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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	The Grotthuss mechanism. Chemical Physics Letters, 1995, 244, 456-462.	2.6	2,781
2	Elementary Steps in Excited-State Proton Transfer. Journal of Physical Chemistry A, 2005, 109, 13-35.	2.5	518
3	Protons and Hydroxide Ions in Aqueous Systems. Chemical Reviews, 2016, 116, 7642-7672.	47.7	358
4	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
5	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
6	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
7	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
8	Theory of reversible diffusionâ€influenced reactions. Journal of Chemical Physics, 1990, 92, 5270-5284.	3.0	254
9	A bond-order analysis of the mechanism for hydrated proton mobility in liquid water. Journal of Chemical Physics, 2005, 122, 014506.	3.0	229
10	Geminate recombination in protonâ€transfer reactions. II. Comparison of diffusional and kinetic schemes. Journal of Chemical Physics, 1988, 88, 5631-5638.	3.0	227
11	An algorithm for finding the distribution of maximal entropy. Journal of Computational Physics, 1979, 30, 250-258.	3.8	224
12	Tetrahedral Displacement:Â The Molecular Mechanism behind the Debye Relaxation in Water. The Journal of Physical Chemistry, 1996, 100, 1072-1080.	2.9	206
13	Structure and Energetics of the Hydronium Hydration Shells. Journal of Physical Chemistry A, 2007, 111, 2253-2256.	2.5	205
14	Spherical symmetric diffusion problem. Journal of Computational Chemistry, 1996, 17, 1085-1098.	3.3	189
15	Energy, entropy and the reaction coordinate: thermodynamic-like relations in chemical kinetics. Chemical Physics Letters, 1977, 52, 197-201.	2.6	185
16	Mechanism of hydroxide mobility. Chemical Physics Letters, 2000, 319, 247-252.	2.6	173
17	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
18	Diffusion-Controlled Reactions with Mobile Traps. Physical Review Letters, 1988, 61, 2496-2499.	7.8	137

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19	Excited-state proton transfer to methanol-water mixtures. The Journal of Physical Chemistry, 1991, 95, 10407-10413.	2.9	124
20	Diffusion with back reaction. Journal of Chemical Physics, 1984, 81, 2811-2817.	3.0	120
21	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
22	Proton Pathways in Green Fluorescence Protein. Biophysical Journal, 2005, 88, 2452-2461.	0.5	105
23	Dynamics of two-dimensional diffusional barrier crossing. The Journal of Physical Chemistry, 1987, 91, 1988-1996.	2.9	104
24	Solvatochromic Shifts of â€œSuperâ€•Photoacids. Journal of the American Chemical Society, 1998, 120, 7981-7982.	13.7	102
25	Photochemistry of â€œSuperâ€•Photoacids. Solvent Effects. Journal of Physical Chemistry A, 1999, 103, 6984-6997.	2.5	100
26	Solvatochromism of Î²-Naphthol. Journal of Physical Chemistry A, 1998, 102, 9599-9606.	2.5	96
27	Proton Solvation and Proton Mobility. Israel Journal of Chemistry, 1999, 39, 493-502.	2.3	95
28	Electronic Determinants of Photoacidity in Cyanonaphthols. Journal of the American Chemical Society, 2002, 124, 1089-1096.	13.7	95
29	Excited-state reversible geminate reaction. I. Two different lifetimes. Journal of Chemical Physics, 1999, 110, 2164-2174.	3.0	87
30	Visualizing Proton Antenna in a High-Resolution Green Fluorescent Protein Structure. Journal of the American Chemical Society, 2010, 132, 11093-11102.	13.7	83
31	Experimental determination of the long-time behavior in reversible binary chemical reactions. Physical Review Letters, 1992, 68, 3932-3935.	7.8	82
32	Conformational Cycle of a Single Working Enzyme. Journal of Physical Chemistry B, 2000, 104, 7830-7834.	2.6	82
33	An upper bound for the entropy and its applications to the maximal entropy problem. Chemical Physics Letters, 1978, 53, 22-26.	2.6	81
34	Residence times in diffusion processes. Journal of Chemical Physics, 1984, 81, 3644-3647.	3.0	80
35	Trehalose Prevents Myoglobin Collapse and Preserves Its Internal Mobilityâ€. Biochemistry, 1997, 36, 7097-7108.	2.5	80
36	Transition in the Temperature-Dependence of GFP Fluorescence: From Proton Wires to Proton Exit. Biophysical Journal, 2006, 90, 1009-1018.	0.5	80

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37	Liquid Water: From Symmetry Distortions to Diffusive Motion. Accounts of Chemical Research, 2012, 45, 63-73.	15.6	78
38	Dynamic Stokes shift in coumarin: is it only relaxation?. The Journal of Physical Chemistry, 1990, 94, 2959-2963.	2.9	77
39	Distance-Dependent Proton Transfer along Water Wires Connecting Acidâ^'Base Pairs. Journal of Physical Chemistry A, 2009, 113, 6599-6606.	2.5	77
40	From energy profiles to structure-reactivity correlations. International Journal of Chemical Kinetics, 1981, 13, 333-365.	1.6	75
41	Kinetics of Proton Migration in Liquid Water. Journal of Physical Chemistry B, 2010, 114, 333-339.	2.6	75
42	Reactive line-shape narrowing in low-temperature inhomogeneous geminate recombination of CO to myoglobin. Biochemistry, 1988, 27, 3507-3511.	2.5	74
43	Brownian dynamics simulations of reversible reactions in one dimension. Journal of Chemical Physics, 1993, 99, 5396-5404.	3.0	70
44	Deactivation Mechanism of the Green Fluorescent Chromophore. Journal of Physical Chemistry B, 2006, 110, 4434-4442.	2.6	69
45	Salt effect on transient proton transfer to solvent and microscopic proton mobility. Journal of Molecular Liquids, 1995, 64, 161-195.	4.9	68
46	Diffusion-Limited Acidâ^'Base Nonexponential Dynamics. Journal of Physical Chemistry A, 2001, 105, 7165-7173.	2.5	66
47	Diffusive dynamics on potential energy surfaces: Nonequilibrium CO binding to heme proteins. Journal of Chemical Physics, 1992, 97, 7270-7286.	3.0	65
48	Empirical triatomic potential energy surfaces defined over orthogonal bond order coordinates. Journal of Chemical Physics, 1979, 71, 3034.	3.0	62
49	Structure of Concentrated HCl Solutions. Journal of Physical Chemistry A, 1998, 102, 192-199.	2.5	61
50	Three-dimensional simulations of reversible bimolecular reactions: The simple target problem. Journal of Chemical Physics, 2001, 115, 8921-8932.	3.0	59
51	Long-time behavior of reversible geminate recombination reactions. Journal of the Optical Society of America B: Optical Physics, 1990, 7, 1545.	2.1	58
52	Excited-state reversible geminate reaction. III. Exact solution for noninteracting partners. Journal of Chemical Physics, 1999, 110, 10433-10444.	3.0	56
53	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
54	Residence time distribution of a Brownian particle. Physical Review E, 1998, 57, 3937-3947.	2.1	55

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55	Quantitative Hammond postulate. Journal of the Chemical Society, Faraday Transactions 2, 1978, 74, 388.	1.1	54
56	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
57	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
58	Non-Exponential Smoluchowski Dynamics in Fast Acidâ^'Base Reaction. Journal of the American Chemical Society, 2000, 122, 9838-9839.	13.7	51
59	Experimental Evidence for a Kinetic Transition in Reversible Reactions. Physical Review Letters, 2001, 86, 3427-3430.	7.8	50
60	Origin of proton affinity to membrane/water interfaces. Scientific Reports, 2017, 7, 4553.	3.3	49
61	Excited-state reversible geminate reaction. II. Contact geminate quenching. Journal of Chemical Physics, 1999, 110, 2175-2180.	3.0	48
62	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
63	Equilibration in Reversible Bimolecular Reactions. The Journal of Physical Chemistry, 1995, 99, 5389-5401.	2.9	47
64	The Dynamics of Preferential Solvation. Journal of Physical Chemistry A, 2002, 106, 7256-7260.	2.5	43
65	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
66	Proton fronts on membranes. Nature Chemistry, 2011, 3, 840-842.	13.6	43
67	The transition from inhomogeneous to homogeneous kinetics in CO binding to myoglobin. Biophysical Journal, 1994, 66, 1612-1622.	0.5	41
68	Exact long-time asymptotics for reversible binding in three dimensions. Journal of Chemical Physics, 2000, 112, 2863-2869.	3.0	41
69	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
70	Mapping Proton Wires in Proteins: Carbonic Anhydrase and GFP Chromophore Biosynthesis. Journal of Physical Chemistry A, 2009, 113, 7253-7266.	2.5	39
71	Proton Wire Dynamics in the Green Fluorescent Protein. Journal of Chemical Theory and Computation, 2017, 13, 353-369.	5.3	38
72	Reversible Excited-State Proton Geminate Recombination: Revisited. Journal of Physical Chemistry B, 2016, 120, 12615-12632.	2.6	37

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73	Reversible geminate recombination of hydrogen-bonded water molecule pair. Journal of Chemical Physics, 2008, 129, 084505.	3.0	36
74	Competitive reversible binding: a bimolecular boundary condition for the diffusion equation. The Journal of Physical Chemistry, 1991, 95, 7326-7330.	2.9	35
75	Competitive and noncompetitive reversible binding processes. Physical Review E, 1993, 47, 2415-2429.	2.1	35
76	Collective binding properties of receptor arrays. Biophysical Journal, 1997, 72, 1582-1594.	0.5	35
77	Kinetic transition in excited-state reversible reactions. Chemical Physics Letters, 1999, 302, 399-404.	2.6	35
78	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
79	Rigorous Derivation of the Long-Time Asymptotics for Reversible Binding. Physical Review Letters, 2000, 84, 2730-2733.	7.8	33
80	Challenge in Accurate Measurement of Fast Reversible Bimolecular Reaction. Journal of Physical Chemistry A, 2001, 105, 5868-5876.	2.5	33
81	The longâ€time behavior of reversible binary reactions: Theory, Brownian simulations and experiment. Journal of Chemical Physics, 1994, 100, 4181-4187.	3.0	32
82	Excited-state reversible geminate recombination with quenching in one dimension. Journal of Chemical Physics, 1999, 111, 3791-3799.	3.0	32
83	A temperature-dependent effective potential explains CO binding to myoglobin. Chemical Physics, 1996, 212, 207-219.	1.9	31
84	The distribution of acceptor and donor hydrogen-bonds in bulk liquid water. Molecular Physics, 2008, 106, 485-495.	1.7	31
85	Is there a nitroalkane anomaly?. Journal of the American Chemical Society, 1980, 102, 2164-2167.	13.7	29
86	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
87	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
88	Coupling of Protein Relaxation to Ligand Binding and Migration in Myoglobin. Biophysical Journal, 2004, 87, 1537-1543.	0.5	28
89	Brownian Simulation of Many-Particle Binding to a Reversible Receptor Array. Journal of Computational Physics, 1997, 132, 260-275.	3.8	27
90	Dual asymptotic behavior in geminate diffusion-influenced reaction. Chemical Physics Letters, 2000, 320, 262-268.	2.6	27

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91	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
92	Generating reaction coordinates by the Pauling relation. Chemical Physics Letters, 1977, 45, 343-345.	2.6	26
93	Exact solution for the geminate ABCD reaction. Journal of Chemical Physics, 2002, 117, 5770-5779.	3.0	26
94	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
95	Reinvestigation of the Infrared Spectrum of the Gas-Phase Protonated Water Tetramer. Journal of Physical Chemistry A, 2017, 121, 3056-3070.	2.5	24
96	Unified theory of reversible target reactions. Journal of Chemical Physics, 2003, 119, 6680-6690.	3.0	23
97	Isoelectronic Theory for Cationic Radii. Journal of the American Chemical Society, 2017, 139, 15068-15073.	13.7	23
98	Theory of nonâ€Markovian reversible dissociation reactions. Journal of Chemical Physics, 1989, 91, 6937-6942.	3.0	22
99	Diffusion with random traps: Transient one-dimensional kinetics in a linear potential. Journal of Statistical Physics, 1986, 43, 537-559.	1.2	21
100	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
101	The Hole in the Barrel: Water Exchange at the GFP Chromophore. Journal of Physical Chemistry B, 2015, 119, 3464-3478.	2.6	21
102	Three-dimensional simulation verifies theoretical asymptotics for reversible binding. Chemical Physics Letters, 2001, 340, 151-156.	2.6	20
103	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
104	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
105	Temperature Dependence of Intramolecular Vibrational Bands in Small Water Clusters. Journal of Physical Chemistry B, 2019, 123, 9428-9442.	2.6	19
106	Stiffness Effects in Multidimensional Diffusive Barrier Crossing. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1991, 95, 278-285.	0.9	18
107	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
108	The residence time equation. Chemical Physics Letters, 2010, 497, 184-186.	2.6	18

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109	Viscosity expansions in reactive diffusion processes. Journal of Chemical Physics, 1989, 90, 3765-3775.	3.0	17
110	The slow diffusion limit for the survival probability in reactive diffusion equations. Chemical Physics, 1990, 148, 11-19.	1.9	17
111	Multisite reversible geminate reaction. Journal of Chemical Physics, 2009, 130, 074507.	3.0	16
112	Adiabatic elimination in multidimensional diffusive barrier crossing. Chemical Physics Letters, 1991, 182, 336-342.	2.6	15
113	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
114	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
115	Protonated Water Dimer on Benzene: Standing Eigen or Crouching Zundel?. Journal of Physical Chemistry B, 2015, 119, 2658-2667.	2.6	15
116	The span of oneâ€dimensional multiparticle Brownian motion. Journal of Chemical Physics, 1996, 104, 3022-3025.	3.0	14
117	Three-dimensional simulations of reversible bimolecular reactions. III. The pseudo-unimolecular ABCD reaction. Journal of Chemical Physics, 2003, 118, 11057-11065.	3.0	14
118	Diffusion across proton collecting surfaces. Chemical Physics, 2010, 370, 232-237.	1.9	14
119	The rotating rod model: Opacity, excitation, deflection and angular distribution functions from collinear reaction probabilities. Chemical Physics, 1981, 61, 189-204.	1.9	13
120	Geminate recombination in protonâ€transfer reactions. IV. Groundâ€state yields. Journal of Chemical Physics, 1988, 89, 1524-1528.	3.0	13
121	Bridging the Gap between the Ultrafast and the Ultraslow. Journal of Molecular Liquids, 1995, 64, 241-245.	4.9	13
122	Primary events in photoacid dissociation. Journal of Molecular Liquids, 2000, 85, 87-96.	4.9	13
123	Relation between macroscopic and microscopic dielectric relaxation times in water dynamics. Israel Journal of Chemistry, 2003, 43, 363-371.	2.3	13
124	Green's function for reversible geminate reaction with volume reactivity. Journal of Chemical Physics, 2012, 137, 184103.	3.0	13
125	The acid test for water structure. Nature Chemistry, 2016, 8, 206-207.	13.6	13
126	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

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127	A diffusion Michaelis-Menten mechanism: Continuous conformational change in enzymatic kinetics. Journal of Theoretical Biology, 1985, 113, 711-717.	1.7	12
128	Relaxation times in diffusion processes. Journal of Chemical Physics, 1985, 82, 935-938.	3.0	12
129	Complete asymptotic expansion for integrals arising from one-dimensional diffusion with random traps. Physical Review A, 1986, 34, 656-658.	2.5	12
130	Unified approach to spherically symmetric diffusion. Physical Review Letters, 1991, 67, 1366-1369.	7.8	12
131	On the Origin of Proton Mobility Suppression in Aqueous Solutions of Amphiphiles. Journal of Physical Chemistry B, 2013, 117, 15426-15435.	2.6	12
132	Thermally Induced Hydrogen-Bond Rearrangements in Small Water Clusters and the Persistent Water Tetramer. ACS Omega, 2019, 4, 22581-22590.	3.5	12
133	Electrostatics by Brownian dynamics: solving the Poisson equation near dielectric interfaces. Chemical Physics Letters, 1997, 270, 476-483.	2.6	11
134	Network analysis of proton transfer in liquid water. Journal of Chemical Physics, 2014, 140, 244502.	3.0	11
135	Covalent radii from ionization energies of isoelectronic series. Chemical Physics Letters, 2014, 595-596, 214-219.	2.6	11
136	Conditional lifetimes in geminate recombination. Journal of Chemical Physics, 1985, 82, 2056-2060.	3.0	10
137	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
138	Concentration Profiles near an Activated Enzyme. Journal of Physical Chemistry B, 2008, 112, 12104-12114.	2.6	10
139	The residence probability: single molecule fluorescence correlation spectroscopy and reversible geminate recombination. Physical Chemistry Chemical Physics, 2011, 13, 16548.	2.8	10
140	Ionic radii of hydrated sodium cation from QTAIM. Journal of Chemical Physics, 2019, 150, 034304.	3.0	10
141	Spherical symmetric diffusion problem. Journal of Computational Chemistry, 1996, 17, 1085-1098.	3.3	10
142	Comparison of Alternate Approaches for Reversible Geminate Recombination. Bulletin of the Korean Chemical Society, 2012, 33, 1020-1028.	1.9	10
143	An analytical approximation for the number of states along the reaction coordinate. Chemical Physics, 1980, 45, 249-260.	1.9	9
144	Reduced parameter set determinable from geminate kinetics. Chemical Physics Letters, 2006, 417, 530-534.	2.6	9

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145	Unimolecular dissociation as diffusion with a radiation boundary condition. Journal of Chemical Physics, 1984, 80, 5049-5054.	3.0	8
146	Electrostatics of multilamellar vesicles: Legendre expansion and reaction-field Brownian dynamics. Journal of Chemical Physics, 1998, 108, 1216-1224.	3.0	8
147	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
148	The protonated water trimer and its giant Fermi resonances. Chemical Physics, 2018, 514, 164-175.	1.9	8
149	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
150	New approximate limiting laws for activity and rate coefficients of ions in solution. Chemical Physics Letters, 1987, 141, 122-128.	2.6	7
151	Ionization potentials for isoelectronic series. Journal of Chemical Education, 1988, 65, 42.	2.3	7
152	Scaling and critical-like behavior in multidimensional diffusive dynamics. Physical Review E, 1993, 47, 3717-3720.	2.1	7
153	Relativistic transformations of thermodynamic quantities. Foundations of Physics, 1977, 7, 331-339.	1.3	6
154	Incoherent control of protein conformational state. Chemical Physics Letters, 1998, 294, 79-86.	2.6	6
155	Perpendicular effects on transition states. 2. Energy profiles and reaction surfaces. Journal of Organic Chemistry, 1987, 52, 2192-2195.	3.2	5
156	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
157	Statistics of Language Morphology Change: From Biconsonantal Hunters to Triconsonantal Farmers. PLoS ONE, 2013, 8, e83780.	2.5	5
158	Local normal modes and vibrational adiabatic potentials. Chemical Physics, 1983, 76, 203-218.	1.9	4
159	Scavenging of oneâ€dimensional diffusion with random traps. Journal of Chemical Physics, 1987, 86, 5104-5109.	3.0	4
160	Foreword by the Guest Editors. Israel Journal of Chemistry, 1999, 39, iii-iv.	2.3	4
161	Transition into non-monotonic approach to equilibrium in geminate exchange reaction. Chemical Physics Letters, 2003, 371, 462-468.	2.6	4
162	Excited State Proton Transfer Reactions. , 1991, , 315-334.		4

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163	Structureâ€reactivity correlations in stateâ€toâ€state chemistry. Journal of Chemical Physics, 1982, 76, 1759-1769.	3.0	3
164	Reaction yields in intramolecular dissipative kinetics. Chemical Physics Letters, 1993, 206, 143-150.	2.6	3
165	Accurate solution for the many body ABCD problem. Physica A: Statistical Mechanics and Its Applications, 2003, 330, 150-159.	2.6	3
166	Moment approximations for first-passage time problems. The Journal of Physical Chemistry, 1989, 93, 6884-6887.	2.9	2
167	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
168	The method of ascending symmetry for irreducible characters of finite groups. Theoretica Chimica Acta, 1986, 70, 203-219.	0.8	1
169	Brownian dynamics of reversible binding processes. AIP Conference Proceedings, 1994, , .	0.4	1
170	The Kinetic Inversion Problem in Ligandâ€Binding Heme Proteins. Israel Journal of Chemistry, 1994, 34, 185-193.	2.3	1
171	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
172	Diffusion approach to the linear Poissonâ€“Boltzmann equation. Chemical Physics Letters, 1998, 284, 78-86.	2.6	1
173	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
174	Generating a 3D H3 potential energy surface from the 1D surface. Journal of Chemical Physics, 1982, 76, 743-745.	3.0	0
175	Middle East: university funding for Palestinians. Nature, 2003, 426, 227-227.	27.8	0
176	Charge Transfer in Proteins: In Celebration of Hemi Gutman's 80â€‰th Birthday. Israel Journal of Chemistry, 2017, 57, 355-356.	2.3	0
177	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