Abrahan Nitzan

List of Publications by Year
in descending order

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208 papers	18,348 citations	22153 59 h-index	14208 128 g-index
212 all docs	212 docs citations	212 times ranked	10497 citing authors

#	Article	IF	Citations
1	Energy transfer and thermoelectricity in molecular junctions in non-equilibrated solvents. Journal of Chemical Physics, 2022, 156, 094306.	3.0	8
2	Molecular Polaritonics: Chemical Dynamics Under Strong Lightâ€“Matter Coupling. Annual Review of Physical Chemistry, 2022, 73, 43-71.	10.8	77
3	Edge State Quantum Interference in Twisted Graphitic Interfaces. Advanced Science, 2022, , 2102261.	11.2	2
4	Heat conduction in polymer chains: Effect of substrate on the thermal conductance. Journal of Chemical Physics, 2022, 156, 144901.	3.0	9
5	Polariton relaxation under vibrational strong coupling: Comparing cavity molecular dynamics simulations against Fermiâ€™s golden rule rate. Journal of Chemical Physics, 2022, 156, 134106.	3.0	10
6	Coupling, lifetimes, and â€œstrong couplingâ€•maps for single molecules at plasmonic interfaces. Journal of Chemical Physics, 2022, 156, 154303.	3.0	4
7	Quantum Simulations of Vibrational Strong Coupling via Path Integrals. Journal of Physical Chemistry Letters, 2022, 13, 3890-3895.	4.6	10
8	Cavity molecular dynamics simulations of vibrational polariton-enhanced molecular nonlinear absorption. Journal of Chemical Physics, 2021, 154, 094124.	3.0	39
9	Collective Vibrational Strong Coupling Effects on Molecular Vibrational Relaxation and Energy Transfer: Numerical Insights via Cavity Molecular Dynamics Simulations**. Angewandte Chemie - International Edition, 2021, 60, 15533-15540.	13.8	43
10	Collective Vibrational Strong Coupling Effects on Molecular Vibrational Relaxation and Energy Transfer: Numerical Insights via Cavity Molecular Dynamics Simulations**. Angewandte Chemie, 2021, 133, 15661-15668.	2.0	22
11	Heat transport induced by electron transfer: A general temperature quantum calculation. Journal of Chemical Physics, 2021, 155, 194104.	3.0	1
12	Stochastic simulation of nonequilibrium heat conduction in extended molecular junctions. Journal of Chemical Physics, 2020, 153, 144113.	3.0	11
13	Cavity molecular dynamics simulations of liquid water under vibrational ultrastrong coupling. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 18324-18331.	7.1	79
14	Transport and thermodynamics in quantum junctions: A scattering approach. Journal of Chemical Physics, 2020, 152, 244126.	3.0	5
15	Heat conduction in polymer chains with controlled end-to-end distance. Journal of Chemical Physics, 2020, 153, 164903.	3.0	13
16	Local Atomic Heat Currents and Classical Interference in Single-Molecule Heat Conduction. Journal of Physical Chemistry Letters, 2020, 11, 4261-4268.	4.6	11
17	Energy, Work, Entropy, and Heat Balance in Marcus Molecular Junctions. Journal of Physical Chemistry B, 2020, 124, 2632-2642.	2.6	10
18	Quasiclassical modeling of cavity quantum electrodynamics. Physical Review A, 2020, 101, .	2.5	26

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19	On the origin of ground-state vacuum-field catalysis: Equilibrium consideration. Journal of Chemical Physics, 2020, 152, 234107.	3.0	81
20	Nonadiabatic Dynamics in a Laser Field: Using Floquet Fewest Switches Surface Hopping To Calculate Electronic Populations for Slow Nuclear Velocities. Journal of Chemical Theory and Computation, 2020, 16, 821-834.	5.3	13
21	Charge Transfer through Redox Molecular Junctions in Nonequilibrated Solvents. Journal of Physical Chemistry Letters, 2020, 11, 1729-1737.	4.6	14
22	Numerical Approach to Nonequilibrium Quantum Thermodynamics: Nonperturbative Treatment of the Driven Resonant Level Model Based on the Driven Liouville von-Neumann Formalism. Journal of Chemical Theory and Computation, 2020, 16, 1232-1248.	5.3	16
23	Wiedemannâ€“Franz Law for Molecular Hopping Transport. Nano Letters, 2020, 20, 989-993.	9.1	21
24	Understanding detailed balance for an electron-radiation system through mixed quantum-classical electrodynamics. Physical Review A, 2019, 100, .	2.5	6
25	Energy Transfer and Interference by Collective Electromagnetic Coupling. Nano Letters, 2019, 19, 5790-5795.	9.1	8
26	Electron transfer in confined electromagnetic fields. Journal of Chemical Physics, 2019, 150, 174122.	3.0	56
27	Predictive Semiclassical Model for Coherent and Incoherent Emission in the Strong Field Regime: The Mollow Triplet Revisited. Journal of Physical Chemistry Letters, 2019, 10, 1331-1336.	4.6	8
28	Evaluation of dynamical properties of open quantum systems using the driven Liouville-von Neumann approach: methodological considerations. Molecular Physics, 2019, 117, 2083-2096.	1.7	13
29	Concepts in the design and engineering of single-molecule electronic devices. Nature Reviews Physics, 2019, 1, 211-230.	26.6	327
30	Ehrenfest+R dynamics. I. A mixed quantumâ€“classical electrodynamics simulation of spontaneous emission. Journal of Chemical Physics, 2019, 150, 044102.	3.0	24
31	Ehrenfest+R dynamics. II. A semiclassical QED framework for Raman scattering. Journal of Chemical Physics, 2019, 150, 044103.	3.0	12
32	Understanding the nature of mean-field semiclassical light-matter dynamics: An investigation of energy transfer, electron-electron correlations, external driving, and long-time detailed balance. Physical Review A, 2019, 100, .	2.5	3
33	Upside/Downside statistical mechanics of nonequilibrium Brownian motion. I. Distributions, moments, and correlation functions of a free particle. Journal of Chemical Physics, 2018, 148, 044101.	3.0	4
34	Quantum thermodynamics for driven dissipative bosonic systems. Physical Review B, 2018, 97, .	3.2	17
35	Thermally induced charge current through long molecules. Journal of Chemical Physics, 2018, 148, 024303.	3.0	6
36	Mixed quantum-classical electrodynamics: Understanding spontaneous decay and zero-point energy. Physical Review A, 2018, 97, .	2.5	27

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37	Upside/Downside statistical mechanics of nonequilibrium Brownian motion. II. Heat transfer and energy partitioning of a free particle. Journal of Chemical Physics, 2018, 149, 104103.	3.0	3
38	Electron-Transfer-Induced Thermal and Thermoelectric Rectification. Physical Review Letters, 2018, 121, 247704.	7.8	31
39	A Necessary Trade-off for Semiclassical Electrodynamics: Accurate Short-Range Coulomb Interactions versus the Enforcement of Causality?. Journal of Physical Chemistry Letters, 2018, 9, 5955-5961.	4.6	8
40	Electronic noise due to temperature differences in atomic-scale junctions. Nature, 2018, 562, 240-244.	27.8	72
41	Simultaneous weak measurement of non-commuting observables: a generalized Arthurs-Kelly protocol. Scientific Reports, 2018, 8, 15781.	3.3	12
42	Universal approach to quantum thermodynamics in the strong coupling regime. Physical Review B, 2018, 98, .	3.2	39
43	Kinetic Schemes in Open Interacting Systems. Journal of Physical Chemistry Letters, 2018, 9, 4886-4892.	4.6	12
44	Label-Free Dynamic Detection of Single-Molecule Nucleophilic-Substitution Reactions. Nano Letters, 2018, 18, 4156-4162.	9.1	48
45	Electron transfer at thermally heterogeneous molecule-metal interfaces. Journal of Chemical Physics, 2017, 146, .	3.0	31
46	Electron-transfer-induced and phononic heat transport in molecular environments. Journal of Chemical Physics, 2017, 147, 124101.	3.0	18
47	Optics of exciton-plasmon nanomaterials. Journal of Physics Condensed Matter, 2017, 29, 443003.	1.8	73
48	Electrothermal Transistor Effect and Cyclic Electronic Currents in Multithermal Charge Transfer Networks. Physical Review Letters, 2017, 118, 207201.	7.8	24
49	Maximum efficiency of state-space models of nanoscale energy conversion devices. Journal of Chemical Physics, 2016, 145, 014108.	3.0	14
50	Plasmon transmission through excitonic subwavelength gaps. Journal of Chemical Physics, 2016, 144, 144703.	3.0	8
51	On the widths of Stokes lines in Raman scattering from molecules adsorbed at metal surfaces and in molecular conduction junctions. Journal of Chemical Physics, 2016, 144, 244114.	3.0	3
52	Energy distribution and local fluctuations in strongly coupled open quantum systems: The extended resonant level model. Physical Review B, 2016, 94, .	3.2	35
53	Quantum thermodynamics of the driven resonant level model. Physical Review B, 2016, 93, .	3.2	73
54	Electron transfer across a thermal gradient. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9421-9429.	7.1	50

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55	Molecular electronic states near metal surfaces at equilibrium using potential of mean force and numerical renormalization group methods: Hysteresis revisited. Journal of Chemical Physics, 2016, 144, 074109.	3.0	15
56	Covalently bonded single-molecule junctions with stable and reversible photoswitched conductivity. Science, 2016, 352, 1443-1445.	12.6	697
57	Frictional effects near a metal surface. Journal of Chemical Physics, 2015, 143, 054103.	3.0	42
58	Surface hopping with a manifold of electronic states. III. Transients, broadening, and the Marcus picture. Journal of Chemical Physics, 2015, 142, 234106.	3.0	38
59	Theory of Light Emission from Quantum Noise in Plasmonic Contacts: Above-Threshold Emission from Higher-Order Electron-Plasmon Scattering. Physical Review Letters, 2015, 114, 126803.	7.8	63
60	Irreversibility in redox molecular conduction: single versus double metal-molecule interfaces. Electrochimica Acta, 2015, 160, 363-375.	5.2	13
61	Surface hopping with a manifold of electronic states. II. Application to the many-body Anderson-Holstein model. Journal of Chemical Physics, 2015, 142, 084110.	3.0	46
62	Comment on â€œFrequency-domain stimulated and spontaneous light emission signals at molecular junctionsâ€•[J. Chem. Phys. 141, 074107 (2014)]. Journal of Chemical Physics, 2015, 142, 137101.	3.0	5
63	Nuclear Dynamics at Moleculeâ€“Metal Interfaces: A Pseudoparticle Perspective. Journal of Physical Chemistry Letters, 2015, 6, 4898-4903.	4.6	27
64	Network Analysis of Photovoltaic Energy Conversion. Journal of Physical Chemistry C, 2014, 118, 27226-27234.	3.1	20
65	Coherent and Diffusive Time Scales for Exciton Dissociation in Bulk Heterojunction Photovoltaic Cells. Journal of Physical Chemistry C, 2014, 118, 27235-27244.	3.1	23
66	Numerical Calculations of Radiative and Non-Radiative Relaxation of Molecules Near Metal Particles. Journal of Physical Chemistry C, 2014, 118, 10545-10551.	3.1	22
67	Irreversibility and Hysteresis in Redox Molecular Conduction Junctions. Journal of the American Chemical Society, 2013, 135, 9420-9432.	13.7	62
68	Charge-carrier-induced frequency renormalization, damping, and heating of vibrational modes in nanoscale junctions. Physical Review B, 2013, 88, .	3.2	35
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71	Raman scattering from molecular conduction junctions: Charge transfer mechanism. Physical Review B, 2012, 85, .	3.2	26
72	On the relationship between molecular state and single electron pictures in simple electrochemical junctions. Physical Chemistry Chemical Physics, 2012, 14, 13746.	2.8	59

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73	Molecular optoelectronics: the interaction of molecular conduction junctions with light. Physical Chemistry Chemical Physics, 2012, 14, 9421.	2.8	156
74	Magnetic fields effects on the electronic conduction properties of molecular ring structures. Physical Review B, 2012, 85, .	3.2	52
75	Heterojunction Organic Photovoltaic Cells as Molecular Heat Engines: A Simple Model for the Performance Analysis. Journal of Physical Chemistry C, 2011, 115, 21396-21401.	3.1	33
76	Magnetic Field Control of the Current through Molecular Ring Junctions. Journal of Physical Chemistry Letters, 2011, 2, 2118-2124.	4.6	46
77	Raman Scattering and Electronic Heating in Molecular Conduction Junctions. Journal of Physical Chemistry Letters, 2011, 2, 2110-2113.	4.6	26
78	Nonlinear Charge Transport in Redox Molecular Junctions: A Marcus Perspective. ACS Nano, 2011, 5, 6669-6685.	14.6	111
79	Numerical studies of the interaction of an atomic sample with the electromagnetic field in two dimensions. Physical Review A, 2011, 84, .	2.5	68
80	Raman scattering from biased molecular conduction junctions: The electronic background and its temperature. Physical Review B, 2011, 84, .	3.2	32
81	Circular Currents in Molecular Wires. Journal of Physical Chemistry C, 2010, 114, 20583-20594.	3.1	77
82	Kramers barrier crossing as a cooling machine. Chemical Physics, 2010, 375, 399-402.	1.9	6
83	Unidirectional hopping transport of interacting particles on a finite chain. Journal of Chemical Physics, 2010, 133, 054102.	3.0	18
84	Coherent charge transport through molecular wires: Exciton blocking and current from electronic excitations in the wire. Physical Review B, 2010, 81, .	3.2	23
85	Steady-State Theory of Current Transfer. Journal of Physical Chemistry C, 2010, 114, 8005-8013.	3.1	20
86	Nonlinear hopping transport in ring systems and open channels. Physical Chemistry Chemical Physics, 2010, 12, 645-654.	2.8	20
87	Molecular Conduction Junctions: Intermolecular Effects. , 2010, , 159-182.		0
88	Cooling mechanisms in molecular conduction junctions. Physical Review B, 2009, 80, .	3.2	85
89	Raman scattering in current-carrying molecular junctions. Journal of Chemical Physics, 2009, 130, 144109.	3.0	66
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91	Raman Scattering from Nonequilibrium Molecular Conduction Junctions. Nano Letters, 2009, 9, 758-762.	9.1	43
92	Nonequilibrium steady state transport via the reduced density matrix operator. Journal of Chemical Physics, 2009, 130, 144105.	3.0	52
93	Inelastic transport in the Coulomb blockade regime within a nonequilibrium atomic limit. Physical Review B, 2008, 78, .	3.2	59
94	Inelastic effects in molecular junction transport: scattering and self-consistent calculations for the Seebeck coefficient. Molecular Physics, 2008, 106, 397-404.	1.7	74
95	Dissipative two-electron transfer: A numerical renormalization group study. Physical Review B, 2008, 78, .	3.2	19
96	Activated Rate Processes in Condensed Phases: the Kramers Theory Revisited. Advances in Chemical Physics, 2007, , 489-555.	0.3	70
97	Inelastic effects in molecular junctions in the Coulomb and Kondo regimes: Nonequilibrium equation-of-motion approach. Physical Review B, 2007, 76, .	3.2	79
98	Heat conduction in molecular transport junctions. Physical Review B, 2007, 75, .	3.2	187
99	Molecules Take the Heat. Science, 2007, 317, 759-760.	12.6	51
100	Molecular transport junctions: vibrational effects. Journal of Physics Condensed Matter, 2007, 19, 103201.	1.8	618
101	Resonant inelastic tunneling in molecular junctions. Physical Review B, 2006, 73, .	3.2	204
102	Inelastic tunneling effects on noise properties of molecular junctions. Physical Review B, 2006, 74, .	3.2	89
103	Current-induced nonequilibrium vibrations in single-molecule devices. Physical Review B, 2006, 73, .	3.2	119
104	Chemical Dynamics in Condensed Phases. , 2006, , .		908
105	Heat rectification in molecular junctions. Journal of Chemical Physics, 2005, 122, 194704.	3.0	99
106	Hysteresis, Switching, and Negative Differential Resistance in Molecular Junctions:Â A Polaron Model. Nano Letters, 2005, 5, 125-130.	9.1	296
107	Spin-Boson Thermal Rectifier. Physical Review Letters, 2005, 94, 034301.	7.8	334
108	Tight-Binding Description of the STM Image of Molecular Chains. Israel Journal of Chemistry, 2004, 44, 133-143.	2.3	13

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109	Foreword by the Guest Editors: Perspectives in the Chemical Sciences (Honoring Prof. Joshua Jortner) PART B. Israel Journal of Chemistry, 2004, 44, NA-NA.	2.3	0
110	On the Line Widths of Vibrational Features in Inelastic Electron Tunneling Spectroscopy. Nano Letters, 2004, 4, 1605-1611.	9.1	113
111	Inelastic electron tunneling spectroscopy in molecular junctions: Peaks and dips. Journal of Chemical Physics, 2004, 121, 11965-11979.	3.0	320
112	Foreword by the Guest Editors: Perspectives in the Chemical Sciences (Honoring Prof. Joshua Jortner) PART A. Israel Journal of Chemistry, 2003, 43, NA-NA.	2.3	0
113	Molecular Wire Junctions:Â Tuning the Conductance. Journal of Physical Chemistry B, 2003, 107, 91-95.	2.6	55
114	Electron Transport in Molecular Wire Junctions. Science, 2003, 300, 1384-1389.	12.6	2,173
115	Thermal conductance through molecular wires. Journal of Chemical Physics, 2003, 119, 6840-6855.	3.0	338
116	Rectification of laser-induced electronic transport through molecules. Journal of Chemical Physics, 2003, 118, 3283-3293.	3.0	81
117	Vibronic effects in off-resonant molecular wire conduction. Journal of Chemical Physics, 2003, 118, 6072-6082.	3.0	122
118	Effects of initial state preparation on the distance dependence of electron transfer through molecular bridges and wires. Journal of Chemical Physics, 2003, 119, 6271-6276.	3.0	33
119	A rate constant expression for charge transfer through fluctuating bridges. Journal of Chemical Physics, 2003, 119, 5782-5788.	3.0	133
120	The electrostatic potential profile along a biased molecular wire: A model quantum-mechanical calculation. Journal of Chemical Physics, 2003, 118, 3756-3763.	3.0	42
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122	The relationship between electron transfer rate and molecular conduction 2. The sequential hopping case. Israel Journal of Chemistry, 2002, 42, 163-166.	2.3	53
123	Traversal Times for Resonant Tunnelingâ€. Journal of Physical Chemistry B, 2002, 106, 8306-8312.	2.6	8
124	Numerical computation of tunneling fluxes. Journal of Chemical Physics, 2002, 117, 10817-10826.	3.0	41
125	Heating in current carrying molecular junctions. Journal of Chemical Physics, 2002, 117, 3915-3927.	3.0	99
126	Frictional Properties of Straight-Chain Alcohols and the Dynamics of Layering Transitions. Tribology Letters, 2002, 12, 123-129.	2.6	15

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127	Traversal time for electron tunneling in water. Journal of Chemical Physics, 2001, 114, 9205-9208.	3.0	16
128	ELECTRONTRANSMISSIONTHROUGHMOLECULES ANDMOLECULARINTERFACES. Annual Review of Physical Chemistry, 2001, 52, 681-750.	10.8	874
129	A Relationship between Electron-Transfer Rates and Molecular Conductionâ€. Journal of Physical Chemistry A, 2001, 105, 2677-2679.	2.5	188
130	Steady-state quantum mechanics of thermally relaxing systems. Chemical Physics, 2001, 268, 315-335.	1.9	56
131	Inelastic effects in electron tunneling through water layers. Journal of Chemical Physics, 2001, 115, 2681-2694.	3.0	13
132	Electron Transfer Rates in Bridged Molecular Systems 2. A Steady-State Analysis of Coherent Tunneling and Thermal Transitionsâ€. Journal of Physical Chemistry B, 2000, 104, 3817-3829.	2.6	298
133	Tunneling Time for Electron Transfer Reactions. Journal of Physical Chemistry B, 2000, 104, 5661-5665.	2.6	92
134	Transient resonance structures in electron tunneling through water. Journal of Chemical Physics, 1999, 111, 7558-7566.	3.0	42
135	Perturbation theory approach to tunneling: Direct and resonance transmission in super-exchange models. Journal of Chemical Physics, 1999, 111, 1569-1579.	3.0	21
136	Ultrafast relaxation in water. Nature, 1999, 402, 473-475.	27.8	25
137	Electron Transmission through Molecular Layers:â€‰ Numerical Simulations and Theoretical Considerations. Accounts of Chemical Research, 1999, 32, 854-861.	15.6	24
138	Computing vibrational energy relaxation for high-frequency modes in condensed environments. Journal of Chemical Physics, 1997, 107, 10470-10479.	3.0	54
139	Constant pressure simulations of lattice gas models. Journal of Chemical Physics, 1997, 106, 3703-3709.	3.0	11
140	Electron tunneling through water layers: Effect of layer structure and thickness. Journal of Chemical Physics, 1997, 106, 6647-6654.	3.0	49
141	Asymmetric tunneling through ordered molecular layers. Journal of Chemical Physics, 1997, 106, 1291-1293.	3.0	20
142	Electron Transfer Rates in Bridged Molecular Systems:Â A Phenomenological Approach to Relaxation. Journal of Physical Chemistry A, 1997, 101, 6158-6164.	2.5	182
143	Phenomenology of Electron Solvation in Polar Fluids. The Journal of Physical Chemistry, 1996, 100, 18916-18923.	2.9	15
144	Dynamically disordered hopping, glass transition, and polymer electrolytes. Journal of Chemical Physics, 1995, 103, 3253-3261.	3.0	27

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145	Solvation dynamics in dielectric solvents with restricted molecular rotations: Polyethers. Journal of Chemical Physics, 1995, 102, 7180-7196.	3.0	70
146	On the application of instantaneous normal mode analysis to long time dynamics of liquids. Journal of Chemical Physics, 1995, 103, 2169-2177.	3.0	45
147	Numerical studies of solvation dynamics in electrolyte solutions. AIP Conference Proceedings, 1994, , .	0.4	3
148	Lattice theory of solvation and dissociation in macromolecular fluids. II. Quasichemical approximation. Journal of Chemical Physics, 1994, 101, 2338-2349.	3.0	13
149	Lattice theory of solvation and dissociation in macromolecular fluids. I. Mean field approximation. Journal of Chemical Physics, 1994, 100, 705-718.	3.0	18
150	Electron tunneling through a dielectric barrier. Journal of Chemical Physics, 1994, 101, 8224-8237.	3.0	8
151	Numerical simulations of solvation dynamics in electrolyte solutions. Journal of Chemical Physics, 1994, 100, 3855-3868.	3.0	49
152	The Mechanism and Modeling of Conductivity in Polymer Electrolytes. Materials Research Society Symposia Proceedings, 1994, 369, 245.	0.1	0
153	Semiclassical evaluation of nonadiabatic rates in condensed phases. Journal of Chemical Physics, 1993, 99, 1109-1123.	3.0	204
154	MULTIDIMENSIONAL BARRIER CROSSING. , 1993, , 42-81.		5
155	Comment on: Selfâ€consistent theory of polymer dynamics in melts. Journal of Chemical Physics, 1992, 97, 3873-3874.	3.0	9
156	Simulations of solvation dynamics in simple polar solvents. Journal of Chemical Physics, 1992, 96, 5433-5440.	3.0	111
157	Dynamics of Multidimensional Barrier Crossing in the Overdamped Limit. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1991, 95, 319-326.	0.9	19
158	On the nonclassical asymptotic behavior of electronic properties in metal clusters. Journal of Chemical Physics, 1991, 95, 9024-9027.	3.0	20
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161	Dynamic bond percolation theory for diffusion of interacting particles: Tracer diffusion in a binary mixture lattice gas. Journal of Chemical Physics, 1990, 93, 5918-5934.	3.0	11
162	Dynamics of excess electron migration, solvation, and spectra in polar molecular clusters. Journal of Chemical Physics, 1989, 91, 5567-5580.	3.0	60

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163	Relaxation dynamics following transition of solvated electrons. Journal of Chemical Physics, 1989, 90, 4413-4422.	3.0	117
164	Quantum simulations and ab initio electronic structure studies of (H2O)â^'2. Journal of Chemical Physics, 1989, 91, 7797-7808.	3.0	59
165	Correlated dynamic percolation: Many bond effectiveâ€medium theory. Journal of Chemical Physics, 1989, 90, 3784-3794.	3.0	32
166	Vibrational energy transfer in solutions: From diffusive to impulsive binary collisions. Journal of Chemical Physics, 1988, 89, 5589-5597.	3.0	5
167	The effect of small cluster environment on molecular oscillator strengths and spectra. Journal of Chemical Physics, 1988, 88, 3516-3523.	3.0	21
168	Dynamics and spectra of a solvated electron in water clusters. Journal of Chemical Physics, 1988, 89, 2242-2256.	3.0	106
169	Traversal time for tunneling: Local aspects. Journal of Chemical Physics, 1988, 88, 3871-3878.	3.0	13
170	Nonâ€Markovian theory of activated rate processes. VI. Unimolecular reactions in condensed phases. Journal of Chemical Physics, 1987, 86, 2734-2749.	3.0	41
171	Path integral approach to electrostatic problems. Journal of Chemical Physics, 1987, 86, 3557-3564.	3.0	6
172	Random walk in dynamically disordered systems. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1987, 56, 853-859.	0.6	12
173	Unimolecular reactions in condensed phases: Is the turnover in the viscosity dependence of the rate observable?. Journal of Chemical Physics, 1985, 82, 1614-1616.	3.0	34
174	Photophysics and photochemistry near surfaces and small particles. Surface Science, 1985, 158, 165-189.	1.9	177
175	Nonâ€Markovian theory of activated rate processes. IV. The double well model. Journal of Chemical Physics, 1984, 80, 3596-3605.	3.0	62
176	Accelerated energy transfer between molecules near a solid particle. Chemical Physics Letters, 1984, 104, 31-37.	2.6	130
177	Stochastic classical trajectory approach to relaxation phenomena. III. Comparison of trajectory results to quantum mechanical perturbation theory. Journal of Chemical Physics, 1983, 78, 3959-3963.	3.0	32
178	Dynamic bond percolation theory: A microscopic model for diffusion in dynamically disordered systems. I. Definition and oneâ€dimensional case. Journal of Chemical Physics, 1983, 79, 3133-3142.	3.0	279
179	Motion mechanisms in framework solid electrolytes: Correlated hopping and liquidlike diffusion. Journal of Chemical Physics, 1983, 78, 4154-4161.	3.0	10
180	Nonâ€Markovian theory of activated rate processes. I. Formalism. Journal of Chemical Physics, 1983, 79, 393-404.	3.0	97

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183	Spectroscopic properties of molecules interacting with small dielectric particles. Journal of Chemical Physics, 1981, 75, 1139-1152.	3.0	676
184	Finite time optimizations of a Newtonâ€™s law Carnot cycle. Journal of Chemical Physics, 1981, 74, 3546-3560.	3.0	209
185	Can photochemistry be enhanced on rough surfaces?. Journal of Chemical Physics, 1981, 74, 5321-5322.	3.0	98
186	Theoretical model for enhanced photochemistry on rough surfaces. Journal of Chemical Physics, 1981, 75, 2205-2214.	3.0	254
187	Random coupling models for intramolecular dynamics. I. Mathematical approach. Journal of Chemical Physics, 1980, 72, 2054-2069.	3.0	53
188	Numerical simulations of molecular multiphoton excitation models. Journal of Chemical Physics, 1980, 72, 1928-1937.	3.0	35
189	Random coupling models for intramolecular dynamics. II. Kinetic equations for collisionless multiphoton excitation of large molecules. Journal of Chemical Physics, 1980, 72, 2070-2080.	3.0	27
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192	Stochastic classical trajectory approach to relaxation phenomena. I. Vibrational relaxation of impurity molecules in solid matrices. Journal of Chemical Physics, 1978, 69, 336.	3.0	75
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