

Stuart A Rice

List of Publications by Year in descending order

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1,037
papers

55,833
citations

2802

94
h-index

7518

151
g-index

1585
all docs

1585
docs citations

1585
times ranked

22480
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.	3.4	3
2	Free Thiols Regulate the Interactions and Self-Assembly of Thiol-Passivated Metal Nanoparticles. Nano Letters, 2021, 21, 1613-1619.	9.1	8
3	Data-driven reaction coordinate discovery in overdamped and non-conservative systems: application to optical matter structural isomerization. Nature Communications, 2021, 12, 2548.	12.8	3
4	Monitoring local order in the liquid-X interface. Molecular Physics, 2021, 119, e1875076.	1.7	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.	3.0	1
6	Optical matter machines: angular momentum conversion by collective modes in optically bound nanoparticle arrays. Optica, 2020, 7, 1341.	9.3	28
7	Pair and many-body interactions between ligated Au nanoparticles. Journal of Chemical Physics, 2019, 150, 044904.	3.0	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.	3.0	10
9	The influence of fractional surface coverage on the core-core separation in ordered monolayers of thiol-ligated Au nanoparticles. Soft Matter, 2019, 15, 8800-8807.	2.7	10
10	Controlling the Dynamics and Optical Binding of Nanoparticle Homodimers with Transverse Phase Gradients. Nano Letters, 2019, 19, 897-903.	9.1	25
11	Direct Visualization of Barrier Crossing Dynamics in a Driven Optical Matter System. ACS Nano, 2018, 12, 5168-5175.	14.6	11
12	Reactive optical matter: light-induced motility in electrodynamically asymmetric nanoscale scatterers. Light: Science and Applications, 2018, 7, 105.	16.6	26
13	A comment on the position dependent diffusion coefficient representation of structural heterogeneity. Journal of Chemical Physics, 2018, 148, 194901.	3.0	9
14	Transient structured fluctuations in a two-dimensional system with multiple ordered phases. Journal of Chemical Physics, 2018, 149, 034503.	3.0	14
15	Driven optical matter: Dynamics of electrodynamically coupled nanoparticles in an optical ring vortex. Physical Review E, 2017, 95, 022604.	2.1	47
16	The role of ligands in the mechanical properties of Langmuir nanoparticle films. Soft Matter, 2017, 13, 3125-3133.	2.7	20
17	Colloid-colloid hydrodynamic interaction around a bend in a quasi-one-dimensional channel. Physical Review E, 2017, 96, 012606.	2.1	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. <i>Advances in Chemical Physics</i> , 2016, , 219-234.	0.3	1
20	Analytic solution of the Ornstein-Zernike relation for inhomogeneous liquids. <i>Journal of Chemical Physics</i> , 2016, 145, 234508.	3.0	5
21	Dynamics of Photochemical Reactions of Organic Carbonyls and their Clusters. <i>Advances in Chemical Physics</i> , 2016, , 1-22.	0.3	0
22	Controlling Quantum Dynamics with Assisted Adiabatic Processes. <i>Advances in Chemical Physics</i> , 2016, , 51-136.	0.3	5
23	Quantum Dynamics by Partitioning Technique. <i>Advances in Chemical Physics</i> , 2016, , 349-394.	0.3	0
24	A model study of assisted adiabatic transfer of population in the presence of collisional dephasing. <i>Journal of Chemical Physics</i> , 2015, 142, 244303.	3.0	12
25	Fast-Forward Assisted STIRAP. <i>Journal of Physical Chemistry A</i> , 2015, 119, 3479-3487.	2.5	61
26	Selective Vibrational Population Transfer using Combined Stimulated Raman Adiabatic Passage and Counter-Diabatic Fields. <i>Journal of Physical Chemistry C</i> , 2015, 119, 14513-14523.	3.1	21
27	Rapid coherent control of population transfer in lattice systems. <i>Physical Review A</i> , 2014, 89, .	2.5	24
28	Divergence of the long-wavelength collective diffusion coefficient in quasi-one- and quasi-two-dimensional colloidal suspensions. <i>Physical Review E</i> , 2014, 89, 022303.	2.1	18
29	Modeling Viral Capsid Assembly. <i>Advances in Chemical Physics</i> , 2014, 155, 1-68.	0.3	120
30	Local Fluctuations in Solution: Theory and Applications. <i>Advances in Chemical Physics</i> , 2013, 153, 311-372.	0.3	18
31	Paul Mead Doty (1920–2011). <i>Nature</i> , 2012, 481, 266-266.	27.8	1
32	Long-range hydrodynamic correlations in quasi-one-dimensional circular and straight geometries. <i>Physical Review E</i> , 2012, 86, 041402.	2.1	5
33	Efficient and Unbiased Sampling of Biomolecular Systems in the Canonical Ensemble: A Review of Self-Guided Langevin Dynamics. <i>Advances in Chemical Physics</i> , 2012, 150, 255-326.	0.3	32
34	Control of Dynamical Processes in Solution: An Overview and Personal Perspective. <i>Israel Journal of Chemistry</i> , 2012, 52, 384-396.	2.3	0
35	Density Distribution in the Liquid Hg–Sapphire Interface. <i>Journal of Physical Chemistry A</i> , 2011, 115, 3859-3866.	2.5	5
36	Maximally random jamming of one-component and binary hard-disk fluids in two dimensions. <i>Physical Review E</i> , 2011, 83, 021120.	2.1	17

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37	Single-particle diffusion in dense inhomogeneous colloid suspensions in ribbon channels. Physical Review E, 2011, 84, 041403.	2.1	7
38	Hydrodynamic interactions in ribbon channels: From quasi-one-dimensional to quasi-two-dimensional behavior. Physical Review E, 2010, 82, 031403.	2.1	6
39	Spreading of colloid clusters in a quasi-one-dimensional channel. Journal of Chemical Physics, 2010, 132, 084902.	3.0	11
40	Structure of quasi-one-dimensional ribbon colloid suspensions. Physical Review E, 2009, 79, 031406.	2.1	16
41	Structure in confined colloid suspensions. Chemical Physics Letters, 2009, 479, 1-13.	2.6	48
42	Transient ordering in a quasi-two-dimensional liquid near freezing. Journal of Chemical Physics, 2008, 128, 244517.	3.0	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.	2.6	13
44	A Fortunate Life in Physical Chemistry. Annual Review of Physical Chemistry, 2008, 59, 1-26.	10.8	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.	2.1	9
46	On the consistency, extremal, and global properties of counterdiabatic fields. Journal of Chemical Physics, 2008, 129, 154111.	3.0	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

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55	Molecule-Surface Scattering and Reaction Dynamics. Advances in Chemical Physics, 2007, , 163-253.	0.3	40
56	The Reaction $F + H_2\hat{a}^+ \rightarrow Hf + H$. 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

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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

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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 Néel 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

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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.	2.1	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 Schrödinger 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

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

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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

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

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