# Stuart A Rice

List of Publications by Year
in descending order

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|---|---|---|---|
| 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 | Multimode Molecular Dynamics Beyond the Born-Oppenheimer Approximation. Advances in Chemical Physics, 2007, , 59-246. | 0.3 | 1,010 |
| 2 | Control of selectivity of chemical reaction via control of wave packet evolution. Journal of Chemical Physics, 1985, 83, 5013-5018. | 1.2 | 912 |
| 3 | Theoretical Aspects of Ionization Potentials and Photoelectron Spectroscopy: A Green's Function Approach. Advances in Chemical Physics, 2007, , 205-344. | 0.3 | 752 |
| 4 | Molecular Fluorescence and Energy Transfer Near Interfaces. Advances in Chemical Physics, 2007, , 1-65. | 0.3 | 745 |
| 5 | Magnetic Relaxation in Fine-Particle Systems. Advances in Chemical Physics, 2007, , 283-494. | 0.3 | 740 |
| 6 | Coherent pulse sequence induced control of selectivity of reactions: Exact quantum mechanical calculations. Journal of Chemical Physics, 1986, 85, 5805-5820. | 1.2 | 639 |
| 7 | Classical-Limit Quantum Mechanics and the Theory of Molecular Collisions. Advances in Chemical Physics, 2007, , 69-177. | 0.3 | 632 |
| 8 | Adiabatic Population Transfer with Control Fields. Journal of Physical Chemistry A, 2003, 107, 9937-9945. | 1.1 | 550 |
| 9 | 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 |
| 10 | Discrete-Variable Representations and their Utilization. Advances in Chemical Physics, 2007, , 263-310. | 0.3 | 496 |
| 11 | Angle-Resolved Photoemission as a Tool for the Study of Surfaces. Advances in Chemical Physics, 2007, , 533-656. | 0.3 | 488 |
| 12 | Structure and Dynamics of Simple Microclusters. Advances in Chemical Physics, 2007, , 49-135. | 0.3 | 430 |
| 13 | Semiclassical theory of Bound States. Advances in Chemical Physics, 2007, , 1-61. | 0.3 | 415 |
| 14 | On the Calculation of Time Correlation Functions. Advances in Chemical Physics, 2007, , 63-227. | 0.3 | 415 |
| 15 | Dynamics of Crystal Growth. Advances in Chemical Physics, 2007, , 157-228. | 0.3 | 401 |
| 16 | Inhomogeneous RF Fields: A Versatile Tool for the Study of Processes with Slow Ions. Advances in Chemical Physics, 2007, , 1-176. | 0.3 | 397 |
| 17 | Overtone Frequencies and Intensities in the Local Mode Picture. Advances in Chemical Physics, 2007, , 1-58. | 0.3 | 395 |
| 18 | Correlation Effects in the Ionization of Molecules: Breakdown of the Molecular Orbital Picture. Advances in Chemical Physics, 2007, , 115-159. | 0.3 | 384 |

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| 19 | Dephasing of Molecular Vibrations in Liquids. Advances in Chemical Physics, 2007, , 1-48. | 0.3 | 370 |
| 20 | The Molecular Quasi-Species. Advances in Chemical Physics, 2007, , 149-263. | 0.3 | 357 |
| 21 | ACTIVE CONTROL OF THE DYNAMICS OF ATOMS AND MOLECULES. Annual Review of Physical Chemistry, 1997, 48, 601-641. | 4.8 | 350 |
| 22 | Electron Transfer-from Isolated Molecules to Biomolecules. Advances in Chemical Physics, 2007, , 35-202. | 0.3 | 338 |
| 23 | Scattering from a classically chaotic repellor. Journal of Chemical Physics, 1989, 90, 2225-2241. | 1.2 | 324 |
| 24 | Transition Path Sampling. Advances in Chemical Physics, 2003, , 1-78. | 0.3 | 310 |
| 25 | On the Calculation of Autocorrelation Functions of Dynamical Variables. Journal of Chemical Physics, 1966, 45, 1086-1096. | 1.2 | 299 |
| 26 | Assisted Adiabatic Passage Revisitedâ€. Journal of Physical Chemistry B, 2005, 109, 6838-6844. | 1.2 | 292 |
| 27 | A Critical Assessment of Coupled Cluster Method in Quantum Chemistry. Advances in Chemical Physics, 2007, , 1-175. | 0.3 | 285 |
| 28 | Theory of Ultrafast Nonadiabatic Excited-State Processes and their Spectroscopic Detection in Real Time. Advances in Chemical Physics, 2007, , 1-169. | 0.3 | 282 |
| 29 | Ab Initio Quantum Molecular Dynamics. Advances in Chemical Physics, 2002, , 439-512. | 0.3 | 279 |
| 30 | Multiconfigurational Perturbation Theory: Applications in Electronic Spectroscopy. Advances in Chemical Physics, 2007, , 219-331. | 0.3 | 278 |
| 31 | Radiationless Transitions in Photochemistry. Advances in Photochemistry, 2007, , 149-309. | 0.4 | 273 |
| 32 | Triplet Excitons in Crystals of Aromatic Molecules. Journal of Chemical Physics, 1965, 42, 309-323. | 1.2 | 271 |
| 33 | Classical and Quantum Magnetization Reversal Studied in Nanometer-Sized Particles and Clusters. Advances in Chemical Physics, 2007, , 99-190. | 0.3 | 265 |
| 34 | Theory of Polyelectrolyte Solutions. Advances in Chemical Physics, 2007, , 1-66. | 0.3 | 262 |
| 35 | Dielectric Constants of Fluid Models: Statistical Mechanical Theory and its Quantitative Implementation. Advances in Chemical Physics, 2007, , 183-328. | 0.3 | 260 |
| 36 | Study of the Lifetimes of Individual Vibronic States of the Isolated Benzene Molecule. Journal of Chemical Physics, 1971, 55, 5561-5581. | 1.2 | 256 |

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| 37 | Colored Noise in Dynamical Systems. Advances in Chemical Physics, 2007, , 239-326. | 0.3 | 240 |
| 38 | 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 |
| 39 | Direct measurements of constrained Brownian motion of an isolated sphere between two walls. Physical Review E, 2000, 62, 3909-3919. | 0.8 | 234 |
| 40 | Variational Approaches to Vibration-Rotation Spectroscopy for Polyatomic Molecules. Advances in Chemical Physics, 2007, , 305-379. | 0.3 | 234 |
| 41 | Roles of Repulsive and Attractive Forces in Liquids : The Equilibrium Theory of Classical Fluids. Advances in Chemical Physics, 2007, , 105-156. | 0.3 | 231 |
| 42 | A Consistent Molecular Treatment of Dielectric Phenomena. Advances in Chemical Physics, 2007, , 467-566. | 0.3 | 228 |
| 43 | Functional Integrals and Polymer Statistics. Advances in Chemical Physics, 2007, , 1-128. | 0.3 | 228 |
| 44 | Liquids, Glasses, and the Glass Transition: A Free-Volume Approach. Advances in Chemical Physics, 2007, , 455-525. | 0.3 | 228 |
| 45 | The Statistical Mechanics of the Electrical Double Layer. Advances in Chemical Physics, 2007, , 141-253. | 0.3 | 225 |
| 46 | Integral Equation Theories of the Structure, Thermodynamics, and Phase Transitions of Polymer Fluids. Advances in Chemical Physics, 2007, , 1-142. | 0.3 | 224 |
| 47 | 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 |
| 48 | 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 |
| 49 | Hard Convex Body Fluids. Advances in Chemical Physics, 2007, , 1-166. | 0.3 | 205 |
| 50 | Photophysics of Internal Twisting. Advances in Chemical Physics, 2007, , 1-174. | 0.3 | 203 |
| 51 | Adiabatic and Quasidiabatic States in a Gauge Theoretical Framework. Advances in Chemical Physics, 2007, , 293-391. | 0.3 | 200 |
| 52 | On the consistency, extremal, and global properties of counterdiabatic fields. Journal of Chemical Physics, 2008, 129, 154111. | 1.2 | 197 |
| 53 | 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 |
| 54 | Stress and Structure in Fluid Interfaces. Advances in Chemical Physics, 2007, , 357-454. | 0.3 | 194 |

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| 55 | Quantum ergodicity and vibrational relaxation in isolated molecules. Journal of Chemical Physics, 1974, 61, 203-223. | 1.2 | 192 |
| 56 | Self-Consistent-Field Methods for Vibrational Excitations in Polyatomic Systems. Advances in Chemical Physics, 2007, , 97-132. | 0.3 | 189 |
| 57 | 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 |
| 58 | Localized Excitations in Condensed Ne, Ar, Kr, and Xe. Journal of Chemical Physics, 1965, 42, 4250-4253. | 1.2 | 183 |
| 59 | Semiclassical quantization of the scattering from a classically chaotic repellor. Journal of Chemical Physics, 1989, 90, 2242-2254. | 1.2 | 183 |
| 60 | Coherent Pulse Sequence Control of Product Formation in Chemical Reactions. Advances in Chemical Physics, 2007, , 441-523. | 0.3 | 181 |
| 61 | Stability of Complex Reaction Networks. Advances in Chemical Physics, 2007, , 1-215. | 0.3 | 179 |
| 62 | The helix-coil transition in charged macromolecules. Molecular Physics, 1960, 3, 391-407. | 0.8 | 176 |
| 63 | The Nature and Structural Properties of Graphite Intercalation Compounds. Advances in Chemical Physics, 2007, , 455-532. | 0.3 | 173 |
| 64 | 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 |
| 65 | Collective Orientational Relaxation in Dense Dipolar Liquids. Advances in Chemical Physics, 2007, , 1-126. | 0.3 | 165 |
| 66 | Irreversible Thermodynamics for Quantum Systems Weakly Coupled to Thermal Reservoirs. Advances in Chemical Physics, 2007, , 109-142. | 0.3 | 163 |
| 67 | Interaction Potentials and Glass Formation: A Survey of Computer Experiments. Advances in Chemical Physics, 2007, , 397-453. | 0.3 | 162 |
| 68 | 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 |
| 69 | Exact quantization of the scattering from a classically chaotic repellor. Journal of Chemical Physics, 1989, 90, 2255-2262. | 1.2 | 158 |
| 70 | Monte Carlo Sampling for Classical Trajectory Simulations. Advances in Chemical Physics, 2007, , 171-201. | 0.3 | 158 |
| 71 | 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 |
| 72 | Spectral Line Shapes in Gases in the Binary-Collision Approximation. Advances in Chemical Physics, 2007, , 235-293. | 0.3 | 155 |

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| 73 | Models, Interpretations, and Calculations Concerning Resonant Electron Scattering Processes in Atoms and Molecules. Advances in Chemical Physics, 2007, , 91-147. | 0.3 | 154 |
| 74 | Star Polymers: Experiment, Theory, and Simulation. Advances in Chemical Physics, 2007, , 67-163. | 0.3 | 154 |
| 75 | Energy Landscapes: From Clusters to Biomolecules. Advances in Chemical Physics, 2007, , 1-111. | 0.3 | 153 |
| 76 | Theory and Molecular Models for Water. Advances in Chemical Physics, 2007, , 1-101. | 0.3 | 151 |
| 77 | Magnetic Circular Dichroism. Advances in Chemical Physics, 2007, , 197-264. | 0.3 | 150 |
| 78 | Exchange Effects on the Electron and Hole Mobility in Crystalline Anthracene and Naphthalene. Journal of Chemical Physics, 1965, 42, 733-737. | 1.2 | 149 |
| 79 | Anomalous Hydrodynamic Interaction in a Quasi-Two-Dimensional Suspension. Physical Review Letters, 2004, 92, 258301. | 2.9 | 146 |
| 80 | Path-Integral Centroid Methods in Quantum Statistical Mechanics and Dynamics. Advances in Chemical Physics, 2007, , 135-218. | 0.3 | 145 |
| 81 | The Expansion of the Master Equation. Advances in Chemical Physics, 2007, , 245-309. | 0.3 | 143 |
| 82 | 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 |
| 83 | The Rotation of Molecules in Dense Phases. Advances in Chemical Physics, 2007, , 1-104. | 0.3 | 140 |
| 84 | 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 |
| 85 | Tests of effective pair potentials for water: Predicted ice structures. Journal of Chemical Physics, 1982, 76, 650-660. | 1.2 | 135 |
| 86 | A lattice model of a supported monolayer of amphiphile molecules: Monte Carlo simulations. Journal of Chemical Physics, 1988, 88, 1298-1306. | 1.2 | 135 |
| 87 | The Transition from Analytic Dynamics to Statistical Mechanics. Advances in Chemical Physics, 2007, , 155-185. | 0.3 | 135 |
| 88 | The Redfield Equation in Condensed-Phase Quantum Dynamics. Advances in Chemical Physics, 2007, , 77-134. | 0.3 | 135 |
| 89 | Spectroscopic properties of polyenes. III. 1,3,5,7â€Octatetraene. Journal of Chemical Physics, 1978, 68, 522-529. | 1.2 | 133 |
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| 91 | Nonlinear resonance and stochasticity in intramolecular energy exchange. Journal of Chemical Physics, 1976, 65, 1676-1683. | 1.2 | 132 |
| 92 | Bottlenecks to unimolecular reactions and an alternative form for classical RRKM theory. The Journal of Physical Chemistry, 1986, 90, 3470-3482. | 2.9 | 130 |
| 93 | Solid-Liquid Phase Behavior in Microclusters. Advances in Chemical Physics, 2007, , 75-138. | 0.3 | 128 |
| 94 | Statistical Mechanics of Static and Low-Velocity Kinetic Friction. Advances in Chemical Physics, 2003, , 187-272. | 0.3 | 127 |
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| 97 | Internal Rotation and the Breakdown of the Adiabatic Approximation: Manyâ€Phonon Radiationless Transitions. Journal of Chemical Physics, 1970, 52, 2460-2473. | 1.2 | 126 |
| 98 | Molecular dynamics studies of the liquidâ€“vapor interface of water. Journal of Chemical Physics, 1991, 94, 2207-2218. | 1.2 | 126 |
| 99 | Hydrogen Bonds with Large Proton Polarizability and Proton Transfer Processes in Electrochemistry and Biology. Advances in Chemical Physics, 2007, , 1-217. | 0.3 | 126 |
| 100 | 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 |
| 101 | On the Statistical Theory of Unimolecular Processes. Advances in Chemical Physics, 2007, , 231-263. | 0.3 | 124 |
| 102 | Generalized Langevin Equations and Many-Body Problems in Chemical Dynamics. Advances in Chemical Physics, 2007, , 143-253. | 0.3 | 121 |
| 103 | Phase transitions in a confined quasi-two-dimensional colloid suspension. Physical Review E, 1997, 55, 637-656. | 0.8 | 120 |
| 104 | Modeling Viral Capsid Assembly. Advances in Chemical Physics, 2014, 155, 1-68. | 0.3 | 120 |
| 105 | Radiative and Nonradiative Processes in Benzene. Advances in Chemical Physics, 2007, , 365-421. | 0.3 | 119 |
| 106 | The waterâ€“water pair potential near the hydrogen bonded equilibrium configuration. Journal of Chemical Physics, 1980, 72, 3236-3247. | 1.2 | 118 |
| 107 | Fractal behavior in classical collisional energy transfer. Journal of Chemical Physics, 1986, 84, 2649-2652. | 1.2 | 118 |
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| 110 | Molecular Vibration and Nonlinear Optics. Advances in Chemical Physics, 2007, , 1-40. | 0.3 | 117 |
| 111 | On an Approximate Theory of Transport in Dense Media. Journal of Chemical Physics, 1959, 31, 901-908. | 1.2 | 116 |
| 112 | Chargeâ€Transfer Exciton States in Aromatic Molecular Crystals. Journal of Chemical Physics, 1964, 41, 3294-3306. | 1.2 | 113 |
| 113 | Statistical Physics of Polymer Solutions: Conformation-Space Renormalization-Group Approach. Advances in Chemical Physics, 2007, , 301-437. | 0.3 | 113 |
| 114 | Excitonâ€"Exciton Interactions and Photoconductivity in Crystalline Anthracene. Journal of Chemical Physics, 1963, 38, 366-373. | 1.2 | 112 |
| 115 | 1B2uâ†"1A1g spectroscopy of jetâ€cooled benzene: Single vibronic level fluorescence studies. Journal of Chemical Physics, 1984, 81, 1060-1072. | 1.2 | 112 |
| 116 | Relaxation dynamics of photoexcited benzeneâ€"rare gas van der Waals complexes. Journal of Chemical Physics, 1984, 81, 1083-1101. | 1.2 | 112 |
| 117 | Oscillations and Complex Dynamical Bifurcations in Electrochemical Systems. Advances in Chemical Physics, 2007, , 161-298. | 0.3 | 112 |
| 118 | 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 |
| 119 | Chemical Reaction Dynamics in Liquid Solution. Advances in Chemical Physics, 2007, , 61-223. | 0.3 | 111 |
| 120 | On the Singletâ€Exciton States of Crystalline Anthracene. Journal of Chemical Physics, 1965, 42, 1515-1534. | 1.2 | 110 |
| 121 | The mean spherical approximation and effective pair potentials in liquids. Journal of Chemical Physics, 1980, 72, 4208-4215. | 1.2 | 108 |
| 122 | Optimization and Characterization of a Multiconfigurational Self-Consistent Field (MCSCF) State. Advances in Chemical Physics, 2007, , 1-176. | 0.3 | 108 |
| 123 | A zeroth order random network model of liquid water. Journal of Chemical Physics, 1979, 70, 3927-3938. | 1.2 | 107 |
| 124 | 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 |
| 125 | On the Use of Pseudopotentials in the Quantum Theory of Atoms and Molecules. Advances in Chemical Physics, 2007, , 283-342. | 0.3 | 106 |
| 126 | Superparamagnetism and Spin Glass Dynamics of Interacting Magnetic Nanoparticle Systems. Advances in Chemical Physics, 2004, , 191-248. | 0.3 | 105 |

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| 127 | Electron Resonance of Gaseous Diatomic Molecules. Advances in Chemical Physics, 2007, , 149-248. | 0.3 | 105 |
| 128 | Use of Pseudopotentials in Atomicâ€Structure Calculations. Journal of Chemical Physics, 1968, 49, 2741-2755. | 1.2 | 104 |
| 129 | Lifetimes and Quantum Yields of Individual Vibronic States of C6D6and C6H5F. Journal of Chemical Physics, 1972, 56, 2291-2308. | 1.2 | 104 |
| 130 | Study of Impurityâ€“Host Coupling in Shpolskii Matrices. Journal of Chemical Physics, 1971, 54, 2014-2023. | 1.2 | 102 |
| 131 | A synchrotron x-ray liquid surface spectrometer. Review of Scientific Instruments, 1997, 68, 4372-4384. | 0.6 | 102 |
| 132 | A study of the liquidâ€“vapor interface of mercury: Computer simulation results. Journal of Chemical Physics, 1983, 78, 5081-5095. | 1.2 | 101 |
| 133 | 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 |
| 134 | Chemical Kinetics of Flue Gas Cleaning by Irradiation with Electrons. Advances in Chemical Physics, 2007, , 315-402. | 0.3 | 101 |
| 135 | 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 |
| 136 | Formation of an ordered Langmuir monolayer by a non-polar chain molecule. Nature, 1994, 367, 151-153. | 13.7 | 100 |
| 137 | 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 |
| 138 | Accurate Quantum Chemical Calculations. Advances in Chemical Physics, 2007, , 103-161. | 0.3 | 96 |
| 139 | High-Precision Molecular Wave-Packet Interferometry with HgAr Dimers. Physical Review Letters, 2003, 91, 243003. | 2.9 | 95 |
| 140 | Unimolecular decomposition of the longâ€lived complex formed in the reaction F+C4H8. Journal of Chemical Physics, 1973, 59, 1402-1415. | 1.2 | 93 |
| 141 | Ultrafast Dynamics and Spectroscopy of Bacterial Photosynthetic Reaction Centers. Advances in Chemical Physics, 2002, , 1-88. | 0.3 | 93 |
| 142 | Reduced Dimensionality Theories of Quantum Reactive Scattering. Advances in Chemical Physics, 2007, , 115-167. | 0.3 | 93 |
| 143 | The Virial Theorem. Advances in Chemical Physics, 2007, , 209-361. | 0.3 | 92 |
| 144 | Electrolytes and the Electric Double Layer. Advances in Chemical Physics, 2007, , 1-159. | 0.3 | 90 |

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| 145 | Control of Quantum Dynamics by Laser Pulses: Adiabatic Floquet Theory. Advances in Chemical Physics, 2003, , 147-267. | 0.3 | 89 |
| 146 | Recent Developments in the Study of Monolayers at the Air-Water Interface. Advances in Chemical Physics, 2007, , 397-449. | 0.3 | 89 |
| 147 | The Theoretical Investigation of the Electron Affinity of Chemical Compounds. Advances in Chemical Physics, 2007, , 169-221. | 0.3 | 88 |
| 148 | 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 |
| 149 | Structure of the liquidâ€“vapor interface of water. Journal of Chemical Physics, 1985, 82, 4391-4392. | 1.2 | 87 |
| 150 | Nonequilibrium Phase Transitions and Chemical Instabilities. Advances in Chemical Physics, 2007, , 311-355. | 0.3 | 87 |
| 151 | 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 |
| 152 | Intrinsic Viscosity and the Polarizability of Particles Having a Wide Range of Shapes. Advances in Chemical Physics, 2007, , 85-153. | 0.3 | 85 |
| 153 | Theory of Collision-Induced Line Shapes-Absorption and Light Scattering at Low Density. Advances in Chemical Physics, 2007, , 49-112. | 0.3 | 85 |
| 154 | Picosecond Time-Resolved Dynamics of Vibrational-Energy Redistribution and Coherence in Beam-Isolated Molecules. Advances in Chemical Physics, 2007, , 265-364. | 0.3 | 84 |
| 155 | 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 |
| 156 | Do Exciton States Exist in the Liquid Phase?. Journal of Chemical Physics, 1966, 44, 4470-4472. | 1.2 | 82 |
| 157 | Theory of Dynamical Properties of Dielectric Surfaces. Advances in Chemical Physics, 2007, , 355-541. | 0.3 | 82 |
| 158 | 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 |
| 159 | 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 |
| 160 | Fluorescence spectroscopy of cold and warm naphthalene molecules: Some new vibrational assignments. Journal of Chemical Physics, 1981, 75, 5685-5693. | 1.2 | 80 |
| 161 | The Dissociation Dynamics of Energy-Selected Ions. Advances in Chemical Physics, 2007, , 111-202. | 0.3 | 80 |
| 162 | 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 |

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| 163 | Structure and Dynamics of Low-Temperature Water as Studied by Scattering Techniques. Advances in Chemical Physics, 2007, , 1-45. | 0.3 | 80 |
| 164 | Kinetic Theory of Chemical Reactions in Liquids. Advances in Chemical Physics, 2007, , 71-181. | 0.3 | 80 |
| 165 | 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 |
| 166 | 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 |
| 167 | Interfering for the good of a chemical reaction. Nature, 2001, 409, 422-426. | 13.7 | 79 |
| 168 | Electron-Correlated Approaches for the Calculation of NMR Chemical Shifts. Advances in Chemical Physics, 2003, , 355-422. | 0.3 | 79 |
| 169 | Principles and Applications of Multiple-Quantum Nmr. Advances in Chemical Physics, 2007, , 1-152. | 0.3 | 79 |
| 170 | Electron-Impact Spectrometry. Advances in Chemical Physics, 2007, , 15-90. | 0.3 | 78 |
| 171 | Theory of Radiationless Transitions in an Isolated Molecule. Journal of Chemical Physics, 1968, 49, 610-621. | 1.2 | 77 |
| 172 | Stability and Dissipative Structures in Open Systems far from Equilibrium. Advances in Chemical Physics, 2007, , 209-324. | 0.3 | 77 |
| 173 | Low-Energy Electron Diffraction. Advances in Chemical Physics, 0, , 215-339. | 0.3 | 77 |
| 174 | Vibrationâ†'Vibration Energy Transfer. Advances in Chemical Physics, 2007, , 41-83. | 0.3 | 76 |
| 175 | Single vibronic level fluoresence from aniline. Journal of Chemical Physics, 1979, 70, 2511-2520. | 1.2 | 75 |
| 176 | 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 |
| 177 | The OH stretching spectrum of liquid water: A random network model interpretation. Journal of Chemical Physics, 1983, 78, 4817-4823. | 1.2 | 75 |
| 178 | Phase space bottlenecks and statistical theories of isomerization reactions. Journal of Chemical Physics, 1987, 86, 2020-2035. | 1.2 | 75 |
| 179 | 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 |
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| 182 | Electron Transfer and Exciplex Chemistry. Advances in Chemical Physics, 2007, , 431-496. | 0.3 | 74 |
| 183 | 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 |
| 184 | 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 |
| 185 | Solid-Fluid Equilibrium: Insights from Simple Molecular Models. Advances in Chemical Physics, 2007, , 113-179. | 0.3 | 73 |
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