures at High Pressures. Advances in Chemical Physics, 2007, , 1-42.	0.3	70
351	Monte Carlo Sampling for Classical Trajectory Simulations. Advances in Chemical Physics, 2007, , 171-201.	0.3	158
352	Discrete-Variable Representations and their Utilization. Advances in Chemical Physics, 2007, , 263-310.	0.3	496
353	An Effective Hamiltonian to Treat Adiabatic and Nonadiabatic Effects in the Rotational and Vibrational Spectra of Diatomic Molecules. Advances in Chemical Physics, 2007, , 187-215.	0.3	24
354	Microscopic Theories of the Rheology of Stable Colloidal Dispersions. Advances in Chemical Physics, 2007, , 399-474.	0.3	23
355	Hard Convex Body Fluids. Advances in Chemical Physics, 2007, , 1-166.	0.3	205
356	Theory and Molecular Models for Water. Advances in Chemical Physics, 2007, , 1-101.	0.3	151
357	Periodic Surfaces of Prescribed Mean Curvature. Advances in Chemical Physics, 2007, , 337-396.	0.3	63
358	Surface and Bulk Spectroscopy of A Molecular Crystal: Effect of Relaxation and Thermal or Static Disorder. Advances in Chemical Physics, 2007, , 1-253.	0.3	26
359	Collective Orientational Relaxation in Dense Dipolar Liquids. Advances in Chemical Physics, 2007, , 1-126.	0.3	165
360	Interplay Between Ultrafast Polar Solvation and Vibrational Dynamics in Electron Transfer Reactions: Role of High-Frequency Vibrational Modes. Advances in Chemical Physics, 2007, , 1-80.	0.3	42

#	Article	IF	Citations
361	Theoretical and Experimental Study of Ultrafast Solvation Dynamics by Transient Four-Photon Spectroscopy. Advances in Chemical Physics, 2007, , 191-261.	0.3	3
362	Solvent Control of Electron Transfer Reactions. Advances in Chemical Physics, 2007, , 81-189.	0.3	34
363	Coherence and Adiabaticity in Ultrafast Electron Transfer. Advances in Chemical Physics, 2007, , 263-309.	0.3	30
364	Electron Transfer and Solvent Dynamics in Two- and Three-State Systems. Advances in Chemical Physics, 2007, , 311-370.	0.3	27
365	Ultrafast Intermolecular Electron Transfer in Solution. Advances in Chemical Physics, 2007, , 371-402.	0.3	20
366	Experimental Electron Transfer Kinetics in a DNA Environment. Advances in Chemical Physics, 2007, , 647-676.	0.3	20
367	Molecular Fluorescence and Energy Transfer Near Interfaces. Advances in Chemical Physics, 2007, , 1-65.	0.3	745
368	Experimental and Theoretical Bubble Dynamics. Advances in Chemical Physics, 2007, , 295-380.	0.3	73
369	Ab Initio Determination of Molecular Electrical Properties. Advances in Chemical Physics, 2007, , 37-111.	0.3	61
370	Collision-Induced Light Scattering: a Bibliography. Advances in Chemical Physics, 2007, , 439-505.	0.3	35
371	Electron Resonance of Gaseous Diatomic Molecules. Advances in Chemical Physics, 2007, , 149-248.	0.3	105
372	Theory of Polyelectrolyte Solutions. Advances in Chemical Physics, 2007, , 1-66.	0.3	262
373	Irreversible Thermodynamics for Quantum Systems Weakly Coupled to Thermal Reservoirs. Advances in Chemical Physics, 2007, , 109-142.	0.3	163
374	Microscopic Simulations of Chemical Instabilities. Advances in Chemical Physics, 2007, , 393-474.	0.3	31
375	Oscillations and Complex Dynamical Bifurcations in Electrochemical Systems. Advances in Chemical Physics, 2007, , 161-298.	0.3	112
376	Stability of Complex Reaction Networks. Advances in Chemical Physics, 2007, , 1-215.	0.3	179
377	The Algebra of Effective Hamiltonians and Operators: Exact Operators. Advances in Chemical Physics, 2007, , 465-541.	0.3	33
378	Hydrogen Bonds with Large Proton Polarizability and Proton Transfer Processes in Electrochemistry and Biology. Advances in Chemical Physics, 2007, , 1-217.	0.3	126

#	Article	IF	Citations
379	Structure and Dynamics of Low-Temperature Water as Studied by Scattering Techniques. Advances in Chemical Physics, 2007, , 1-45.	0.3	80
380	Kinetics and Dynamics of Hydrogen Adsorption and Desorption on Silicon Surfaces. Advances in Chemical Physics, 2007, , 1-60.	0.3	21
381	The Collisional Time-Correlation Function Approach to Molecular Energy Transfer. Advances in Chemical Physics, 2007, , 1-72.	0.3	4
382	Correlation Functions in Subcritical Fluid. Advances in Chemical Physics, 2007, , 215-279.	0.3	7
383	ESCA. Advances in Chemical Physics, 2007, , 85-159.	0.3	68
384	Structural Models for Clusters Produced in a Free Jet Expansion. Advances in Chemical Physics, 2007, , 45-74.	0.3	38
385	On the Theory of the Origin of Spatially Nonuniform Stationary States (Dissipative Structures) in Heterogeneous Catalytic Systems. Advances in Chemical Physics, 2007, , 551-606.	0.3	10
386	Zeke Spectroscopy: High-Resolution Spectroscopy with Photoelectrons. Advances in Chemical Physics, 2007, , 1-104.	0.3	25
387	One-Dimensional Quantum Mechanical Problems with Complicated Potentials. The Propagator Method of Solution and Some Chemical Applications. Advances in Chemical Physics, 2007, , 393-433.	0.3	4
388	Cumulants, Extensivity, and the Connected Formulation of the Contracted SchrÃ¶dinger Equation. Advances in Chemical Physics, 2007, , 261-292.	0.3	14
389	Anti-Hermitian Formulation of the Contracted SchrÃ¶dinger Theory. Advances in Chemical Physics, 2007, , 331-342.	0.3	11
390	Geminal Functional Theory. Advances in Chemical Physics, 2007, , 429-441.	0.3	0
391	Parameterization of the 2-RDM. Advances in Chemical Physics, 2007, , 485-492.	0.3	0
392	The Lower Bound Method for Density Matrices and Semidefinite Programming. Advances in Chemical Physics, 2007, , 61-91.	0.3	10
393	The T 1 and T 2 Representability Conditions. Advances in Chemical Physics, 2007, , 93-101.	0.3	15
394	Semidefinite Programming: Formulations and Primal-Dual Interior-Point Methods. Advances in Chemical Physics, 2007, , 103-118.	0.3	7
395	Kinetic Theory of Plasmas. Advances in Chemical Physics, 2007, , 193-209.	0.3	0
396	On Global Energy Conservation in Nonlinear Light-Matter Interaction: The Nonlinear Spectroscopies, Active and Passive. Advances in Chemical Physics, 2007, , 43-87.	0.3	6

#	Article	IF	Citations
397	Time-Reversal Invariance, Representations for Scattering Wavefunctions, Symmetry of the Scattering Matrix, and Differential Cross-Sections. Advances in Chemical Physics, 2007, , 295-344.	0.3	20
398	Angular Distributions of Photoelectrons: Consequences of Symmetry. Advances in Chemical Physics, 2007, , 1-14.	0.3	19
399	Dielectric Properties of Liquid Crystals Under High Pressure. Advances in Chemical Physics, 2007, , 143-216.	0.3	47
400	A Theoretical Study of Origins of Resonance Raman and Resonance Fluorescence Using a Split-Up of the Emission Correlation Function. Advances in Chemical Physics, 2007, , 403-462.	0.3	6
401	Quantum-Mechanical System Theory: a Unifying Framework for Observations and Stochastic Processes in Quantum Mechanics. Advances in Chemical Physics, 2007, , 1-107.	0.3	9
402	Recombination of Gaseous Ions. Advances in Chemical Physics, 2007, , 1-40.	0.3	30
403	Predictions of the Structure of Complex Solids. Advances in Chemical Physics, 2007, , 47-113.	0.3	5
404	Influence of Translational Energy Upon Reactive Scattering Cross Section: Neutral-Neutral Collisions. Advances in Chemical Physics, 2007, , 213-335.	0.3	36
405	Some Comments on the Theory of Photochemical Reactions. Advances in Chemical Physics, 2007, , 153-165.	0.3	1
406	The Thermodynamic Forces in an Interface. Advances in Chemical Physics, 2007, , 1-38.	0.3	4
407	Potential Energy Surfaces of Transition-Metal-Catalyzed Chemical Reactions. Advances in Chemical Physics, 2007, , 61-128.	0.3	15
408	Association, Dissociation, and the Acceleration and Suppression of Reactions by Laser Pulses. Advances in Chemical Physics, 2007, , 123-191.	0.3	6
409	Aspects of Kinetic Theory. Advances in Chemical Physics, 2007, , 173-191.	0.3	0
410	Transition State Spectroscopy of Bimolecular Reactions Using Negative Ion Photodetachment. Advances in Chemical Physics, 2007, , 1-61.	0.3	52
411	Fluctuations in Spectral Intensities and Transition Rates. Advances in Chemical Physics, 2007, , 53-95.	0.3	69
412	An Introduction toC*-Algebraic Methods in Physics. Advances in Chemical Physics, 2007, , 315-364.	0.3	3
413	A Many-Body Stochastic Approach to Rotational Motions in Liquids. Advances in Chemical Physics, 2007, , 89-206.	0.3	59
414	The RotationalgFactor of Diatomic Molecules in State1Î£+or 0+. Advances in Chemical Physics, 2007, , 475-536.	0.3	15

#	Article	IF	Citations
415	Level Structure and Dynamics from Diatomics to Clusters. Advances in Chemical Physics, 2007, , 1-34.	0.3	13
416	Resonances and Dilatation Analyticity in Liouville Space. Advances in Chemical Physics, 2007, , 211-244.	0.3	10
417	Nonadiabatic Crossing of Decaying Levels. Advances in Chemical Physics, 2007, , 333-368.	0.3	0
418	Appendix A. Abbreviations and Symbols. Advances in Chemical Physics, 2007, , 331-340.	0.3	0
419	Appendix B: Bibliography on Acetylene in the Ground Electronic State. Advances in Chemical Physics, 2007, , 340-364.	0.3	0
420	Appendix C: Vibrational Energy Level of 12 C2 H2 (XÌƒ1 âˆ'+ g). Advances in Chemical Physics, 2007, , 364-387.	0.3	0
421	Nonlinear Problems in the Theory of Phase Transitions. Advances in Chemical Physics, 2007, , 229-368.	0.3	23
422	Theories of Lipid Monolayers. Advances in Chemical Physics, 2007, , 195-228.	0.3	20
423	On the Electronic Spectra of Small Linear Polyenes. Advances in Chemical Physics, 2007, , 177-214.	0.3	20
424	Penetrable Sphere Models of Liquid-Vapor Equilibrium. Advances in Chemical Physics, 2007, , 1-57.	0.3	24
425	Interactions of Slow Electrons with Benzene and Benzene Derivatives. Advances in Chemical Physics, 2007, , 413-520.	0.3	37
426	Two-Photon Spectroscopy of Perturbed Benzenes. Advances in Chemical Physics, 2007, , 177-230.	0.3	18
427	Quantum Description of the Impulsive Photodissociation Dynamics of Iâ€‰â^'3 in Solution. Advances in Chemical Physics, 2007, , 229-315.	0.3	29
428	The Correspondence Principle in Heavy-Particle Collisions. Advances in Chemical Physics, 2007, , 63-139.	0.3	62
429	Temporal, Spatial, and Functional Order in Regulated Biochemical and Cellular Systems. Advances in Chemical Physics, 2007, , 363-413.	0.3	12
430	The Backward Trip: From The Vibration-Rotation Data to The Hamiltonian. Advances in Chemical Physics, 2007, , 95-253.	0.3	1
431	A Deductive Approach to Reduced Dynamics and Entropy in Finite Quantum Systems. Advances in Chemical Physics, 2007, , 341-375.	0.3	5
432	Algebraic Variational Methods in Scattering Theory. Advances in Chemical Physics, 2007, , 211-293.	0.3	37

#	Article	IF	Citations
433	Independent and Collective Behavior Within Atoms and Molecules. Advances in Chemical Physics, 2007, , 35-51.	0.3	18
434	Atomic Force Microscopy of Polymer Films. Advances in Chemical Physics, 2007, , 1-83.	0.3	6
435	The Spectroscopy of Hâ€‰3+. Advances in Chemical Physics, 2007, , 1-87.	0.3	27
436	Time, Irreversibility, and Unstable Systems in Quantum Physics. Advances in Chemical Physics, 2007, , 245-297.	0.3	1
437	Quantum Systems with Diagonal Singularity. Advances in Chemical Physics, 2007, , 299-332.	0.3	11
438	Laser photoelectron spectroscopy: spectroscopy and dynamics of excited states in small and medium-sized molecules. Advances in Chemical Physics, 2007, , 1-125.	0.3	8
439	Nonadiabatic transitions due to curve crossings: complete solutions of the landau-zener-stueckelberg problems and their applications. Advances in Chemical Physics, 2007, , 127-233.	0.3	65
440	Multidimensional raman spectroscopy. Advances in Chemical Physics, 2007, , 235-274.	0.3	12
441	Birefringence and dielectric relaxation in strong electric fields. Advances in Chemical Physics, 2007, , 275-481.	0.3	39
442	Crossover formulas in the kramers theory of thermally activated escape rates-application to spin systems. Advances in Chemical Physics, 2007, , 483-765.	0.3	64
443	Toward Ab Initio Theory of Longdistance Electron Tunneling in Proteins: Tunneling Currents Approach. Advances in Chemical Physics, 2007, , 1-44.	0.3	26
444	Magnetic Field Influence on Dynamics of Singlet-Triplet Conversion. Advances in Chemical Physics, 2007, , 45-98.	0.3	6
445	Classical and Quantum Magnetization Reversal Studied in Nanometer-Sized Particles and Clusters. Advances in Chemical Physics, 2007, , 99-190.	0.3	265
446	Dynamical Approach to Vibrational Relaxation. Advances in Chemical Physics, 2007, , 191-270.	0.3	22
447	An Overview of the Dynamics of Intramolecular Transfer of Vibrational Energy: Dynamics of Intramolecular Transfer of Vibrational Energy. Advances in Chemical Physics, 2007, , 117-200.	0.3	72
448	Analysis and Evaluation of Ionization Potentials, Electron Affinities, and Excitation Energies by the Equations of Motion-Green's Function Method. Advances in Chemical Physics, 2007, , 1-69.	0.3	185
449	Kinetic Theory of Chemical Reactions in Liquids. Advances in Chemical Physics, 2007, , 71-181.	0.3	80
450	Dielectric Constants of Fluid Models: Statistical Mechanical Theory and its Quantitative Implementation. Advances in Chemical Physics, 2007, , 183-328.	0.3	260

#	Article	IF	Citations
451	Light Scattering from Thin Liquid Films. Advances in Chemical Physics, 2007, , 329-396.	0.3	28
452	Interaction Potentials and Glass Formation: A Survey of Computer Experiments. Advances in Chemical Physics, 2007, , 397-453.	0.3	162
453	Liquids, Glasses, and the Glass Transition: A Free-Volume Approach. Advances in Chemical Physics, 2007, , 455-525.	0.3	228
454	Statistical Mechanics of Polymer Solutions and Polymer Adsorption. Advances in Chemical Physics, 2007, , 1-48.	0.3	35
455	Theory of Collision-Induced Line Shapes-Absorption and Light Scattering at Low Density. Advances in Chemical Physics, 2007, , 49-112.	0.3	85
456	Generalizations of the Entropy Concept: Principles, Limitations, and Prospects for Applications. Advances in Chemical Physics, 2007, , 113-175.	0.3	3
457	Sensitivity Analysis and Its Role in Quantum Scattering Theory. Advances in Chemical Physics, 2007, , 177-226.	0.3	17
458	Metallic Glasses. Advances in Chemical Physics, 2007, , 227-275.	0.3	20
459	Tagged-Particle Motion in Dense Media: Dynamics Beyond the Boltzmann Equation. Advances in Chemical Physics, 2007, , 1-53.	0.3	29
460	On Invariance of Localized Hamiltonians Under Feasible Elements of the Nuclear Permutation-Inversion Group. Advances in Chemical Physics, 2007, , 55-126.	0.3	22
461	Collisional Dissociation and Chemical Relaxation of Rubidium and Cesium Halide Molecules. Advances in Chemical Physics, 2007, , 127-208.	0.3	1
462	The Virial Theorem. Advances in Chemical Physics, 2007, , 209-361.	0.3	92
463	Multimode Molecular Dynamics Beyond the Born-Oppenheimer Approximation. Advances in Chemical Physics, 2007, , 59-246.	0.3	1,010
464	Laser Light Scattering in Fluid Systems. Advances in Chemical Physics, 2007, , 1-93.	0.3	47
465	Nonequilibrium Phase Transitions and Chemical Instabilities. Advances in Chemical Physics, 2007, , 311-355.	0.3	87
466	Latticeâ€“Boltzmann study of the transition from quasi-two-dimensional to three-dimensional one particle hydrodynamics. Molecular Physics, 2006, 104, 1283-1297.	0.8	13
467	Physical Properties of Fractal Structures. Advances in Chemical Physics, 2006, , 93-284.	0.3	2
468	Dispersion of the Structural Relaxation and the Vitrification of Liquids. Advances in Chemical Physics, 2006, , 497-593.	0.3	37

#	Article	IF	Citations
469	Molecular Dynamics in Thin Polymer Films. Advances in Chemical Physics, 2006, , 595-632.	0.3	2
470	Fractal Physiology, Complexity, and the Fractional Calculus. Advances in Chemical Physics, 2006, , 1-92.	0.3	8
471	Fractional Rotational Diffusion and Anomalous Dielectric Relaxation in Dipole Systems. Advances in Chemical Physics, 2006, , 285-437.	0.3	23
472	Fundamentals of LÃ©vy Flight Processes. Advances in Chemical Physics, 2006, , 439-496.	0.3	40
473	Three-particle correlation functions of quasi-two-dimensional one-component and binary colloid suspensions. Journal of Chemical Physics, 2006, 125, 184715.	1.2	17
474	Adiabatic transfer of population in a dense fluid: The role of dephasing statistics. Journal of Chemical Physics, 2006, 125, 194517.	1.2	13
475	Classical Coulomb Three-Body Problem. Advances in Chemical Physics, 2005, , 305-335.	0.3	3
476	Generalization of the Fluctuation-Dissipation Theorem for Excess Heat Production. Advances in Chemical Physics, 2005, , 353-371.	0.3	0
477	Dynamical Models for Two-Dimensional Infrared Spectroscopy of Peptides. Advances in Chemical Physics, 2005, , 1-56.	0.3	4
478	Hydrodynamics and Slip at the Liquid-Solid Interface. Advances in Chemical Physics, 2005, , 61-84.	0.3	1
479	Classical, Semiclassical, and Quantum Mechanical Unimolecular Reaction Rate Theory. Advances in Chemical Physics, 2005, , 1-142.	0.3	6
480	Vibrational Energy Relaxation (Ver) of a CD Stretching Mode in Cytochrome c. Advances in Chemical Physics, 2005, , 179-203.	0.3	8
481	A New Look at the Transition State: Wigner's Dynamical Perspective Revisited. Advances in Chemical Physics, 2005, , 171-216.	0.3	36
482	Geometry of Phase-Space Transition States: Many Dimensions, Angular Momentum. Advances in Chemical Physics, 2005, , 217-265.	0.3	10
483	Global Aspects of Chemical Reactions in Multidimensional Phase Space. Advances in Chemical Physics, 2005, , 337-399.	0.3	22
484	Classical Mechanism of Multidimensional Barrier Tunneling. Advances in Chemical Physics, 2005, , 401-434.	0.3	0
485	On Recursive Production and Evolvability of Cells: Catalytic Reaction Network Approach. Advances in Chemical Physics, 2005, , 543-598.	0.3	14
486	Chemical Reactions at Very High Pressure. Advances in Chemical Physics, 2005, , 105-242.	0.3	34

#	Article	IF	Citations
487	Non-Born-Oppenheimer Variational Calculations of Atoms and Molecules with Explicitly Correlated Gaussian Basis Functions. Advances in Chemical Physics, 2005, , 377-475.	0.3	70
488	Energy Transfer and Photosynthetic Light Harvesting. Advances in Chemical Physics, 2005, , 57-129.	0.3	29
489	Classical Description of Nonadiabatic Quantum Dynamics. Advances in Chemical Physics, 2005, , 243-375.	0.3	117
490	Polyelectrolyte Dynamics. Advances in Chemical Physics, 2005, , 1-60.	0.3	9
491	Heat Transport in Molecules and Reaction Kinetics: The Role of Quantum Energy Flow and Localization. Advances in Chemical Physics, 2005, , 205-256.	0.3	45
492	X-ray diffuse scattering study of height fluctuations at the liquidâ€“vapor interface of gallium. Physica B: Condensed Matter, 2005, 357, 106-109.	1.3	7
493	Influence of Hydrodynamic Coupling on Pair Diffusion in a Quasi-One-Dimensional Colloid System. Physical Review Letters, 2005, 95, 158301.	2.9	22
494	Slow Relaxation, Anomalous Diffusion, and Aging in Equilibrated or Nonequilibrated Environments. Advances in Chemical Physics, 2005, , 257-325.	0.3	0
495	A Calculus for Relating the Dynamics and Structure of Complex Biological Networks. Advances in Chemical Physics, 2005, , 151-178.	0.3	7
496	Regularity in Chaotic Transitions on Two-Basin Landscapes. Advances in Chemical Physics, 2005, , 143-170.	0.3	16
497	Multiergodicity and Nonstationarity in Generic Hamiltonian Dynamics. Advances in Chemical Physics, 2005, , 465-475.	0.3	0
498	Nonmetric Multidimensional Scaling As a Data-Mining Tool: New Algorithm and New Targets. Advances in Chemical Physics, 2005, , 315-351.	0.3	9
499	Atomic Clusters: Powerful Tools to Probe Complex Dynamics. Advances in Chemical Physics, 2005, , 1-24.	0.3	1
500	Rapid Alloying in Binary Clusters: Microcluster As a Dynamic Material. Advances in Chemical Physics, 2005, , 155-177.	0.3	3
501	Regularity in Chaotic Transitions on Multibasin Landscapes. Advances in Chemical Physics, 2005, , 257-313.	0.3	10
502	Second- and First-Order Phase Transitions in Molecular Nanoclusters. Advances in Chemical Physics, 2005, , 131-150.	0.3	0
503	Temperature, Geometry, and Variational Structure in Microcanonical Ensemble for Structural Isomerization Dynamics of Clusters: A Multichannel Chemical Reaction beyond the Transition-State Concept. Advances in Chemical Physics, 2005, , 25-85.	0.3	2
504	Slow Relaxation in Hamiltonian Systems with Internal Degrees of Freedom. Advances in Chemical Physics, 2005, , 373-421.	0.3	0

#	Article	IF	Citations
505	Slow Dynamics in Multidimensional Phase Space: Arnold Model Revisited. Advances in Chemical Physics, 2005, , 423-436.	0.3	0
506	Relaxation and Diffusion in a Globally Coupled Hamiltonian System. Advances in Chemical Physics, 2005, , 477-500.	0.3	0
507	Analysis and Control of Ultrafast Dynamics in Clusters: Theory and Experiment. Advances in Chemical Physics, 2005, , 179-246.	0.3	3
508	Effects of An Intrinsic Metric of Molecular Internal Space on Chemical Reaction Dynamics. Advances in Chemical Physics, 2005, , 87-128.	0.3	5
509	The Role of Chaos for Inert and Reacting Transport. Advances in Chemical Physics, 2005, , 519-542.	0.3	0
510	Coarse-Grained Picture for Controlling Quantum Chaos. Advances in Chemical Physics, 2005, , 435-458.	0.3	2
511	Ultracold Large Finite Systems. Advances in Chemical Physics, 2005, , 247-343.	0.3	6
512	Isomerization and dissociation dynamics of HCN in a picosecond infrared laser field: A full-dimensional classical study. Journal of Chemical Physics, 2005, 122, 144311.	1.2	25
513	A theoretical study of the structure of the liquid Ga-diamond (111) interface. Journal of Chemical Physics, 2005, 123, 104703.	1.2	6
514	Influence of polydispersity on the effective interaction in a quasi-two-dimensional pseudo-one-component colloid fluid. Physical Review E, 2005, 71, 041403.	0.8	14
515	Controlled subnanosecond isomerization of HCN to CNH in solution. Journal of Chemical Physics, 2005, 122, 204505.	1.2	21
516	Finite-Time Lyapunov Exponents in Many-Dimensional Dynamical Systems. Advances in Chemical Physics, 2005, , 501-518.	0.3	0
517	Structure of Ionic Liquids and Ionic Liquid Compounds: Are Ionic Liquids Genuine Liquids in the Conventional Sense?. Advances in Chemical Physics, 2005, , 85-104.	0.3	66
518	Assisted Adiabatic Passage Revisitedâ€. Journal of Physical Chemistry B, 2005, 109, 6838-6844.	1.2	292
519	Diffuse scattering from the liquid-vapor interfaces of diluteBi:Ga,Tl:Ga, andPb:Gaalloys. Physical Review B, 2005, 72, .	1.1	9
520	Intramolecular Dynamics Along Isomerization and Dissociation Pathways. Advances in Chemical Physics, 2005, , 267-303.	0.3	25
521	Structure of Resonances and Transport in Multidimensional Hamiltonian Dynamical Systems. Advances in Chemical Physics, 2005, , 437-463.	0.3	5
522	Physicochemical Properties of Nanostructured Perfluoropolyether Films. Advances in Chemical Physics, 2004, , 1-70.	0.3	9

#	Article	IF	Citations
523	Non-Markovian Theories of Transfer Reactions in Luminescence and Chemiluminescence and Photo- and Electrochemistry. Advances in Chemical Physics, 2004, , 105-418.	0.3	56
524	General method for complete population transfer in degenerate systems. Physical Review A, 2004, 69, .	1.0	20
525	Complete quantum control of the population transfer branching ratio between two degenerate target states. Journal of Chemical Physics, 2004, 121, 1364-1372.	1.2	16
526	Wavelength Dependence of Liquid-Vapor Interfacial Tension of Ga. Physical Review Letters, 2004, 92, 136102.	2.9	32
527	Anomalous Hydrodynamic Interaction in a Quasi-Two-Dimensional Suspension. Physical Review Letters, 2004, 92, 258301.	2.9	146
528	Adiabatic population transfer in a liquid: Taking advantage of a decaying target state. Journal of Chemical Physics, 2004, 120, 3777-3786.	1.2	15
529	Selective photochemistry via adiabatic passage: Degenerate product states with different lifetimes. Journal of Chemical Physics, 2004, 120, 5117-5127.	1.2	11
530	Measurement-assisted coherent control. Journal of Chemical Physics, 2004, 120, 9984-9988.	1.2	37
531	Nonlinear Dynamic Susceptibilities and Field-Induced Birefringence in Magnetic Particle Assemblies. Advances in Chemical Physics, 2004, , 419-588.	0.3	35
532	Some Properties of â€œMadridâ€•Liquidsâ€. Journal of Physical Chemistry B, 2004, 108, 19640-19646.	1.2	11
533	Variations on adiabatic passage in optical control of molecular processes. Journal of Modern Optics, 2004, 51, 2477-2484.	0.6	1
534	Nucleation in Polymer Crystallization. Advances in Chemical Physics, 2004, , 1-63.	0.3	49
535	Wavepacket Theory of Photodissociation and Reactive Scattering. Advances in Chemical Physics, 2004, , 249-301.	0.3	35
536	Theory of Constrained Brownian Motion. Advances in Chemical Physics, 2004, , 65-189.	0.3	34
537	Superparamagnetism and Spin Glass Dynamics of Interacting Magnetic Nanoparticle Systems. Advances in Chemical Physics, 2004, , 191-248.	0.3	105
538	The Momentum Density Perspective of the Electronic Structure of Atoms and Molecules. Advances in Chemical Physics, 2004, , 303-352.	0.3	33
539	Fragility Metrics in Glass-Forming Liquids. Advances in Chemical Physics, 2004, , 71-103.	0.3	1
540	Molecular Models for Calculation of Dielectric/Far-Infrared Spectra of Liquid Water. Advances in Chemical Physics, 2004, , 65-331.	0.3	10

#	Article	IF	Citations
541	Computational Strategies for Mapping Equilibrium Phase Diagrams. Advances in Chemical Physics, 2004, , 1-64.	0.3	37
542	Foreword by the Guest Editors: Perspectives in the Chemical Sciences (Honoring Prof. Joshua Jortner) PART A. Israel Journal of Chemistry, 2003, 43, NA-NA.	1.0	0
543	Renner-Teller Effect and Spin-Orbit Coupling in Triatomic and Tetraatomic Molecules. Advances in Chemical Physics, 2003, , 583-658.	0.3	28
544	Finite-Size Scaling for Atomic and Molecular Systems. Advances in Chemical Physics, 2003, , 1-99.	0.3	44
545	Control of Quantum Dynamics by Laser Pulses: Adiabatic Floquet Theory. Advances in Chemical Physics, 2003, , 147-267.	0.3	89
546	Itinerant Oscillator Models of Fluids. Advances in Chemical Physics, 2003, , 131-186.	0.3	9
547	Adiabatic Population Transfer with Control Fields. Journal of Physical Chemistry A, 2003, 107, 9937-9945.	1.1	550
548	Calculations of Nonlinear Optical Properties for the Solid State. Advances in Chemical Physics, 2003, , 41-92.	0.3	69
549	Computational Chemistry of Acids. Advances in Chemical Physics, 2003, , 423-468.	0.3	3
550	Electron-Correlated Approaches for the Calculation of NMR Chemical Shifts. Advances in Chemical Physics, 2003, , 355-422.	0.3	79
551	Non-Adiabatic Effects in Chemical Reactions: Extended Born-Oppenheimer Equations and its Applications. Advances in Chemical Physics, 2003, , 143-196.	0.3	30
552	Early Perspectives on Geometric Phase. Advances in Chemical Physics, 2003, , 1-38.	0.3	39
553	Phase diagram of a quasi-two-dimensional colloid assembly. Physical Review E, 2003, 68, 061405.	0.8	21
554	Recent Advances in the Theory of Vibration-Rotation Hamiltonians. Advances in Chemical Physics, 2003, , 269-349.	0.3	22
555	High-Precision Molecular Wave-Packet Interferometry with HgAr Dimers. Physical Review Letters, 2003, 91, 243003.	2.9	95
556	The Electronic Non-Adiabatic Coupling Term in Molecular Systems: A Theoretical Approach. Advances in Chemical Physics, 2003, , 39-142.	0.3	14
557	Proton Transfer and Coherent Phenomena in Molecular Structures with Hydrogen Bonds. Advances in Chemical Physics, 2003, , 351-548.	0.3	17
558	Transition Path Sampling. Advances in Chemical Physics, 2003, , 1-78.	0.3	310

#	Article	IF	Citations
559	Solvent Effects in Nonadiabatic Electron-Transfer Reactions: Theoretical Aspects. Advances in Chemical Physics, 2003, , 511-616.	0.3	64
560	Conical Intersections and the Spin-Orbit Interaction. Advances in Chemical Physics, 2003, , 557-581.	0.3	8
561	The Crude Born-Oppenheimer Adiabatic Approximation of Molecular Potential Energies. Advances in Chemical Physics, 2003, , 505-555.	0.3	0
562	Cooperative Effects in Hydrogen Bonding. Advances in Chemical Physics, 2003, , 469-510.	0.3	65
563	Structure and phase transitions in confined binary colloid mixtures. Journal of Chemical Physics, 2003, 119, 2386-2398.	1.2	25
564	Generalized Quantum Field Theory. Advances in Chemical Physics, 2003, , 277-286.	0.3	0
565	Dynamics of Correlations. A Formalism for Both Integrable and Nonintegrable Dynamical Systems. Advances in Chemical Physics, 2003, , 259-275.	0.3	0
566	Applying Direct Molecular Dynamics to Non-Adiabatic Systems. Advances in Chemical Physics, 2003, , 355-431.	0.3	60
567	A Stochastic Theory of Single Molecule Spectroscopy. Advances in Chemical Physics, 2003, , 199-266.	0.3	23
568	Bridging the Gap between Long Time Trajectories and Reaction Pathways. Advances in Chemical Physics, 2003, , 93-129.	0.3	37
569	Statistical Mechanics of Static and Low-Velocity Kinetic Friction. Advances in Chemical Physics, 2003, , 187-272.	0.3	127
570	Complex States of Simple Molecular Systems. Advances in Chemical Physics, 2003, , 197-282.	0.3	17
571	A Discussion of Some Problems Associated with the Quantum Mechanical Treatment of Open-Shell Molecules. Advances in Chemical Physics, 2003, , 101-146.	0.3	58
572	Intermolecular Interaction: From Properties to Potentials and Back. Advances in Chemical Physics, 2003, , 1-40.	0.3	7
573	Conical Intersections in Molecular Photochemistry: The Phase-Change Approach. Advances in Chemical Physics, 2003, , 433-504.	0.3	7
574	From Coupled Dynamical Systems to Biological Irreversibility. Advances in Chemical Physics, 2003, , 53-73.	0.3	0
575	Permutational Symmetry and the Role of Nuclear Spin in the Vibrational Spectra of Molecules in Doubly Degenerate Electronic States: The Trimers of 2 S Atoms. Advances in Chemical Physics, 2003, , 659-741.	0.3	3
576	Quantum Phenomena of Single Atoms. Advances in Chemical Physics, 2003, , 165-197.	0.3	2

#	Article	IF	Citations
577	Quantum Reaction Dynamics for Multiple Electronic States. Advances in Chemical Physics, 2003, , 283-322.	0.3	23
578	Microphysical Irreversibility and Time Asymmetric Quantum Mechanics. Advances in Chemical Physics, 2003, , 301-320.	0.3	0
579	Diffusion and the PoincarÃ©-Birkhoff Mapping of Chaotic Systems. Advances in Chemical Physics, 2003, , 109-127.	0.3	4
580	Possible Origins of Quantum Fluctuation Given by Alternative Quantization Rules. Advances in Chemical Physics, 2003, , 321-329.	0.3	0
581	Quantum Superpositions and Decoherence: How to Detect Interference of Macroscopically Distinct Optical States. Advances in Chemical Physics, 2003, , 199-213.	0.3	0
582	Properties of Permanent and Transient Chaos in Critical States. Advances in Chemical Physics, 2003, , 49-51.	0.3	0
583	Harmonic Analysis of Unstable Systems. Advances in Chemical Physics, 2003, , 33-47.	0.3	1
584	Irreversibility in Reversible Multibaker Maps-Transport and Fractal Distributions. Advances in Chemical Physics, 2003, , 75-107.	0.3	0
585	Transport Theory for Collective Modes and Green-Kubo Formalism for Moderately Dense Gases. Advances in Chemical Physics, 2003, , 129-159.	0.3	0
586	Non-Markovian Effects in the Standard Map. Advances in Chemical Physics, 2003, , 1-19.	0.3	0
587	Age and Age Fluctuations in an Unstable Quantum System. Advances in Chemical Physics, 2003, , 287-299.	0.3	0
588	New Kinetic Laws of Cluster Formation in N -Body Hamiltonian Systems. Advances in Chemical Physics, 2003, , 161-164.	0.3	0
589	Quantum Decoherence and the Glauber Dynamics from the Stochastic Limit. Advances in Chemical Physics, 2003, , 215-238.	0.3	0
590	CP Violation as Antieigenvector-Breaking. Advances in Chemical Physics, 2003, , 239-258.	0.3	1
591	Dynamics of Chemical Reactions and Chaos. Advances in Chemical Physics, 2003, , 153-198.	0.3	22
592	The Role of Self-Similarity in Renormalization Group Theory. Advances in Chemical Physics, 2003, , 267-354.	0.3	1
593	Chemical Reaction Dynamics: Many-Body Chaos and Regularity. Advances in Chemical Physics, 2003, , 79-152.	0.3	52
594	Electron Nuclear Dynamics. Advances in Chemical Physics, 2003, , 323-353.	0.3	5

#	Article	IF	Citations
595	Thermodynamics of a Simple Hamiltonian Chaotic System. Advances in Chemical Physics, 2003, , 21-32.	0.3	0
596	Deterministic Global Optimization and Ab Initio Approaches for the Structure Prediction of Polypeptides, Dynamics of Protein Folding, and Protein-Protein Interactions. Advances in Chemical Physics, 2002, , 265-457.	0.3	7
597	Equilibrium structure and effective pair interaction in a quasi-one-dimensional colloid liquid. Journal of Chemical Physics, 2002, 116, 3119-3127.	1.2	31
598	Ab Initio Quantum Molecular Dynamics. Advances in Chemical Physics, 2002, , 439-512.	0.3	279
599	Ultrafast Dynamics and Spectroscopy of Bacterial Photosynthetic Reaction Centers. Advances in Chemical Physics, 2002, , 1-88.	0.3	93
600	Evolution Times of Probability Distributions and Averages-Exact Solutions of the Kramers' Problem. Advances in Chemical Physics, 2002, , 357-438.	0.3	40
601	Insights into Specific Problems in Protein Folding Using Simple Concepts. Advances in Chemical Physics, 2002, , 35-76.	0.3	12
602	Morphology of Surfaces in Mesoscopic Polymers, Surfactants, Electrons, or Reaction-Diffusion Systems: Methods, Simulations, and Measurements. Advances in Chemical Physics, 2002, , 141-239.	0.3	28
603	Polymer Melts at Solid Surfaces. Advances in Chemical Physics, 2002, , 89-139.	0.3	43
604	Infrared Lineshapes of Weak Hydrogen Bonds: Recent Quantum Developments. Advances in Chemical Physics, 2002, , 241-309.	0.3	34
605	Population Transfer to a Predissociating Target State Using Pulsed Coherent Excitation:Â Sensitivity to Coupling to Background Statesâ€. Journal of Physical Chemistry A, 2002, 106, 10810-10817.	1.1	8
606	Active control of product selection in a chemical reaction: a view of the current scene. Physical Chemistry Chemical Physics, 2002, 4, 1683-1700.	1.3	23
607	Controllability of population transfer to degenerate states: Analytical and numerical results for a four-level system. Physical Review A, 2002, 66, .	1.0	19
608	Optical control of molecular dynamics in a liquid. Journal of Chemical Physics, 2002, 116, 8028-8035.	1.2	48
609	Protein Recognition by Sequence-to-Structure Fitness: Bridging Efficiency and Capacity of Threading Models. Advances in Chemical Physics, 2002, , 77-130.	0.3	10
610	Statistical Analysis of Protein Folding Kinetics. Advances in Chemical Physics, 2002, , 1-34.	0.3	5
611	A Unified Approach to the Prediction of Protein Structure and Function. Advances in Chemical Physics, 2002, , 131-192.	0.3	9
612	Detecting Native Protein Folds among Large Decoy Sets with the OPLS All-Atom Potential and the Surface Generalized Born Solvent Model. Advances in Chemical Physics, 2002, , 459-486.	0.3	2

#	Article	IF	Citations
613	Knowledge-based Prediction of Protein Tertiary Structure. Advances in Chemical Physics, 2002, , 193-222.	0.3	1
614	Ab Initio Protein Structure Prediction Using a Size-dependent Tertiary Folding Potential. Advances in Chemical Physics, 2002, , 223-263.	0.3	4
615	Two-Center Effects in Ionization by Ion-Impact in Heavy-Particle Collisions. Advances in Chemical Physics, 2002, , 311-356.	0.3	3
616	Variations on the Theme of Stimulated Raman Adiabatic Passagr: Control of Chemical Reactions. ACS Symposium Series, 2002, , 16-31.	0.5	0
617	Dynamical heterogeneity in a dense quasi-two-dimensional colloidal liquid. Journal of Chemical Physics, 2001, 114, 9142-9155.	1.2	74
618	Sequential STIRAP-based control of the HCNâ†'CNH isomerization. Chemical Physics Letters, 2001, 344, 125-137.	1.2	41
619	Interfering for the good of a chemical reaction. Nature, 2001, 409, 422-426.	13.7	79
620	Active Control of Molecular Dynamics: Coherence versus Chaos. Journal of Statistical Physics, 2000, 101, 187-212.	0.5	11
621	Melting transition in a quasi-two-dimensional colloid suspension: Influence of the colloid-colloid interaction. Physical Review E, 2000, 61, 4036-4044.	0.8	46
622	A test of the dependence of an optimal control field on the number of molecular degrees of freedom: HCN isomerization. Journal of Chemical Physics, 2000, 113, 6536-6541.	1.2	52
623	Direct measurements of constrained Brownian motion of an isolated sphere between two walls. Physical Review E, 2000, 62, 3909-3919.	0.8	234
624	The structure of the liquid-vapor interface of a gallium-tin binary alloy. Journal of Chemical Physics, 1999, 111, 2181-2189.	1.2	17
625	Quantum Monte Carlo Simulation Studies of the Structures of the Liquidâ"Vapor Interfaces of Sn and Pb. Journal of Physical Chemistry A, 1999, 103, 10159-10165.	1.1	4
626	Computer simulation study of the structure of the liquid-vapor interface of mercury at 20, 100, and 200 Â°C. Physical Review E, 1999, 59, 479-491.	0.8	34
627	Controlling quantum wavepacket motion in reduced-dimensional spaces: reaction path analysis in optimal control of HCN isomerization. Faraday Discussions, 1999, 113, 319-331.	1.6	31
628	Computational Chemistry in the Undergraduate Chemistry Curriculum: Development of a Comprehensive Course Formula. Journal of Chemical Education, 1999, 76, 1023.	1.1	16
629	Selective photochemistry via adiabatic passage:â€ƒAn extension of stimulated Raman adiabatic passage for degenerate final states. Physical Review A, 1998, 57, 2885-2894.	1.0	75
630	Phase transitions in a quasi-two-dimensional system. Physical Review E, 1998, 58, 7529-7544.	0.8	59

#	Article	IF	Citations
631	Structure of the liquidâ€“vapor interface of a metal from a simple model potential: Corresponding states of the alkali metals. Journal of Chemical Physics, 1998, 109, 768-778.	1.2	43
632	Equivalence of the Kobrakâ€“Rice photoselective adiabatic passage and the Brumerâ€“Shapiro strong field methods for control of product formation in a reaction. Journal of Chemical Physics, 1998, 109, 1-10.	1.2	63
633	Comparison of the structures of the liquid-vapor interfaces of Al, Ga, In, and Tl. Journal of Chemical Physics, 1998, 109, 1959-1965.	1.2	19
634	Quantum Monte Carlo simulations of the structure in the liquidâ€“vapor interface of BiGa binary alloys. Journal of Chemical Physics, 1998, 108, 5055-5067.	1.2	29
635	Coherent population transfer via a resonant intermediate state:â€ƒThe breakdown of adiabatic passage. Physical Review A, 1998, 57, 1158-1163.	1.0	39
636	A synchrotron x-ray liquid surface spectrometer. Review of Scientific Instruments, 1997, 68, 4372-4384.	0.6	102
637	The influence of high-frequency modes on two pulse spectroscopy. Journal of Chemical Physics, 1997, 107, 4091-4098.	1.2	0
638	Structure of the liquidâ€“vapor interface of a Sn:Ga alloy. Journal of Chemical Physics, 1997, 107, 4051-4060.	1.2	42
639	Theoretical Studies of the Structures of the Liquid-Vapor Interfaces of Metals and Binary Alloys. Materials Research Society Symposia Proceedings, 1997, 492, 3.	0.1	2
640	Phase transitions in a confined quasi-two-dimensional colloid suspension. Physical Review E, 1997, 55, 637-656.	0.8	120
641	ACTIVE CONTROL OF THE DYNAMICS OF ATOMS AND MOLECULES. Annual Review of Physical Chemistry, 1997, 48, 601-641.	4.8	350
642	New approaches to a classical theory of unimolecular reaction rate. International Journal of Quantum Chemistry, 1996, 58, 593-635.	1.0	13
643	Molecular dynamics studies of Langmuir monolayers of F(CF2)20F. Journal of Chemical Physics, 1996, 104, 2114-2123.	1.2	13
644	Infrared spectroscopic studies of structure and phase transitions in a Langmuir monolayer of H(CH2)23COOH. Journal of Chemical Physics, 1996, 104, 6860-6876.	1.2	15
645	The influence of highâ€frequency modes on ultrashort pulse absorption initiated processes. Journal of Chemical Physics, 1996, 105, 9403-9411.	1.2	2
646	A generalized approach to the control of the evolution of a molecular system. Journal of Chemical Physics, 1996, 104, 5457-5471.	1.2	38
647	Surface segregation and layering in the liquidâ€“vapor interface of a dilute bismuth:gallium alloy. Journal of Chemical Physics, 1996, 104, 4802-4805.	1.2	67
648	Molecular dynamics studies of Langmuir monolayers of F(CF2)11COOH. Journal of Chemical Physics, 1996, 104, 2101-2113.	1.2	22

#	Article	IF	Citations
649	Structure and equation of state of a long chain amphiphile monolayer adsorbed on ice Ih: A molecular dynamics study. Journal of Chemical Physics, 1996, 104, 1684-1692.	1.2	2
650	Backbone ordering in amphiphile monolayers. Journal of Chemical Physics, 1995, 103, 5792-5801.	1.2	9
651	Selfâ€consistent Monte Carlo simulation of the electron and ion distributions in the liquidâ€“vapor interface of magnesium. Journal of Chemical Physics, 1994, 101, 8094-8097.	1.2	25
652	Remark concerning the theory of the tilting transition in expanded Langmuir monolayers. Journal of Chemical Physics, 1994, 101, 2508-2514.	1.2	10
653	On the classical theory of the rate of isomerization of HCN. Journal of Chemical Physics, 1994, 101, 8737-8746.	1.2	28
654	Formation of an ordered Langmuir monolayer by a non-polar chain molecule. Nature, 1994, 367, 151-153.	13.7	100
655	Intermediate ordering in a liquid supported monolayer: A molecular dynamics study. Journal of Chemical Physics, 1993, 99, 7020-7029.	1.2	17
656	Infrared external reflection spectroscopy of adsorbates on dielectric substrates: Determining adsorbate orientation in Langmuir monolayers. Journal of Chemical Physics, 1993, 98, 5825-5834.	1.2	23
657	Comment on molecular dynamics simulations of monolayers of fluorinated amphiphiles. Journal of Chemical Physics, 1993, 98, 3469-3474.	1.2	47
658	Reaction path analysis of the rate of unimolecular isomerization. Journal of Chemical Physics, 1993, 99, 9585-9590.	1.2	10
659	Infrared external reflection spectroscopic studies of phase transitions in Langmuir monolayers of heneicosanol. Journal of Chemical Physics, 1993, 98, 5835-5846.	1.2	59
660	A molecular dynamics study of the structure of a long chain amphiphile monolayer adsorbed on ice Ih. Journal of Chemical Physics, 1993, 99, 4160-4167.	1.2	6
661	Evanescent wave light scattering study of a diblock copolymer adsorbed at the air/water interface. Journal of Chemical Physics, 1993, 98, 6561-6563.	1.2	12
662	Infrared external reflection spectroscopic studies of phase transitions in Langmuir monolayers of stearyl alcohol. Journal of Chemical Physics, 1993, 99, 7030-7037.	1.2	26
663	Comment on the rate of isomerization of 3â€phospholene. Journal of Chemical Physics, 1993, 98, 2837-2843.	1.2	7
664	Comment on the rate of isomerization in molecules with a symmetric triple well potential. Journal of Chemical Physics, 1992, 97, 8188-8196.	1.2	20
665	Comment on the rate of vibrational predissociation of some RgCl2 and RgICl molecules. Journal of Chemical Physics, 1992, 96, 7483-7489.	1.2	11
666	A grazing incidence xâ€ray diffraction study of the transverse structure function of the liquidâ€“vapor interface of Ga. Journal of Chemical Physics, 1992, 96, 4743-4749.	1.2	29

#	Article	IF	Citations
667	Molecularâ€dynamics studies of the structure and properties of monolayers of perfluorinated amphiphiles. Journal of Chemical Physics, 1992, 96, 4735-4742.	1.2	63
668	A molecular dynamics study of the packing structures in monolayers of partially fluorinated amphiphiles. Journal of Chemical Physics, 1992, 96, 1352-1366.	1.2	79
669	Unimolecular fragmentation rate theory revisited: An improved classical theory. Journal of Chemical Physics, 1992, 96, 3542-3548.	1.2	17
670	An approximate classical unimolecular reaction rate theory. Journal of Chemical Physics, 1992, 96, 6654-6665.	1.2	29
671	Comment on the tilting transition in Langmuir monolayers. Journal of Chemical Physics, 1992, 96, 6229-6235.	1.2	12
672	Comment on the classical theory of the rate of isomerization. Journal of Chemical Physics, 1992, 97, 943-951.	1.2	15
673	Molecular dynamics studies of the liquidâ€“vapor interface of water. Journal of Chemical Physics, 1991, 94, 2207-2218.	1.2	126
674	Fluorescenceâ€detected wave packet interferometry: Time resolved molecular spectroscopy with sequences of femtosecond phaseâ€locked pulses. Journal of Chemical Physics, 1991, 95, 1487-1511.	1.2	539
675	Comment concerning the optimum control of transformations in an unbounded quantum system. Journal of Chemical Physics, 1991, 95, 2465-2472.	1.2	18
676	A generalization of the method of stimulated emission pumping. International Journal of Quantum Chemistry, 1991, 39, 325-330.	1.0	0
677	Unimolecular Reactions Revisited. Israel Journal of Chemistry, 1990, 30, 23-37.	1.0	8
678	The influence of the structure of the surface of a liquid on the properties of a supported monolayer. Journal of Chemical Physics, 1990, 93, 5247-5256.	1.2	5
679	An interpretation of the multiple fluidâ€“fluid transitions in liquid supported amphiphile monolayers. Journal of Chemical Physics, 1990, 92, 1427-1434.	1.2	33
680	An interpretation of the bifurcation of orientational relaxation processes in a supercooled liquid. Journal of Chemical Physics, 1990, 93, 8991-9001.	1.2	19
681	Uniaxial compression induced collective tilting and distortedâ€hexagonal structure in Langmuir monolayers. Journal of Chemical Physics, 1990, 92, 1495-1497.	1.2	4
682	Light scattering with evanescent waves: Intermolecular interference and the structure factor for an ideal flexible chain at an interacting interface. Journal of Chemical Physics, 1990, 93, 2785-2800.	1.2	6
683	Influence of vibrational frequency mismatch on phaseâ€space bottlenecks to intramolecular energy redistribution and molecular fragmentation. Journal of Chemical Physics, 1990, 92, 1775-1789.	1.2	25
684	On using shaped light pulses to control the selectivity of product formation in a chemical reaction: An application to a multiple level system. Journal of Chemical Physics, 1990, 93, 1670-1680.	1.2	107

#	Article	IF	Citations
685	A study of the influence of an amphiphile monolayer on the structure of the supporting liquid. Journal of Chemical Physics, 1989, 90, 6716-6729.	1.2	6
686	Semiclassical quantization of the scattering from a classically chaotic repellor. Journal of Chemical Physics, 1989, 90, 2242-2254.	1.2	183
687	Light scattering with incident evanescent waves: A method for studying the properties of adsorbed polymers. Journal of Chemical Physics, 1989, 90, 3469-3478.	1.2	14
688	Exact quantization of the scattering from a classically chaotic repellor. Journal of Chemical Physics, 1989, 90, 2255-2262.	1.2	158
689	Kinetics of a structural phase transition in Langmuir monolayers studied using xâ€ray diffraction. Journal of Chemical Physics, 1989, 90, 2393-2397.	1.2	42
690	Scattering from a classically chaotic repellor. Journal of Chemical Physics, 1989, 90, 2225-2241.	1.2	324
691	Hamiltonian mapping models of molecular fragmentation. The Journal of Physical Chemistry, 1989, 93, 6947-6957.	2.9	32
692	A lattice model of a liquid supported monolayer of amphiphile molecules: Meanâ€field analysis. Journal of Chemical Physics, 1988, 88, 1290-1297.	1.2	25
693	Direct measurements of vibrational predissociation of pâ€difluorobenzeneâ€“argon. Journal of Chemical Physics, 1988, 89, 5624-5641.	1.2	65
694	Ensemble dephasing in vibrationally excited jetâ€cooled tetrazine and its complexes with Ar, Kr, and Xe. Journal of Chemical Physics, 1988, 88, 6107-6119.	1.2	23
695	On the structure of the liquid metalâ€“polar adsorbate interface: Monte Carlo simulations. Journal of Chemical Physics, 1988, 89, 2427-2434.	1.2	6
696	A lattice model of a supported monolayer of amphiphile molecules: Monte Carlo simulations. Journal of Chemical Physics, 1988, 88, 1298-1306.	1.2	135
697	A molecular dynamics study of the structure of a model Langmuir monolayer of amphiphile molecules. Journal of Chemical Physics, 1988, 89, 5898-5908.	1.2	101
698	Intramolecular vibrational relaxation in the S0 state of sâ€tetrazineâ€“X (X=Ar, Kr, Xe). Journal of Chemical Physics, 1988, 88, 6120-6133.	1.2	63
699	On the stability of the infinite dimensional fluid of hard hyperspheres: A statistical mechanical estimate of the density of closest packing of simple hypercubic lattices in spaces of large dimensionality. Journal of Chemical Physics, 1988, 88, 1177-1184.	1.2	21
700	van der Waals bond stretch and bend frequencies in the molecules tetrazineâ€“X (X=Xe, Kr, and Ar). Journal of Chemical Physics, 1988, 88, 6082-6091.	1.2	33
701	A generalized regular solution model of a liquid supported monolayer of long chain amphiphile molecules. Journal of Chemical Physics, 1988, 88, 1279-1289.	1.2	19
702	How Robust are Bottlenecks to Unimolecular Fragmentation?. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1988, 92, 227-235.	0.9	10

#	Article	IF	Citations
703	Systematic features of the energy dependence of radiationless processes in large molecules: The substituted naphthalenes. Journal of Chemical Physics, 1987, 87, 269-283.	1.2	53
704	Lifetimes of degenerate benzene 1B2u levels split by vibrational angular momentum. Journal of Chemical Physics, 1987, 86, 2576-2587.	1.2	13
705	On the use of xâ€ray reflectivity and fluorescence as probes of the longitudinal structure of the liquidâ€“vapor interface. Journal of Chemical Physics, 1987, 86, 3655-3666.	1.2	7
706	Phase space bottlenecks and statistical theories of isomerization reactions. Journal of Chemical Physics, 1987, 86, 2020-2035.	1.2	75
707	A selfâ€consistent Monte Carlo simulation of the electron and ion distributions in the liquidâ€“vapor interface of a simple metal. Journal of Chemical Physics, 1987, 86, 1067-1069.	1.2	11
708	Comment on the pair correlation function in an inhomogeneous liquid: A test of the Fischer approximation. Journal of Chemical Physics, 1987, 86, 5731-5733.	1.2	14
709	The distribution of rings of hydrogenâ€bonded molecules in a model of liquid water. Journal of Chemical Physics, 1987, 86, 5676-5682.	1.2	124
710	Selfâ€consistent Monte Carlo simulations of the electron and ion distributions of inhomogeneous liquid alkali metals. I. Longitudinal and transverse density distributions in the liquidâ€“vapor interface of a oneâ€component system. Journal of Chemical Physics, 1987, 87, 3069-3081.	1.2	79
711	An experimental study of the inâ€plane distribution of atoms in the liquidâ€“vapor interface of mercury. Journal of Chemical Physics, 1987, 86, 1036-1047.	1.2	47
712	Intramolecular vibrational energy relaxation induced by van der Waals molecule fragmentation: The systems C6H6â^'nDnâ‹…He1,2. Journal of Chemical Physics, 1987, 86, 3292-3300.	1.2	14
713	Self-consistent Monte Carlo simulations of the electron and ion distributions of inhomogeneous liquid alkali metals. II. Longitudinal and transverse density distributions in the liquid-vapor interface of binary metallic alloys. Journal of Statistical Physics, 1987, 48, 1109-1128.	0.5	31
714	Coherent pulse sequence induced control of selectivity of reactions: Exact quantum mechanical calculations. Journal of Chemical Physics, 1986, 85, 5805-5820.	1.2	639
715	The vibrational spectrum of the water dimer: Some model based predictions. Journal of Chemical Physics, 1986, 84, 3042-3048.	1.2	23
716	Bottlenecks to unimolecular reactions and an alternative form for classical RRKM theory. The Journal of Physical Chemistry, 1986, 90, 3470-3482.	2.9	130
717	Distribution of atoms at the surface of liquid mercury. Nature, 1986, 321, 685-687.	13.7	33
718	Fractal behavior in classical collisional energy transfer. Journal of Chemical Physics, 1986, 84, 2649-2652.	1.2	118
719	The classical mechanics of vibrational predissociation: A model based study of phase space structure and its influence on fragmentation rates. Journal of Chemical Physics, 1986, 84, 3745-3752.	1.2	73
720	Comment on the lattice mode spectra of STâ€2 potential models of proton ordered ices. Journal of Chemical Physics, 1985, 82, 1058-1059.	1.2	5

#	Article	IF	Citations
721	A comment on the consistency of truncated nonlinear integral equation based theories of freezing. Journal of Chemical Physics, 1985, 83, 2376-2383.	1.2	21
722	Surface structure: X-ray reflection from liquids. Nature, 1985, 316, 108-108.	13.7	14
723	Wave packet evolution in isolated pyrazine molecules: Coherence triumphs over chaos. Journal of Chemical Physics, 1985, 82, 1073-1078.	1.2	12
724	A scattering resonance description of very low energy collision induced vibrational relaxation. Journal of Chemical Physics, 1985, 83, 2818-2828.	1.2	23
725	Rotational state dependence of pyrazine fluorescence: Initial decays for the vibrationless 1B3u state. Journal of Chemical Physics, 1985, 82, 1067-1072.	1.2	65
726	Picosecond CARS as a probe of ground electronic state intramolecular vibrational redistribution. Journal of Chemical Physics, 1985, 83, 6158-6164.	1.2	28
727	Control of selectivity of chemical reaction via control of wave packet evolution. Journal of Chemical Physics, 1985, 83, 5013-5018.	1.2	912
728	Structure of the liquidâ€“vapor interface of water. Journal of Chemical Physics, 1985, 82, 4391-4392.	1.2	87
729	1B2uâ†”1A1g spectroscopy of jetâ€cooled benzene: Single vibronic level fluorescence studies. Journal of Chemical Physics, 1984, 81, 1060-1072.	1.2	112
730	Freezing of the classical twoâ€dimensional, oneâ€component plasma. Journal of Chemical Physics, 1984, 81, 1406-1415.	1.2	19
731	Vibrational state dependence of radiationless processes in 1B2u benzene. Journal of Chemical Physics, 1984, 81, 1073-1082.	1.2	60
732	Shotâ€noiseâ€limited detection scheme for twoâ€beam laser spectroscopies. Review of Scientific Instruments, 1984, 55, 64-67.	0.6	58
733	Model based calculations of the lattice mode spectra of ice Ih and amorphous solid water. Journal of Chemical Physics, 1984, 81, 5288-5301.	1.2	25
734	Relaxation dynamics of photoexcited benzeneâ€“rare gas van der Waals complexes. Journal of Chemical Physics, 1984, 81, 1083-1101.	1.2	112
735	Calculations of the lattice mode spectra of proton ordered ices: A test of the accuracy of waterâ€“water potentials. Journal of Chemical Physics, 1984, 80, 4456-4463.	1.2	29
736	Comment on vibrational energy redistribution in the isolated dimethyltetrazine dimer. Journal of Chemical Physics, 1984, 81, 2295-2296.	1.2	9
737	Comment on the structures of the liquidâ€“vapor interfaces of Na and Naâ€“Cs alloys. Journal of Chemical Physics, 1984, 80, 6318-6323.	1.2	31
738	Xâ€ray total external reflectanceâ€“diffraction as a probe of the structure of the liquidâ€“vapor interface. Journal of Chemical Physics, 1983, 79, 2482-2486.	1.2	11

#	Article	IF	Citations
739	A generalization of the Ewaldâ€“Oseen extinction theorem: Relation to surface polariton modes. Journal of Chemical Physics, 1983, 78, 7386-7389.	1.2	0
740	Experimental and theoretical studies of the density profile in the liquidâ€“vapor interface of Cs. Journal of Chemical Physics, 1983, 78, 1611-1613.	1.2	24
741	SVL fluorescence spectroscopy and collisionâ€induced intramolecular vibrational energy transfer in 1B1 difluorodiazirine. Journal of Chemical Physics, 1983, 79, 4845-4862.	1.2	13
742	A theoretical analysis of very low energy collision induced vibrational relaxation in the system Heâ€“I2 (3Î0u+). Journal of Chemical Physics, 1983, 78, 4952-4957.	1.2	25
743	The OH stretching spectrum of liquid water: A random network model interpretation. Journal of Chemical Physics, 1983, 78, 4817-4823.	1.2	75
744	A study of the freezing transition in the Lennardâ€Jones system. Journal of Chemical Physics, 1983, 79, 6222-6228.	1.2	18
745	Triplet correlation functions in the Lennardâ€Jones fluid: Tests against molecular dynamics simulations. Journal of Chemical Physics, 1983, 78, 388-398.	1.2	63
746	Atomâ€“molecule collisions at very low energies: A correlation function approach. Journal of Chemical Physics, 1983, 78, 4929-4937.	1.2	9
747	Theory of the electrical conductivity in the liquidâ€“vapor interface of a simple metal. Journal of Chemical Physics, 1983, 79, 5652-5657.	1.2	9
748	Contribution to the theory of freezing. Journal of Chemical Physics, 1983, 79, 5595-5604.	1.2	49
749	A pseudoatom theory for the liquidâ€“vapor interface of simple metals: Computer simulation studies of sodium and cesium. Journal of Chemical Physics, 1983, 78, 5225-5249.	1.2	100
750	A study of the liquidâ€“vapor interface of mercury: Computer simulation results. Journal of Chemical Physics, 1983, 78, 5081-5095.	1.2	101
751	An xâ€ray reflectance study of the liquidâ€“vapor interface of Cs. Journal of Chemical Physics, 1983, 79, 5658-5672.	1.2	51
752	Classical trajectory studies of energy transfer in Arâ€“difluorodiazirine collisions. Journal of Chemical Physics, 1983, 79, 4863-4876.	1.2	17
753	Very low energy collision induced vibrational relaxation of 1Au glyoxal. Journal of Chemical Physics, 1983, 78, 3935-3941.	1.2	25
754	An improved analysis of the OH stretching spectrum of amorphous solid water. Journal of Chemical Physics, 1983, 78, 4824-4827.	1.2	21
755	An improved analysis of the OH stretching region of the vibrational spectrum of ice Ih. Journal of Chemical Physics, 1982, 77, 583-602.	1.2	74
756	The Ewaldâ€“Oseen theorem in the xâ€ray frequency region: A microscopic analysis. Journal of Chemical Physics, 1982, 76, 5278-5282.	1.2	25

#	Article	IF	Citations
757	Modeâ€toâ€mode energy transfer in1B2aniline induced by very low energy collisions with He. Journal of Chemical Physics, 1982, 76, 3513-3523.	1.2	26
758	Some properties of large amplitude motion in an anharmonic chain with nearest neighbor interactions. Journal of Chemical Physics, 1982, 77, 2607-2622.	1.2	30
759	Tests of effective pair potentials for water: Predicted ice structures. Journal of Chemical Physics, 1982, 76, 650-660.	1.2	135
760	Analysis of scattering data for liquid neon: The isothermal density derivative of the pair correlation function. Journal of Chemical Physics, 1982, 76, 661-665.	1.2	15
761	Structural test for intermolecular force models of crystalline HC1. Molecular Physics, 1981, 43, 1451-1457.	0.8	6
762	Intermediate case radiationless decay: the excited state dynamics of pyrazine. Chemical Physics, 1981, 60, 335-345.	0.9	62
763	An accurate integral equation for the pair and triplet distribution functions of a simple liquid. Journal of Chemical Physics, 1981, 74, 3033-3041.	1.2	75
764	A test of the accuracy of an effective pair potential for liquid water. Journal of Chemical Physics, 1981, 74, 6514-6516.	1.2	32
765	A study of the rotational state dependence of predissociation of a polyatomic molecule: The case of ClO2. Journal of Chemical Physics, 1981, 74, 3089-3101.	1.2	45
766	Fluorescence spectroscopy of cold and warm naphthalene molecules: Some new vibrational assignments. Journal of Chemical Physics, 1981, 75, 5685-5693.	1.2	80
767	Intramolecular vibrational energy transfer in 1B2 aniline induced by collisions with H2O and CH3F. Journal of Chemical Physics, 1981, 74, 4888-4892.	1.2	18
768	Collision induced intramolecular energy transfer: The Heâ€“1B2 aniline system. Journal of Chemical Physics, 1981, 75, 1046-1048.	1.2	6
769	The influence of quantization on the onset of chaos in Hamiltonian systems: The Kolmogorov entropy interpretation. Journal of Chemical Physics, 1981, 74, 1340-1349.	1.2	87
770	Triplet correlations in the Lennardâ€Jones fluid. Journal of Chemical Physics, 1981, 75, 4696-4706.	1.2	52
771	Single vibronic level fluorescence from 1B3u pyrazine: The role of Fermi resonance and Duschinski rotation. Journal of Chemical Physics, 1981, 74, 4893-4906.	1.2	49
772	A correlation diagram model for interpreting propensity rules in collision induced vibrational relaxation. Journal of Chemical Physics, 1981, 74, 4918-4929.	1.2	19
773	Collision induced intramolecular vibrational energy transfer in 1B3u pyrazine. Journal of Chemical Physics, 1981, 74, 4907-4917.	1.2	47
774	Dynamical correlations and chaos in classical Hamiltonian systems. Journal of Chemical Physics, 1981, 74, 1947-1955.	1.2	39

#	Article	IF	Citations
775	Comments on a semigroup formalism for the description of phase and population relaxation processes. Journal of Chemical Physics, 1980, 72, 4591-4599.	1.2	41
776	The influence of rotational motion on intersystem crossing in isolated molecules. Journal of Chemical Physics, 1980, 73, 858-864.	1.2	33
777	The mean spherical approximation and effective pair potentials in liquids. Journal of Chemical Physics, 1980, 72, 4208-4215.	1.2	108
778	A random network model calculation of the free energy of liquid water. Journal of Chemical Physics, 1980, 72, 6183-6191.	1.2	37
779	Mode dependent enhanced vibrational relaxation in low energy Heâ€“1B2 aniline collisions. Journal of Chemical Physics, 1980, 73, 5897-5898.	1.2	9
780	The enthalpy and heat capacity of liquid water and the ice polymorphs from a random network model. Journal of Chemical Physics, 1980, 72, 3248-3259.	1.2	38
781	Collision induced relaxation of an electronically excited molecule: Evidence for low energy resonance enhanced vibrational deactivation. Journal of Chemical Physics, 1980, 72, 5733-5743.	1.2	61
782	The waterâ€“water pair potential near the hydrogen bonded equilibrium configuration. Journal of Chemical Physics, 1980, 72, 3236-3247.	1.2	118
783	The entropy of liquid water from the random network model. Journal of Chemical Physics, 1980, 72, 3260-3262.	1.2	40
784	Collision induced intramolecular vibrational energy transfer in 1B2 aniline. Journal of Chemical Physics, 1979, 70, 2521-2541.	1.2	59
785	Low energy collisional relaxation of I*2 in He:Evidence for resonance enhanced vibrational deactivation. Journal of Chemical Physics, 1979, 70, 3136-3137.	1.2	51
786	Single vibronic level fluoresence from aniline. Journal of Chemical Physics, 1979, 70, 2511-2520.	1.2	75
787	On the role of Fermi resonance in the spectrum of water in its condensed phases. Journal of Chemical Physics, 1979, 71, 983-990.	1.2	73
788	Angular momentum constraints in radiationless processes: The symmetric top molecule. Journal of Chemical Physics, 1979, 71, 4680-4687.	1.2	18
789	A zeroth order random network model of liquid water. Journal of Chemical Physics, 1979, 70, 3927-3938.	1.2	107
790	The intramolecular potential of water molecules engaged in hydrogen bonding from analysis of the overtone spectrum of ice I. Journal of Chemical Physics, 1979, 71, 973-982.	1.2	53
791	Spectroscopic properties of polyenes. III. 1,3,5,7â€Octatetraene. Journal of Chemical Physics, 1978, 68, 522-529.	1.2	133
792	The OH stretching region infrared spectra of low density amorphous solid water and polycrystalline ice Ih. Journal of Chemical Physics, 1978, 69, 3477-3482.	1.2	142

#	Article	IF	Citations
793	Determination of the density profile in the liquidâ€“vapor interface near the triple point. Journal of Chemical Physics, 1978, 68, 5558-5567.	1.2	96
794	On the influence of nonrandom sequential coupling on radiationless relaxation processes. Journal of Chemical Physics, 1978, 69, 1619-1625.	1.2	17
795	On the existence of a nonmonotone surface ion density in liquid metals: Perturbative introduction of discrete ions into jellium. Journal of Chemical Physics, 1978, 68, 5053-5061.	1.2	22
796	On the Relationships between Low-Density Amorphous Solid Water and Ice Ih. Journal of Glaciology, 1978, 21, 509-535.	1.1	0
797	On the Relationships between Low-Density Amorphous Solid Water and Ice Ih. Journal of Glaciology, 1978, 21, 509-535.	1.1	9
798	On the existence of a nonmonotonic nuclear density profile at the jelliumâ€“vacuum interface. Journal of Chemical Physics, 1977, 67, 5105-5110.	1.2	36
799	An experimental and theoretical study of the dispersion of the site shift surface exciton on anthracene crystals. Journal of Chemical Physics, 1977, 66, 4486-4492.	1.2	14
800	Large amplitude vibrational motion in a one dimensional chain: Coherent state representation. Journal of Chemical Physics, 1977, 67, 1418-1426.	1.2	44
801	Surface polaritons on molecular crystals: An experimental study of anthracene. Journal of Chemical Physics, 1977, 66, 2984-2993.	1.2	29
802	Theory of photochemical isomerization in polyenes. Journal of Chemical Physics, 1976, 64, 1612-1617.	1.2	14
803	Nonlinear resonance and stochasticity in intramolecular energy exchange. Journal of Chemical Physics, 1976, 65, 1676-1683.	1.2	132
804	On the use of Raman scattering to probe excitonâ€“phonon coupling in molecular crystals. Journal of Chemical Physics, 1975, 62, 1098-1110.	1.2	2
805	The stimulated Raman spectrum of water and its relationship to liquid structure. Journal of Chemical Physics, 1975, 63, 5390-5400.	1.2	38
806	Influence of large amplitude vibrational motion on the rate of intersystem crossing: A study of single vibronic level fluorescence from anilineâ€h7, aniline N, Nâ€d2, anilineâ€d5, and anilineâ€d7. Journal of Chemical Physics, 1974, 61, 1730-1747.	1.2	65
807	Nonradiative processes in p â€C6H4F2 and m â€C6H4F2. Journal of Chemical Physics, 1974, 61, 661-665.	1.2	44
808	Random coupling model for molecular dissociation. Journal of Chemical Physics, 1974, 61, 936-946.	1.2	56
809	Intramolecular energy transfer in cisâ€trans isomerization: A study of fluorescence from single vibronic levels of styrene, transâ€Î²â€styreneâ€d1, styreneâ€d8, and ethynlbenzene. Journal of Chemical Physics, 1974, 61, 833-842.	1.2	64
810	Fluorescence lifetimes of individual vibronic levels of partially deuterated benzenes: A further test of the theory of radiationless processes. Journal of Chemical Physics, 1974, 61, 651-660.	1.2	47

#	Article	IF	Citations
811	Quantum ergodicity and vibrational relaxation in isolated molecules. II. Î»â€independent effects and relaxation to the asymptotic limit. Journal of Chemical Physics, 1974, 61, 768-779.	1.2	111
812	Quantum ergodicity and vibrational relaxation in isolated molecules. Journal of Chemical Physics, 1974, 61, 203-223.	1.2	192
813	Spectroscopic properties of polyenes. II. The vacuum ultraviolet spectra of cisâ€and transâ€1,3,5â€hexatriene. Journal of Chemical Physics, 1974, 60, 3231-3237.	1.2	86
814	Reactions of F atoms and aromatic and heterocyclic molecules: Energy distribution in the reaction complex. Journal of Chemical Physics, 1973, 59, 1435-1448.	1.2	58
815	Crossed molecular beams study of the reaction F + {C2H2Cl2} â† ' Cl + {C2H2ClF}. Journal of Chemical Physics, 1973, 59, 6104-6111.	1.2	26
816	Intramolecular vibrational energy transfer: A study of representations. Journal of Chemical Physics, 1973, 58, 4852-4862.	1.2	18
817	ITFITS model for vibrationâ€translation energy partitioning in atomâ€polyatomic molecule collisions. Journal of Chemical Physics, 1973, 59, 2483-2489.	1.2	19
818	Unimolecular decomposition of longâ€lived complexes of fluorine and substituted monoâ€olefins, cyclic olefins, and dienes. Journal of Chemical Physics, 1973, 59, 1416-1426.	1.2	47
819	Unimolecular decomposition of the longâ€lived complex formed in the reaction F+C4H8. Journal of Chemical Physics, 1973, 59, 1402-1415.	1.2	93
820	Laboratory angular dependence and the recoilâ€energy spectrum of the products of the reaction F+C6D6â† ' D+C6D5F. Journal of Chemical Physics, 1973, 59, 1427-1434.	1.2	45
821	Interference Effects in the Rydberg Spectra of Naphthalene and Benzene. Journal of Chemical Physics, 1972, 56, 295-302.	1.2	40
822	Random Matrix Theory and the Master Equation for Finite Systems. Journal of Chemical Physics, 1972, 57, 4699-4712.	1.2	56
823	Some Theoretical Results for the Photochemical Decomposition of Large Molecules. Journal of Chemical Physics, 1972, 57, 3041-3047.	1.2	32
824	Lifetimes and Quantum Yields of Individual Vibronic States of C6D6and C6H5F. Journal of Chemical Physics, 1972, 56, 2291-2308.	1.2	104
825	Study of the Lifetimes of Individual Vibronic States of the Isolated Benzene Molecule. Journal of Chemical Physics, 1971, 55, 5561-5581.	1.2	256
826	Correlation of Piâ€Electron Density with Vibrational Frequencies of Linear Polyenes. Journal of Chemical Physics, 1971, 55, 2675-2681.	1.2	60
827	Study of Impurityâ€"Host Coupling in Shpolskii Matrices. Journal of Chemical Physics, 1971, 54, 2014-2023.	1.2	102
828	Boltzmann statistics and radiationless decay in large molecules: Optical selection studies. Chemical Physics Letters, 1970, 6, 345-351.	1.2	72

#	Article	IF	Citations
829	Internal Rotation and the Breakdown of the Adiabatic Approximation: Manyâ€Phonon Radiationless Transitions. Journal of Chemical Physics, 1970, 52, 2460-2473.	1.2	126
830	Frenkel Excitons in a Vibrating Molecular Crystal. Journal of Chemical Physics, 1970, 52, 2089-2098.	1.2	71
831	Study of the Reflection Spectrum of Crystalline Anthracene: Evidence for the Existence of Defects. Journal of Chemical Physics, 1970, 52, 5149-5158.	1.2	27
832	Conjecture Concerning the Width of the Lowest Singletâ€“Singlet Transition in Crystalline Anthracene. Journal of Chemical Physics, 1970, 52, 4279-4287.	1.2	25
833	Stochastic Theory of Vibrational Relaxation and Dissociation. Journal of Chemical Physics, 1970, 52, 5718-5732.	1.2	30
834	Perturbation Treatment of the Equation of State of Simple Mixtures. Journal of Chemical Physics, 1970, 52, 4475-4479.	1.2	1
835	Elementary Model of the Broadening of Localized Transitions in a Simple Liquid. Journal of Chemical Physics, 1970, 52, 5622-5627.	1.2	1
836	Theory of Electron Transport in Disordered Systems: The Nearly Freeâ€Electron and Nearly Boundâ€Electron Limits. Journal of Chemical Physics, 1969, 51, 3352-3360.	1.2	2
837	Some Formal Results in a Theory of Molecular Rearrangements: Photoisomerism. Journal of Chemical Physics, 1969, 50, 4775-4786.	1.2	30
838	Couplingâ€Parameter Expansion in the Kirkwood Integral Equation for Dense Fluids. Journal of Chemical Physics, 1969, 51, 4414-4421.	1.2	5
839	Analysis of The Most Probable Path Description of Irreversible Processes. Journal of Chemical Physics, 1969, 51, 368-376.	1.2	0
840	Use of Pseudopotentials in Atomicâ€Structure Calculations. Journal of Chemical Physics, 1968, 49, 2741-2755.	1.2	104
841	Reâ€examination of the Theoretical Interpretations of the Spectra of Crystalline Benzene and Naphthalene. Journal of Chemical Physics, 1968, 48, 5667-5682.	1.2	17
842	Theory of Radiationless Transitions in an Isolated Molecule. Journal of Chemical Physics, 1968, 49, 610-621.	1.2	77
843	Use of Model Potentials in the Study of Molecular Rydberg States. Journal of Chemical Physics, 1968, 48, 495-502.	1.2	33
844	Cooperative Excitons in a Crystal with Two Molecules per Unit Cell. Journal of Chemical Physics, 1968, 49, 4345-4355.	1.2	9
845	Secular Behavior and Friedman's Multipleâ€Timeâ€Scale Theory of Irreversible Processes. Journal of Chemical Physics, 1968, 49, 1697-1704.	1.2	3
846	Theoretical Study of the Lowâ€Energy Photoionization of Large Molecules: Benzene. Journal of Chemical Physics, 1968, 49, 2734-2740.	1.2	17

#	Article	IF	Citations
847	Elementary Description of the Equation of State of a Simple Fluid. Journal of Chemical Physics, 1968, 48, 1226-1230.	1.2	21
848	Optical Model Calculation of the Electronic States of Mixed Disordered Systems. Journal of Chemical Physics, 1968, 48, 3544-3551.	1.2	3
849	Theory of Excitons in Liquids. IV. A Simplified Treatment of the Shift and Damping of Polarization Waves. Journal of Chemical Physics, 1968, 48, 2484-2494.	1.2	12
850	Some Comments on a Formal Theory of Photochemical Dissociation Reactions. Journal of Chemical Physics, 1968, 49, 2756-2766.	1.2	57
851	Conjecture Concerning an Asymptotic Modification of the Yvonâ€"Bornâ€"Green Equation for Fluids of Rigid Spheres and Disks. Journal of Chemical Physics, 1967, 47, 5061-5067.	1.2	13
852	Theory of Excitons in Liquids. III. Nonresonant Broadening of Impurity Spectra in Simple Liquids. Journal of Chemical Physics, 1967, 47, 2292-2297.	1.2	14
853	On the Equation of State of the Rigidâ€Disk Fluid. Journal of Chemical Physics, 1967, 46, 539-541.	1.2	20
854	Reformulation of the Representation of Transport Coefficients Using the Autocorrelationâ€Function Formalism and the Linearâ€Trajectory Approximation. Journal of Chemical Physics, 1967, 47, 2283-2291.	1.2	14
855	Functional Integral Representation of Nonequilibrium Statistical Mechanics. Journal of Chemical Physics, 1967, 46, 3707-3717.	1.2	16
856	Intermediate Excitons in Molecular Crystals: A Study of the Excited States of Crystalline Iodine. Journal of Chemical Physics, 1967, 47, 498-508.	1.2	3
857	On the Theory of Excitons in Liquids. II. A Classical Model of Polarization Waves in a Simple Liquid. Journal of Chemical Physics, 1967, 46, 4445-4453.	1.2	20
858	Memory Effects and the Autocorrelation Function of a Dynamical Variable. Journal of Chemical Physics, 1967, 47, 2480-2490.	1.2	27
859	A comment on self-diffusion in liquid metals. Advances in Physics, 1967, 16, 351-356.	35.9	12
860	Comments on the Influence of Intermediate Excitons and Exchange Forces on the Interaction in Molecular Crystals: The Crystal Structure of Chlorine. Journal of Chemical Physics, 1967, 46, 3881-3889.	1.2	34
861	Comments on the Equation of State of the Squareâ€Well Fluid. Journal of Chemical Physics, 1967, 47, 4228-4235.	1.2	30
862	Study of the Rydberg States of H2. Journal of Chemical Physics, 1967, 47, 1125-1132.	1.2	14
863	On the Calculation of Autocorrelation Functions of Dynamical Variables. Journal of Chemical Physics, 1966, 45, 1086-1096.	1.2	299
864	Theoretical Studies of Transannular Interactions. I. Benzene Excimer Fluorescence and the Singlet States of the Paracyclophanes. Journal of Chemical Physics, 1966, 44, 23-35.	1.2	156

#	Article	IF	Citations
865	Theoretical Studies of Transannular Interactions. II. The Triplet States of the Paracyclophanes. Journal of Chemical Physics, 1966, 45, 3015-3021.	1.2	36
866	On the Kinetic Theory of Dense Fluids. Journal of Chemical Physics, 1966, 44, 2155-2160.	1.2	12
867	Do Exciton States Exist in the Liquid Phase?. Journal of Chemical Physics, 1966, 44, 4470-4472.	1.2	82
868	Pseudopotential Theory of Atomic and Molecular Rydberg States. Journal of Chemical Physics, 1966, 45, 3004-3014.	1.2	38
869	Cooperative Exciton States in Molecular Crystals. Journal of Chemical Physics, 1966, 44, 3364-3374.	1.2	41
870	Theoretical Studies of Transannular Interactions. IV. The Electronic States of the Paracyclophane Anion. Journal of Chemical Physics, 1966, 45, 4639-4642.	1.2	9
871	On the Kinetic Theory of Dense Fluids. XIX. Comments on and a Rederivation of the Kinetic Equations. Journal of Chemical Physics, 1965, 42, 3134-3143.	1.2	3
872	Reply to M. Blander Re: Perturbation Theory of the Heats of Mixing of Fused Salts, J. Chem. Phys. 41, 14 (1964). Journal of Chemical Physics, 1965, 42, 810-811.	1.2	3
873	On the Quantumâ€Mechanical Fokkerâ€”Planck Equation. Journal of Chemical Physics, 1965, 43, 2633-2642.	1.2	52
874	Exchange Effects on the Electron and Hole Mobility in Crystalline Anthracene and Naphthalene. Journal of Chemical Physics, 1965, 42, 733-737.	1.2	149
875	Study of the Properties of an Excess Electron in Liquid Helium. II. A Refined Description of Configuration Changes in the Liquid. Journal of Chemical Physics, 1965, 43, 2625-2632.	1.2	126
876	Molecular Rydberg Transitions in Rareâ€Gas Matricesâ€”Evidence for Interaction Between Impurity States and Crystal States. Journal of Chemical Physics, 1965, 43, 2997-3004.	1.2	30
877	Excited Electronic States of Crystalline Benzene. Journal of Chemical Physics, 1965, 43, 3336-3343.	1.2	30
878	Search for a Chargeâ€Transfer State in Crystalline Anthracene. Journal of Chemical Physics, 1965, 42, 1535-1540.	1.2	61
879	Localized Excitations in Condensed Ne, Ar, Kr, and Xe. Journal of Chemical Physics, 1965, 42, 4250-4253.	1.2	183
880	Study of the Properties of an Excess Electron in Liquid Helium. I. The Nature of the Electronâ€”Helium Interactions. Journal of Chemical Physics, 1965, 43, 2614-2625.	1.2	222
881	On the Equation of State of the Rigidâ€Sphere Fluid. Journal of Chemical Physics, 1965, 42, 3559-3565.	1.2	64
882	Deep Impurity States in Molecular Crystals: The Optical Excitation of a Substitutional Argon Atom in Crystalline Neon. Journal of Chemical Physics, 1965, 42, 1907-1919.	1.2	28

#	Article	IF	Citations
883	On the Singletâ€Exciton States of Crystalline Anthracene. Journal of Chemical Physics, 1965, 42, 1515-1534.	1.2	110
884	Conjecture on the Rate of Vibrational Relaxation of a Diatomic Molecule in a Monatomic Lattice. Journal of Chemical Physics, 1965, 42, 3826-3830.	1.2	55
885	Experimental Study of Luminescence and Excitation Trapping in Vinyl Polymers, Paracyclophanes, and Related Compounds. Journal of Chemical Physics, 1965, 43, 886-897.	1.2	219
886	On the Electronic States of Crystalline Naphthalene. Journal of Chemical Physics, 1965, 42, 2948-2959.	1.2	31
887	Triplet Excitons in Crystals of Aromatic Molecules. Journal of Chemical Physics, 1965, 42, 309-323.	1.2	271
888	On the Kinetic Theory of Dense Fluids. XV. Some Comments on the Riceâ€"Allnatt Theory. Journal of Chemical Physics, 1964, 40, 1336-1346.	1.2	7
889	On the Excited Electronic States of Isotactic Polystyrene and Polyvinylnaphthalene. Journal of Chemical Physics, 1964, 41, 2846-2853.	1.2	15
890	On the Calculation of the Molecular Friction Constant. Journal of Chemical Physics, 1964, 40, 3671-3672.	1.2	5
891	Ionâ€Pair Exciton States and the Optical Spectrum of Crystalline Neon. Journal of Chemical Physics, 1964, 41, 2911-2925.	1.2	29
892	Forbidden Electronic Transitions in XeF2 and XeF4. Journal of Chemical Physics, 1964, 40, 2018-2032.	1.2	18
893	Guestâ€"Host Interactions: An Examination of the Solventâ€Induced Spectral Shift in a Model System. Journal of Chemical Physics, 1964, 41, 3779-3786.	1.2	14
894	Chargeâ€Transfer Exciton States in Aromatic Molecular Crystals. Journal of Chemical Physics, 1964, 41, 3294-3306.	1.2	113
895	Perturbation Theory of the Heats of Mixing of Fused Salts. Journal of Chemical Physics, 1964, 41, 14-24.	1.2	32
896	On the Kinetic Theory of Dense Fluids. XVI. The Ideal Ionic Melt. Journal of Chemical Physics, 1964, 40, 1347-1362.	1.2	40
897	On the Kinetic Theory of Dense Fluids. XVIII. The Bulk Viscosity. Journal of Chemical Physics, 1964, 41, 3689-3694.	1.2	38
898	On the Kinetic Theory of Dense Fluids. XVII. The Shear Viscosity. Journal of Chemical Physics, 1964, 40, 3673-3683.	1.2	47
899	On the Kinetic Theory of Dense Fluids. XIV. Experimental and Theoretical Studies of Thermal Conductivity in Liquid Ar, Kr, Xe, and CH4. Journal of Chemical Physics, 1963, 39, 1561-1571.	1.2	81
900	Excitonâ€"Exciton Interactions and Photoconductivity in Crystalline Anthracene. Journal of Chemical Physics, 1963, 38, 366-373.	1.2	112

#	Article	IF	Citations
901	Speculation Concerning the Nature of Binding in Xenon Fluorine Compounds. Journal of Chemical Physics, 1963, 38, 2302-2303.	1.2	24
902	On the Thermodynamic Properties of Solutions of Polar Polymers. Theory. Journal of Chemical Physics, 1963, 38, 1759-1767.	1.2	19
903	Triplet Exciton Bands in Aromatic Crystals. Journal of Chemical Physics, 1963, 39, 1897-1899.	1.2	33
904	Solvent Effects and a Test of the Theory of Hypochromism. Journal of Chemical Physics, 1963, 39, 2348-2353.	1.2	48
905	On the Thermodynamic Properties of Solutions of Polar Polymers. A Comparison of Experiment and Theory. Journal of Chemical Physics, 1963, 38, 1768-1778.	1.2	31
906	On the Excess Electron and Hole Band Structures and Carrier Mobility in Naphthalene, Anthracene, and Several Polyphenyls. Journal of Chemical Physics, 1963, 39, 1683-1697.	1.2	195
907	On the Kinetic Theory of Simple Dense Fluids. XI. Experimental and Theoretical Studies of Positive Ion Mobility in Liquid Ar, Kr, and Xe. Journal of Chemical Physics, 1962, 37, 947-956.	1.2	81
908	Kinetic Theory of Dense Fluids. XII. Electronic and Ionic Motion in Liquid He4I and Liquid He3. Journal of Chemical Physics, 1962, 37, 1521-1527.	1.2	17
909	On the Kinetic Theory of Dense Fluids. XIII. The Mobility of Negative Ions in Liquid Ar, Kr, Xe. Journal of Chemical Physics, 1962, 37, 2470-2472.	1.2	63
910	Kinetic Theory of Dense Fluids. X. Measurement and Interpretation of Selfâ€Diffusion in Liquid Ar, Kr, Xe, and CH4. Journal of Chemical Physics, 1962, 36, 2710-2720.	1.2	239
911	On the Kinetic Theory of Dense Fluids. VI. Singlet Distribution Function for Rigid Spheres with an Attractive Potential. Journal of Chemical Physics, 1961, 34, 2144-2155.	1.2	167
912	Approximate Theory of Transport in Simple Dense Fluid Mixtures. Journal of Chemical Physics, 1961, 34, 409-420.	1.2	25
913	On the Kinetic Theory of Dense Fluids. VII. The Doublet Distribution Function for Rigid Spheres with an Attractive Potential. Journal of Chemical Physics, 1961, 34, 2156-2165.	1.2	83
914	Some Further Remarks on the Coefficient of Selfâ€Diffusion in Simple Dense Fluids. Journal of Chemical Physics, 1960, 33, 1376-1378.	1.2	28
915	Kinetic Theory of the Moderately Dense Rigidâ€Sphere Fluid. IV. Fluxes of Matter, Momentum, and Energy in a Mixture. Journal of Chemical Physics, 1960, 33, 1047-1055.	1.2	5
916	On the Dynamical Theory of Diffusion in Crystals. V. Randomâ€Walk Treatment of the Heat of Transport. Journal of Chemical Physics, 1960, 33, 573-578.	1.2	45
917	Kinetic Theory of the Moderately Dense Rigidâ€Sphere Fluid. V. Relaxation in Momentum Space. Journal of Chemical Physics, 1960, 33, 1055-1058.	1.2	5
918	The helix-coil transition in charged macromolecules. Molecular Physics, 1960, 3, 391-407.	0.8	176

#	Article	IF	Citations
919	Kinetic Theory of Moderately Dense Rigid Sphere Fluids. III. The Formulation and Solution of the Transport Equation for Binary Mixtures. Journal of Chemical Physics, 1960, 32, 538-547.	1.2	6
920	On the Dynamical Theory of Diffusion in Crystals. II. Pressure Dependence of the Selfâ€Diffusion Constant. Journal of Chemical Physics, 1959, 31, 139-145.	1.2	53
921	On a Relation between Coarse Graining and Diagonal Singularity. Journal of Chemical Physics, 1959, 30, 587-588.	1.2	2
922	Statistical Mechanical Theory of Transport Processes. XII. Dense Rigid Sphere Fluids. Journal of Chemical Physics, 1959, 31, 575-583.	1.2	42
923	On an Approximate Theory of Transport in Dense Media. Journal of Chemical Physics, 1959, 31, 901-908.	1.2	116
924	Statistical Mechanical Theory of Transport Processes. XIII. Kinetic Theory of Dense Rigid Sphere Fluids. Journal of Chemical Physics, 1959, 31, 584-594.	1.2	13
925	Some comments on the theory of denaturation. Discussions of the Faraday Society, 1958, 25, 130.	0.9	34
926	On the Theorem of Corresponding States and Its Application to Mixtures. Journal of Chemical Physics, 1958, 29, 141-147.	1.2	3
927	On a Model of the Helixâ€Coil Transition in Macromolecules. II. Journal of Chemical Physics, 1958, 29, 233-234.	1.2	53
928	Spectra of the Alkali Halides. II. The Infrared Spectra of the Sodium and Potassium Halides, RbCl, and CsCl. Journal of Chemical Physics, 1957, 27, 573-579.	1.2	139
929	Thermodynamic Properties of the Gaseous Alkali Halides. Journal of Chemical Physics, 1957, 27, 643-645.	1.2	17
930	Infrared Spectra of the Alkali Halides. I. Lithium Halides. Journal of Chemical Physics, 1957, 26, 618-624.	1.2	61
931	On the Free Energy of Solutions. Journal of Chemical Physics, 1956, 24, 357-359.	1.2	14
932	ON THE CELL MODEL FOR SOLUTIONS. Annals of the New York Academy of Sciences, 1956, 65, 35-53.	1.8	1
933	Model for Ionâ€Exchange Resins. Journal of Chemical Physics, 1956, 24, 1258-1258.	1.2	28
934	Chain Model for Polyelectrolytes. III. Equimolar Polyampholytes of Regularly Alternating Structure. Journal of Chemical Physics, 1956, 24, 326-335.	1.2	29
935	Electrostatic Contributions to Thermodynamic Functions of Systems Containing Polymeric Ions. Journal of Chemical Physics, 1956, 25, 955-964.	1.2	29
936	Chain Model for Polyelectrolytes. IV. Skeletal Distribution Effects in Equimolar Polyampholytes. Journal of Chemical Physics, 1956, 24, 336-344.	1.2	9

#	Article	IF	Citations
937	Cell Model for Solutions and the Additivity of Free Energies. Journal of Chemical Physics, 1956, 24, 1283-1283.	1.2	1
938	Particle scattering factors in polydisperse systems. Journal of Polymer Science, 1955, 16, 94-96.	0.9	12
939	Symmetry in Electrodynamics: From Special to General Relativity, Macro to Quantum Domains. , 0, , 677-706.		2
940	Quantum Multipole Radiation. , 0, , 395-490.		3
941	Quantum Noise in Nonlinear Optical Phenomena. , 0, , 1-77.		2
942	Nonlinear Phenomena in Quantum Optics. , 0, , 491-601.		1
943	Quantum Interference in Atomic and Molecular Systems. , 0, , 79-154.		3
944	Nonstationary Casimir Effect and Analytical Solutions for Quantum Fields in Cavities with Moving Boundaries. , 0, , 309-394.		65
945	Multipolar Polarizabilities from Interaction-induced Raman Scattering. , 0, , 267-307.		17
946	Quantum-Optical States in Finite-Dimensional Hilbert Space. I. General Formalism. , 0, , 155-193.		21
947	Quantum-Optical States in Finite-Dimensional Hilbert Space. II. State Generation. , 0, , 195-213.		19
948	A Quantum Electrodynamical Foundation for Molecular Photonics. , 0, , 603-675.		4
949	Correlated Superposition States in Two-Atom Systems. , 0, , 215-266.		1
950	Optical Effects of an Extended Electromagnetic Theory. , 0, , 1-77.		3
951	Quantum Electrodynamics: Potentials, Gauge Invariance, and Analogy to Classical Electrodynamics. , 0, , 611-638.		0
952	Extracting and Using Electromagnetic Energy from the Active Vacuum. , 0, , 639-698.		1
953	Energy from the Active Vacuum: The Motionless Electromagnetic Generator. , 0, , 699-776.		1
954	O(3) Electrodynamics. , 0, , 79-267.		7

#	Article	IF	Citations
955	Symmetry and Exact Solutions of the Maxwell and SU(2) Yangâ€“Mills Equations. , 0, , 269-351.		0
956	Chaos in Optical Systems. , 0, , 353-427.		2
957	Non-Abelian Stokes Theorem. , 0, , 429-468.		5
958	The Link between the Sachs and O(3) Theories of Electrodynamics. , 0, , 469-494.		0
959	The Link between the Topological Theory of RaÃ±ada and Trueba, the Sachs Theory, and O(3) Electrodynamics. , 0, , 495-499.		0
960	Beyond Noncausal Quantum Physics. , 0, , 501-556.		0
961	Electrodynamics and Topology. , 0, , 557-610.		0
962	The Present Status of the Quantum Theory of Light. , 0, , 1-196.		14
963	Constancy of Velocity of Light and Stochastic Background. , 0, , 571-621.		0
964	Energy for the Future: High-Density Charge Clusters. , 0, , 623-653.		0
965	The Superluminal Theory and Effects. , 0, , 655-681.		0
966	Superluminal Effects and Tachyon Theory. , 0, , 683-698.		0
967	Topological Approaches to Electromagnetism. , 0, , 699-734.		2
968	Topological Electromagnetism with Hidden Nonlinearity. , 0, , 197-253.		7
969	Ellipsoids in Holography and Relativity. , 0, , 255-296.		1
970	Astrophysics in the Dark: Mach's Principle Lights the Way. , 0, , 297-333.		0
971	A Semiclassical Model of the Photon Based on Objective Reality and Containing Longitudinal Field Components. , 0, , 335-385.		1
972	Significance of the Sagnac Effect: Beyond the Contemporary Physics. , 0, , 387-401.		0

#	Article	IF	Citations
973	Non-Abelian Electrodynamics: Progress and Problems. , 0, , 403-467.		0
974	Fluctuational Escape and Related Phenomena in Nonlinear Optical Systems. , 0, , 469-524.		1
975	Beltrami Vector Fields in Electrodynamicsâ€"A Reason for Reexamining the Structural Foundations of Classical Field Physics?. , 0, , 525-569.		0
976	Photoinduced Bond Cleavage as a Probe of Mode Specificity and Intramolecular Dynamics in Rovibrationally Excited Triatomic to 10 Atom Molecules. Advances in Chemical Physics, 0, , 23-50.	0.3	0
977	Effects of Electromagnetic Fields on Molecular Scattering. Advances in Chemical Physics, 0, , 313-348.	0.3	1
978	Ultrafast and Efficient Control of Coherent Electron Dynamics via SPODS. Advances in Chemical Physics, 0, , 235-282.	0.3	10
979	From Coherent to Incoherent Dynamical Control of Open Quantum Systems. Advances in Chemical Physics, 0, , 137-218.	0.3	2
980	Laser Control of Ultrafast Molecular Rotation. Advances in Chemical Physics, 0, , 395-412.	0.3	6
981	Onset Dynamics of Phase Transition in Ar7. Advances in Chemical Physics, 0, , 129-153.	0.3	5
982	Ilya Prigogine: his Life, his Work. Advances in Chemical Physics, 0, , 1-81.	0.3	1
983	Carnot Efficiency Revisited. Advances in Chemical Physics, 0, , 189-201.	0.3	23
984	Biological Rhythms as Temporal Dissipative Structures. Advances in Chemical Physics, 0, , 253-295.	0.3	16
985	Electric Polarization of Polar Time-Dependent Rigid Materials. Advances in Chemical Physics, 0, , 217-282.	0.3	1
986	Molecular Self-Assembly into Crystals at Air-Liquid Interfaces. Advances in Chemical Physics, 0, , 39-120.	0.3	12
987	Monte Carlo Methods for Polymeric Systems. Advances in Chemical Physics, 0, , 337-367.	0.3	5
988	Monte Carlo Methods for Simulating Phase Equilibria of Complex Fluids. Advances in Chemical Physics, 0, , 443-460.	0.3	12
989	New Monte Carlo Algorithms for Classical Spin Systems. Advances in Chemical Physics, 0, , 483-517.	0.3	3
990	Between Classical and Quantum Monte Carlo Methods: â€œVariationalâ€•QMC. Advances in Chemical Physics, 0, , 37-64.	0.3	19

#	Article	IF	Citations
991	Monte Carlo Eigenvalue Methods in Quantum Mechanics and Statistical Mechanics. Advances in Chemical Physics, 0, , 65-115.	0.3	5
992	Adaptive Path-Integral Monte Carlo Methods for Accurate Computation of Molecular Thermodynamic Properties. Advances in Chemical Physics, 0, , 117-170.	0.3	11
993	Monte Carlo Approaches to the Protein Folding Problem. Advances in Chemical Physics, 0, , 203-242.	0.3	5
994	Entropy Sampling Monte Carlo for Polypeptides and Proteins. Advances in Chemical Physics, 0, , 243-272.	0.3	8
995	Cooperative Conformational Kinetics of Synthetic and Biological Chain Molecules. Advances in Chemical Physics, 0, , 73-152.	0.3	15
996	Transition State Stabilization Energy as a Measure of Chemical Reactivity. Advances in Chemical Physics, 0, , 345-398.	0.3	5
997	Noise Analysis of Kinetic Systems and its Applications to Membrane Channels. Advances in Chemical Physics, 0, , 67-97.	0.3	24
998	Mathematical Modeling of Transport of Lipid-Soluble Ions and Ion-Carrier Complexes Through Lipid Bilayer Membranes. Advances in Chemical Physics, 0, , 99-137.	0.3	25
999	Calculations of Observables in Metallic Complexes by the Molecular Orbital Theory. Advances in Chemical Physics, 0, , 203-304.	0.3	3
1000	Electric Fields and Self-Coherent Patterns and Structures in Chemical Systems: Large-Scale Effects and Biological Implications. Advances in Chemical Physics, 0, , 415-449.	0.3	3
1001	How does Information Originate? Principles of Biological Self-Organization. Advances in Chemical Physics, 0, , 211-262.	0.3	4
1002	The Response of Polymer Molecules in a Flow. Advances in Chemical Physics, 0, , 153-211.	0.3	20
1003	Quantum theories of Chemical Kinetics. Advances in Chemical Physics, 0, , 1-31.	0.3	39
1004	A Review of Ion-molecule Reactions. Advances in Chemical Physics, 0, , 33-140.	0.3	20
1005	Ion Cyclotronc Resonance. Advances in Chemical Physics, 0, , 141-207.	0.3	17
1006	Statistical-Mechanical theories in Biology. Advances in Chemical Physics, 0, , 325-352.	0.3	6
1007	Photochemical Reaction Centers and Photosynthetic Membranes. Advances in Chemical Physics, 0, , 353-378.	0.3	8
1008	Multipolar Interactions in Molecular Crystals. Advances in Chemical Physics, 0, , 1-37.	0.3	7

#	Article	IF	Citations
1009	The Computation of Virial Coefficients. Advances in Chemical Physics, 0, , 39-69.	0.3	14
1010	The Linear Gas. Advances in Chemical Physics, 0, , 135-214.	0.3	54
1011	Low-Energy Electron Diffraction. Advances in Chemical Physics, 0, , 215-339.	0.3	77
1012	High-Resolution Electronic Spectra of Large Polyatomic Molecules. Advances in Chemical Physics, 0, , 341-391.	0.3	16
1013	Thermodynamics of Discrete Mechanical Systems with Memory. Advances in Chemical Physics, 0, , 95-154.	0.3	2
1014	Determination of the Structure and Properties of Solid Surfaces by Electron Diffraction and Emission. Advances in Chemical Physics, 0, , 1-209.	0.3	53
1015	Electron Spectroscopy of Chemisorption on Metals. Advances in Chemical Physics, 0, , 211-264.	0.3	18
1016	Solutions of Metals in Molten Salts. Advances in Chemical Physics, 0, , 465-480.	0.3	15
1017	On the Mechanism of Instabilities in Nonlinear Systems. Advances in Chemical Physics, 0, , 1-11.	0.3	9
1018	Stability of Supercritical BÃ©nard Convection and Taylor Vortex Flow. Advances in Chemical Physics, 0, , 109-133.	0.3	20
1019	Laboratory Experiments on Double-Diffusive Instabilities. Advances in Chemical Physics, 0, , 135-149.	0.3	3
1020	Cylindrical Couette Flow Instabilities in Nematic Liquid Crystals. Advances in Chemical Physics, 0, , 151-161.	0.3	1
1021	On the Nature of Oscillatory Convection in Two-Component Fluids. Advances in Chemical Physics, 0, , 277-279.	0.3	2
1022	Finite Amplitude Instability in the Two-Component BÃ©nard Problem. Advances in Chemical Physics, 0, , 281-322.	0.3	8
1023	On a Unified Thermodynamic Approach to a Large Class of Instabilities of Dissipative Continua. Advances in Chemical Physics, 0, , 13-16.	0.3	2
1024	Concepts in Hydrodynamic Stability Theory. Advances in Chemical Physics, 0, , 17-35.	0.3	1
1025	Some Remarks on Variational Methods, the Local Potential, and Finite Element Methods with Application to Certain Continuum Mechanics Problems. Advances in Chemical Physics, 0, , 37-60.	0.3	1
1026	Glansdorff-Prigogine Criterion and Statistical Theory. Advances in Chemical Physics, 0, , 61-63.	0.3	1

#	Article	IF	Citations
1027	Magnetic Fields and Convection. Advances in Chemical Physics, 0, , 101-107.	0.3	9
1028	Light Scattering from Nonequilibrium Fluid Systems. Advances in Chemical Physics, 0, , 87-99.	0.3	0
1029	The Effect of Prandtl Number on Finite Amplitude BÃ©nard Convection. Advances in Chemical Physics, 0, , 77-86.	0.3	0
1030	Stellar Atmospheres, Nonequilibrium Thermodynamics, and Irreversibility. Advances in Chemical Physics, 0, , 259-268.	0.3	0
1031	The BÃ©nard Instability in Liquid Mixtures. Advances in Chemical Physics, 0, , 269-276.	0.3	0
1032	Stellar Evolutionary Stability in Relation to Spectral Theory. Advances in Chemical Physics, 0, , 207-258.	0.3	0
1033	Numerical Models for Convection. Advances in Chemical Physics, 0, , 65-75.	0.3	0
1034	Theoretical and Experimental Study of Stationary Profiles of a Water-Ice Mobile Solidification Interface. Advances in Chemical Physics, 0, , 163-205.	0.3	1
1035	Inverse Problems for Reaction-Diffusion Systems with Application to Geographical Population Genetics. Advances in Chemical Physics, 0, , 173-187.	0.3	0
1036	Statistical Mechanics of a Gravitational Plasma. Advances in Chemical Physics, 0, , 153-172.	0.3	0
1037	Quantum and Classical Dynamics of Nonintegrable Systems. Advances in Chemical Physics, 0, , 135-151.	0.3	2