Noam Agmon

List of Publications by Year
in descending order

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177 papers	12,461 citations	30070 54 h-index	25787 108 g-index
183 all docs	183 docs citations	183 times ranked	8495 citing authors

#	Article	IF	Citations
1	Temperature and Nuclear Quantum Effects on the Stretching Modes of the Water Hexamer. Journal of Physical Chemistry A, 2020, 124, 8201-8208.	2.5	0
2	Temperature Dependence of Intramolecular Vibrational Bands in Small Water Clusters. Journal of Physical Chemistry B, 2019, 123, 9428-9442.	2.6	19
3	Ionic radii of hydrated sodium cation from QTAIM. Journal of Chemical Physics, 2019, 150, 034304.	3.0	10
4	Thermally Induced Hydrogen-Bond Rearrangements in Small Water Clusters and the Persistent Water Tetramer. ACS Omega, 2019, 4, 22581-22590.	3.5	12
5	The protonated water trimer and its giant Fermi resonances. Chemical Physics, 2018, 514, 164-175.	1.9	8
6	Reinvestigation of the Infrared Spectrum of the Gas-Phase Protonated Water Tetramer. Journal of Physical Chemistry A, 2017, 121, 3056-3070.	2.5	24
7	Isoelectronic Theory for Cationic Radii. Journal of the American Chemical Society, 2017, 139, 15068-15073.	13.7	23
8	Origin of proton affinity to membrane/water interfaces. Scientific Reports, 2017, 7, 4553.	3.3	49
9	Charge Transfer in Proteins: In Celebration of Hemi Gutman's 80â€‰th Birthday. Israel Journal of Chemistry, 2017, 57, 355-356.	2.3	0
10	Proton Wire Dynamics in the Green Fluorescent Protein. Journal of Chemical Theory and Computation, 2017, 13, 353-369.	5.3	38
11	Structure, spectroscopy, and dynamics of the phenol-(water)2 cluster at low and high temperatures. Journal of Chemical Physics, 2017, 147, 234307.	3.0	8
12	Reversible Excited-State Proton Geminate Recombination: Revisited. Journal of Physical Chemistry B, 2016, 120, 12615-12632.	2.6	37
13	Complete Assignment of the Infrared Spectrum of the Gas-Phase Protonated Ammonia Dimer. Journal of Physical Chemistry A, 2016, 120, 3117-3135.	2.5	19
14	Protons and Hydroxide Ions in Aqueous Systems. Chemical Reviews, 2016, 116, 7642-7672.	47.7	358
15	The acid test for water structure. Nature Chemistry, 2016, 8, 206-207.	13.6	13
16	Structure and Spectroscopy of Hydrated Sodium Ions at Different Temperatures and the Cluster Stability Rules. Journal of Chemical Theory and Computation, 2016, 12, 1656-1673.	5.3	54
17	Protonated Water Dimer on Benzene: Standing Eigen or Crouching Zundel?. Journal of Physical Chemistry B, 2015, 119, 2658-2667.	2.6	15
18	The Hole in the Barrel: Water Exchange at the GFP Chromophore. Journal of Physical Chemistry B, 2015, 119, 3464-3478.	2.6	21

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19	Both Zundel and Eigen Isomers Contribute to the IR Spectrum of the Gas-Phase H₉O₄⁺ Cluster. Journal of Physical Chemistry B, 2014, 118, 278-286.	2.6	56
20	Deciphering the infrared spectrum of the protonated water pentamer and the hybrid Eigenâ€“Zundel cation. Physical Chemistry Chemical Physics, 2014, 16, 4933.	2.8	29
21	Network analysis of proton transfer in liquid water. Journal of Chemical Physics, 2014, 140, 244502.	3.0	11
22	Covalent radii from ionization energies of isoelectronic series. Chemical Physics Letters, 2014, 595-596, 214-219.	2.6	11
23	On the Origin of Proton Mobility Suppression in Aqueous Solutions of Amphiphiles. Journal of Physical Chemistry B, 2013, 117, 15426-15435.	2.6	12
24	A â€˜clusters-in-liquidâ€™ method for calculating infrared spectra identifies the proton-transfer mode in acidic aqueous solutions. Nature Chemistry, 2013, 5, 29-35.	13.6	109
25	Statistics of Language Morphology Change: From Biconsonantal Hunters to Triconsonantal Farmers. PLoS ONE, 2013, 8, e83780.	2.5	5
26	Liquid Water: From Symmetry Distortions to Diffusive Motion. Accounts of Chemical Research, 2012, 45, 63-73.	15.6	78
27	Green's function for reversible geminate reaction with volume reactivity. Journal of Chemical Physics, 2012, 137, 184103.	3.0	13
28	Comparison of Alternate Approaches for Reversible Geminate Recombination. Bulletin of the Korean Chemical Society, 2012, 33, 1020-1028.	1.9	10
29	The residence probability: single molecule fluorescence correlation spectroscopy and reversible geminate recombination. Physical Chemistry Chemical Physics, 2011, 13, 16548.	2.8	10
30	Proton fronts on membranes. Nature Chemistry, 2011, 3, 840-842.	13.6	43
31	Single Molecule Diffusion and the Solution of the Spherically Symmetric Residence Time Equation. Journal of Physical Chemistry A, 2011, 115, 5838-5846.	2.5	19
32	Diffusion across proton collecting surfaces. Chemical Physics, 2010, 370, 232-237.	1.9	14
33	The residence time equation. Chemical Physics Letters, 2010, 497, 184-186.	2.6	18
34	Materials and Language: Pre-Semitic Root Structure Change Concomitant with Transition to Agriculture. Brill's Journal of Afroasiatic Languages and Linguistics, 2010, 2, 23-79.	0.1	5
35	Kinetics of Proton Migration in Liquid Water. Journal of Physical Chemistry B, 2010, 114, 333-339.	2.6	75
36	Visualizing Proton Antenna in a High-Resolution Green Fluorescent Protein Structure. Journal of the American Chemical Society, 2010, 132, 11093-11102.	13.7	83

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37	Multisite reversible geminate reaction. Journal of Chemical Physics, 2009, 130, 074507.	3.0	16
38	Distance-Dependent Proton Transfer along Water Wires Connecting Acidâ^'Base Pairs. Journal of Physical Chemistry A, 2009, 113, 6599-6606.	2.5	77
39	Mapping Proton Wires in Proteins: Carbonic Anhydrase and GFP Chromophore Biosynthesis. Journal of Physical Chemistry A, 2009, 113, 7253-7266.	2.5	39
40	Concentration Profiles near an Activated Enzyme. Journal of Physical Chemistry B, 2008, 112, 12104-12114.	2.6	10
41	Special Pair Dance and Partner Selection: Elementary Steps in Proton Transport in Liquid Water. Journal of Physical Chemistry B, 2008, 112, 9456-9466.	2.6	291
42	Reversible geminate recombination of hydrogen-bonded water molecule pair. Journal of Chemical Physics, 2008, 129, 084505.	3.0	36
43	Theory and Simulation of Diffusion-Controlled Michaelisâ^'Menten Kinetics for a Static Enzyme in Solutionâ€. Journal of Physical Chemistry B, 2008, 112, 5977-5987.	2.6	39
44	The distribution of acceptor and donor hydrogen-bonds in bulk liquid water. Molecular Physics, 2008, 106, 485-495.	1.7	31
45	Structure and Energetics of the Hydronium Hydration Shells. Journal of Physical Chemistry A, 2007, 111, 2253-2256.	2.5	205
46	Kinetics of Switchable Proton Escape from a Proton-Wire within Green Fluorescence Protein. Journal of Physical Chemistry B, 2007, 111, 7870-7878.	2.6	43
47	Deactivation Mechanism of the Green Fluorescent Chromophore. Journal of Physical Chemistry B, 2006, 110, 4434-4442.	2.6	69
48	Transition in the Temperature-Dependence of GFP Fluorescence: From Proton Wires to Proton Exit. Biophysical Journal, 2006, 90, 1009-1018.	0.5	80
49	Reduced parameter set determinable from geminate kinetics. Chemical Physics Letters, 2006, 417, 530-534.	2.6	9
50	A hierarchy of functionally important relaxations within myoglobin based on solvent effects, mutations and kinetic model. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2005, 1749, 234-251.	2.3	52
51	Diffusion-influenced excited-state reversible transfer reactions, A*+Bâ‡ŒC*+D, with two different lifetimes: Theories and simulations. Journal of Chemical Physics, 2005, 123, 034507.	3.0	15
52	Proton Pathways in Green Fluorescence Protein. Biophysical Journal, 2005, 88, 2452-2461.	0.5	105
53	Elementary Steps in Excited-State Proton Transfer. Journal of Physical Chemistry A, 2005, 109, 13-35.	2.5	518
54	A bond-order analysis of the mechanism for hydrated proton mobility in liquid water. Journal of Chemical Physics, 2005, 122, 014506.	3.0	229

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55	Influence of diffusion on the kinetics of excited-state associationâ€“dissociation reactions: Comparison of theory and simulation. Journal of Chemical Physics, 2004, 120, 6111-6116.	3.0	26
56	Exact solution of the excited-state geminate A*+Bâ‡„C*+D reaction with two different lifetimes and quenching. Journal of Chemical Physics, 2004, 121, 868-876.	3.0	10
57	Coupling of Protein Relaxation to Ligand Binding and Migration in Myoglobin. Biophysical Journal, 2004, 87, 1537-1543.	0.5	28
58	Transition into non-monotonic approach to equilibrium in geminate exchange reaction. Chemical Physics Letters, 2003, 371, 462-468.	2.6	4
59	Accurate solution for the many body ABCD problem. Physica A: Statistical Mechanics and Its Applications, 2003, 330, 150-159.	2.6	3
60	Middle East: university funding for Palestinians. Nature, 2003, 426, 227-227.	27.8	0
61	Relation between macroscopic and microscopic dielectric relaxation times in water dynamics. Israel Journal of Chemistry, 2003, 43, 363-371.	2.3	13
62	Three-dimensional simulations of reversible bimolecular reactions. III. The pseudo-unimolecular ABCD reaction. Journal of Chemical Physics, 2003, 118, 11057-11065.	3.0	14
63	Unified theory of reversible target reactions. Journal of Chemical Physics, 2003, 119, 6680-6690.	3.0	23
64	Three-dimensional simulations of reversible bimolecular reactions. II. The excited-state target problem with different lifetimes. Journal of Chemical Physics, 2002, 117, 4376-4385.	3.0	21
65	Exact solution for the geminate ABCD reaction. Journal of Chemical Physics, 2002, 117, 5770-5779.	3.0	26
66	Electronic Determinants of Photoacidity in Cyanonaphthols. Journal of the American Chemical Society, 2002, 124, 1089-1096.	13.7	95
67	The Dynamics of Preferential Solvation. Journal of Physical Chemistry A, 2002, 106, 7256-7260.	2.5	43
68	Challenge in Accurate Measurement of Fast Reversible Bimolecular Reaction. Journal of Physical Chemistry A, 2001, 105, 5868-5876.	2.5	33
69	Diffusion-Limited Acidâ^'Base Nonexponential Dynamics. Journal of Physical Chemistry A, 2001, 105, 7165-7173.	2.5	66
70	Three-dimensional simulation verifies theoretical asymptotics for reversible binding. Chemical Physics Letters, 2001, 340, 151-156.	2.6	20
71	Three-dimensional simulations of reversible bimolecular reactions: The simple target problem. Journal of Chemical Physics, 2001, 115, 8921-8932.	3.0	59
72	Experimental Evidence for a Kinetic Transition in Reversible Reactions. Physical Review Letters, 2001, 86, 3427-3430.	7.8	50

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73	Diffusion-influenced reversible geminate recombination in one dimension. II. Effect of a constant field. Journal of Chemical Physics, 2001, 114, 3905-3912.	3.0	27
74	Dual asymptotic behavior in geminate diffusion-influenced reaction. Chemical Physics Letters, 2000, 320, 262-268.	2.6	27
75	Primary events in photoacid dissociation. Journal of Molecular Liquids, 2000, 85, 87-96.	4.9	13
76	Mechanism of hydroxide mobility. Chemical Physics Letters, 2000, 319, 247-252.	2.6	173
77	Rigorous Derivation of the Long-Time Asymptotics for Reversible Binding. Physical Review Letters, 2000, 84, 2730-2733.	7.8	33
78	Exact long-time asymptotics for reversible binding in three dimensions. Journal of Chemical Physics, 2000, 112, 2863-2869.	3.0	41
79	Photochemistry of â€œSuperâ€•Photoacids. 2. Excited-State Proton Transfer in Methanol/Water Mixtures. Journal of Physical Chemistry A, 2000, 104, 4658-4669.	2.5	154
80	Non-Exponential Smoluchowski Dynamics in Fast Acidâ^'Base Reaction. Journal of the American Chemical Society, 2000, 122, 9838-9839.	13.7	51
81	Conformational Cycle of a Single Working Enzyme. Journal of Physical Chemistry B, 2000, 104, 7830-7834.	2.6	82
82	Excited-state reversible geminate reaction. I. Two different lifetimes. Journal of Chemical Physics, 1999, 110, 2164-2174.	3.0	87
83	Excited-state reversible geminate reaction. II. Contact geminate quenching. Journal of Chemical Physics, 1999, 110, 2175-2180.	3.0	48
84	Excited-state reversible geminate reaction. III. Exact solution for noninteracting partners. Journal of Chemical Physics, 1999, 110, 10433-10444.	3.0	56
85	Excited-state reversible geminate recombination with quenching in one dimension. Journal of Chemical Physics, 1999, 111, 3791-3799.	3.0	32
86	Kinetic transition in excited-state reversible reactions. Chemical Physics Letters, 1999, 302, 399-404.	2.6	35
87	Photochemistry of â€œSuperâ€•Photoacids. Solvent Effects. Journal of Physical Chemistry A, 1999, 103, 6984-6997.	2.5	100
88	Proton Solvation and Proton Mobility. Israel Journal of Chemistry, 1999, 39, 493-502.	2.3	95
89	Foreword by the Guest Editors. Israel Journal of Chemistry, 1999, 39, iii-iv.	2.3	4
90	Diffusion approach to the linear Poissonâ€“Boltzmann equation. Chemical Physics Letters, 1998, 284, 78-86.	2.6	1

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91	Incoherent control of protein conformational state. Chemical Physics Letters, 1998, 294, 79-86.	2.6	6
92	Residence time distribution of a Brownian particle. Physical Review E, 1998, 57, 3937-3947.	2.1	55
93	Solvatochromism of Î²-Naphthol. Journal of Physical Chemistry A, 1998, 102, 9599-9606.	2.5	96
94	Solvatochromic Shifts of â€œSuperâ€•Photoacids. Journal of the American Chemical Society, 1998, 120, 7981-7982.	13.7	102
95	Structure of Concentrated HCl Solutions. Journal of Physical Chemistry A, 1998, 102, 192-199.	2.5	61
96	Electrostatics of multilamellar vesicles: Legendre expansion and reaction-field Brownian dynamics. Journal of Chemical Physics, 1998, 108, 1216-1224.	3.0	8
97	Comment on â€œDiffusive reaction rates from Brownian dynamics simulationsâ€•[J. Chem. Phys. 97, 5682 (1992)]. Journal of Chemical Physics, 1997, 107, 6505-6506.	3.0	1
98	Trehalose Prevents Myoglobin Collapse and Preserves Its Internal Mobilityâ€. Biochemistry, 1997, 36, 7097-7108.	2.5	80
99	Collective binding properties of receptor arrays. Biophysical Journal, 1997, 72, 1582-1594.	0.5	35
100	Estimation of the hydrogen-bond lengths to H3O+ and H5O2+ in liquid water. Journal of Molecular Liquids, 1997, 73-74, 513-520.	4.9	18
101	Brownian Simulation of Many-Particle Binding to a Reversible Receptor Array. Journal of Computational Physics, 1997, 132, 260-275.	3.8	27
102	Electrostatics by Brownian dynamics: solving the Poisson equation near dielectric interfaces. Chemical Physics Letters, 1997, 270, 476-483.	2.6	11
103	Tetrahedral Displacement:Â The Molecular Mechanism behind the Debye Relaxation in Water. The Journal of Physical Chemistry, 1996, 100, 1072-1080.	2.9	206
104	Spherical symmetric diffusion problem. Journal of Computational Chemistry, 1996, 17, 1085-1098.	3.3	189
105	A temperature-dependent effective potential explains CO binding to myoglobin. Chemical Physics, 1996, 212, 207-219.	1.9	31
106	The span of oneâ€dimensional multiparticle Brownian motion. Journal of Chemical Physics, 1996, 104, 3022-3025.	3.0	14
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110	Salt effect on transient proton transfer to solvent and microscopic proton mobility. Journal of Molecular Liquids, 1995, 64, 161-195.	4.9	68
111	Equilibration in Reversible Bimolecular Reactions. The Journal of Physical Chemistry, 1995, 99, 5389-5401.	2.9	47
112	Brownian dynamics of reversible binding processes. AIP Conference Proceedings, 1994, , .	0.4	1
113	The transition from inhomogeneous to homogeneous kinetics in CO binding to myoglobin. Biophysical Journal, 1994, 66, 1612-1622.	0.5	41
114	The longâ€time behavior of reversible binary reactions: Theory, Brownian simulations and experiment. Journal of Chemical Physics, 1994, 100, 4181-4187.	3.0	32
115	The Kinetic Inversion Problem in Ligandâ€Binding Heme Proteins. Israel Journal of Chemistry, 1994, 34, 185-193.	2.3	1
116	Reaction yields in intramolecular dissipative kinetics. Chemical Physics Letters, 1993, 206, 143-150.	2.6	3
117	Brownian dynamics simulations of reversible reactions in one dimension. Journal of Chemical Physics, 1993, 99, 5396-5404.	3.0	70
118	Competitive and noncompetitive reversible binding processes. Physical Review E, 1993, 47, 2415-2429.	2.1	35
119	Scaling and critical-like behavior in multidimensional diffusive dynamics. Physical Review E, 1993, 47, 3717-3720.	2.1	7
120	Excited-state proton transfer to methanol-water mixtures [Erratum to document cited in CA115(25):279306r]. The Journal of Physical Chemistry, 1992, 96, 2020-2020.	2.9	15
121	Diffusive dynamics on potential energy surfaces: Nonequilibrium CO binding to heme proteins. Journal of Chemical Physics, 1992, 97, 7270-7286.	3.0	65
122	Experimental determination of the long-time behavior in reversible binary chemical reactions. Physical Review Letters, 1992, 68, 3932-3935.	7.8	82
123	Salt effects on steady-state quantum yields of ultrafast, diffusion-influenced, reversible photoacid dissociation reactions. The Journal of Physical Chemistry, 1991, 95, 666-674.	2.9	47
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125	Stiffness Effects in Multidimensional Diffusive Barrier Crossing. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1991, 95, 278-285.	0.9	18
126	Adiabatic elimination in multidimensional diffusive barrier crossing. Chemical Physics Letters, 1991, 182, 336-342.	2.6	15

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127	Excited-state proton transfer to methanol-water mixtures. The Journal of Physical Chemistry, 1991, 95, 10407-10413.	2.9	124
128	Unified approach to spherically symmetric diffusion. Physical Review Letters, 1991, 67, 1366-1369.	7.8	12
129	Excited State Proton Transfer Reactions. , 1991, , 315-334.		4
130	The slow diffusion limit for the survival probability in reactive diffusion equations. Chemical Physics, 1990, 148, 11-19.	1.9	17
131	Theory of reversible diffusionâ€influenced reactions. Journal of Chemical Physics, 1990, 92, 5270-5284.	3.0	254
132	Dynamic Stokes shift in coumarin: is it only relaxation?. The Journal of Physical Chemistry, 1990, 94, 2959-2963.	2.9	77
133	Long-time behavior of reversible geminate recombination reactions. Journal of the Optical Society of America B: Optical Physics, 1990, 7, 1545.	2.1	58
134	Viscosity expansions in reactive diffusion processes. Journal of Chemical Physics, 1989, 90, 3765-3775.	3.0	17
135	Theory of nonâ€Markovian reversible dissociation reactions. Journal of Chemical Physics, 1989, 91, 6937-6942.	3.0	22
136	Moment approximations for first-passage time problems. The Journal of Physical Chemistry, 1989, 93, 6884-6887.	2.9	2
137	Geminate recombination in excitedâ€state protonâ€transfer reactions: Numerical solution of the Debyeâ€“Smoluchowski equation with backreaction and comparison with experimental results. Journal of Chemical Physics, 1988, 88, 5620-5630.	3.0	352
138	Geminate recombination in protonâ€transfer reactions. II. Comparison of diffusional and kinetic schemes. Journal of Chemical Physics, 1988, 88, 5631-5638.	3.0	227
139	Geminate recombination in protonâ€transfer reactions. III. Kinetics and equilibrium inside a finite sphere. Journal of Chemical Physics, 1988, 88, 5639-5642.	3.0	34
140	Reactive line-shape narrowing in low-temperature inhomogeneous geminate recombination of CO to myoglobin. Biochemistry, 1988, 27, 3507-3511.	2.5	74
141	Ionization potentials for isoelectronic series. Journal of Chemical Education, 1988, 65, 42.	2.3	7
142	Geminate recombination in protonâ€transfer reactions. IV. Groundâ€state yields. Journal of Chemical Physics, 1988, 89, 1524-1528.	3.0	13
143	Diffusion-Controlled Reactions with Mobile Traps. Physical Review Letters, 1988, 61, 2496-2499.	7.8	137
144	Dynamics of two-dimensional diffusional barrier crossing. The Journal of Physical Chemistry, 1987, 91, 1988-1996.	2.9	104

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145	Scavenging of oneâ€dimensional diffusion with random traps. Journal of Chemical Physics, 1987, 86, 5104-5109.	3.0	4
146	Perpendicular effects on transition states. 2. Energy profiles and reaction surfaces. Journal of Organic Chemistry, 1987, 52, 2192-2195.	3.2	5
147	New approximate limiting laws for activity and rate coefficients of ions in solution. Chemical Physics Letters, 1987, 141, 122-128.	2.6	7
148	Opacity analysis of the H3 system: Modified rotating-rod versus Frozen-Orientation models. International Journal of Chemical Kinetics, 1986, 18, 1047-1064.	1.6	7
149	The method of ascending symmetry for irreducible characters of finite groups. Theoretica Chimica Acta, 1986, 70, 203-219.	0.8	1
150	Diffusion with random traps: Transient one-dimensional kinetics in a linear potential. Journal of Statistical Physics, 1986, 43, 537-559.	1.2	21
151	Complete asymptotic expansion for integrals arising from one-dimensional diffusion with random traps. Physical Review A, 1986, 34, 656-658.	2.5	12
152	What can be Learned from Low Temperature Reactivity on Room Temperature Rebinding Kinetics of Heme Proteins?. Jerusalem Symposia on Quantum Chemistry and Biochemistry, 1986, , 373-381.	0.2	1
153	Extensions of the Melanderâ€“Westheimer Postulate: Isotope Effects in Reactions with Equilibrium Values Far from Unity. Israel Journal of Chemistry, 1985, 26, 375-377.	2.3	1
154	A diffusion Michaelis-Menten mechanism: Continuous conformational change in enzymatic kinetics. Journal of Theoretical Biology, 1985, 113, 711-717.	1.7	12
155	Conditional lifetimes in geminate recombination. Journal of Chemical Physics, 1985, 82, 2056-2060.	3.0	10
156	Relaxation times in diffusion processes. Journal of Chemical Physics, 1985, 82, 935-938.	3.0	12
157	Unimolecular dissociation as diffusion with a radiation boundary condition. Journal of Chemical Physics, 1984, 80, 5049-5054.	3.0	8
158	Perpendicular effects on transition-state structure: model and application to cycloadditions and sigmatropic shifts. Journal of the American Chemical Society, 1984, 106, 6960-6962.	13.7	12
159	Diffusion with back reaction. Journal of Chemical Physics, 1984, 81, 2811-2817.	3.0	120
160	Residence times in diffusion processes. Journal of Chemical Physics, 1984, 81, 3644-3647.	3.0	80
161	Local normal modes and vibrational adiabatic potentials. Chemical Physics, 1983, 76, 203-218.	1.9	4
162	CO binding to heme proteins: A model for barrier height distributions and slow conformational changes. Journal of Chemical Physics, 1983, 79, 2042-2053.	3.0	347

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163	Transient kinetics of chemical reactions with bounded diffusion perpendicular to the reaction coordinate: Intramolecular processes with slow conformational changes. Journal of Chemical Physics, 1983, 78, 6947-6959.	3.0	337
164	Fine structure in the dependence of final conditions on initial conditions in classical collinear H2+H dynamics. Journal of Chemical Physics, 1982, 76, 1309-1316.	3.0	29
165	Structureâ€reactivity correlations in stateâ€toâ€state chemistry. Journal of Chemical Physics, 1982, 76, 1759-1769.	3.0	3
166	Generating a 3D H3 potential energy surface from the 1D surface. Journal of Chemical Physics, 1982, 76, 743-745.	3.0	0
167	From energy profiles to structure-reactivity correlations. International Journal of Chemical Kinetics, 1981, 13, 333-365.	1.6	75
168	The rotating rod model: Opacity, excitation, deflection and angular distribution functions from collinear reaction probabilities. Chemical Physics, 1981, 61, 189-204.	1.9	13
169	An analytical approximation for the number of states along the reaction coordinate. Chemical Physics, 1980, 45, 249-260.	1.9	9
170	Is there a nitroalkane anomaly?. Journal of the American Chemical Society, 1980, 102, 2164-2167.	13.7	29
171	Empirical triatomic potential energy surfaces defined over orthogonal bond order coordinates. Journal of Chemical Physics, 1979, 71, 3034.	3.0	62
172	An algorithm for finding the distribution of maximal entropy. Journal of Computational Physics, 1979, 30, 250-258.	3.8	224
173	An upper bound for the entropy and its applications to the maximal entropy problem. Chemical Physics Letters, 1978, 53, 22-26.	2.6	81
174	Quantitative Hammond postulate. Journal of the Chemical Society, Faraday Transactions 2, 1978, 74, 388.	1.1	54
175	Generating reaction coordinates by the Pauling relation. Chemical Physics Letters, 1977, 45, 343-345.	2.6	26
176	Energy, entropy and the reaction coordinate: thermodynamic-like relations in chemical kinetics. Chemical Physics Letters, 1977, 52, 197-201.	2.6	185
177	Relativistic transformations of thermodynamic quantities. Foundations of Physics, 1977, 7, 331-339.	1.3	6