

Dmitry V Matyushov

List of Publications by Year in descending order

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164
papers

3,985
citations

101384

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174990

52
g-index

172
all docs

172
docs citations

172
times ranked

2327
citing authors

#	ARTICLE	IF	CITATIONS
1	The Theory of Electron Transfer Reactions: What May Be Missing?. Journal of the American Chemical Society, 2003, 125, 7470-7478.	6.6	152
2	A Failure of Continuum Theory: Temperature Dependence of the Solvent Reorganization Energy of Electron Transfer in Highly Polar Solvents. Journal of Physical Chemistry B, 1999, 103, 9130-9140.	1.2	103
3	Solvent reorganization energy of electron-transfer reactions in polar solvents. Journal of Chemical Physics, 2004, 120, 7532-7556.	1.2	103
4	A Thermodynamic Analysis of the ϵ^* and ET(30) Polarity Scales. Journal of Physical Chemistry B, 1997, 101, 1035-1050.	1.2	101
5	Modeling the free energy surfaces of electron transfer in condensed phases. Journal of Chemical Physics, 2000, 113, 5413.	1.2	90
6	Understanding the Optical Band Shape: Coumarin-153 Steady-State Spectroscopy. Journal of Physical Chemistry A, 2001, 105, 8516-8532.	1.1	88
7	Reorganization energy of electron transfer in polar liquids. Dependence on reactant size, temperature and pressure. Chemical Physics, 1993, 174, 199-218.	0.9	83
8	Energetics of Electron-Transfer Reactions in Soft Condensed Media. Accounts of Chemical Research, 2007, 40, 294-301.	7.6	79
9	Calculation of Lennard-Jones energies of molecular fluids. Journal of Chemical Physics, 1996, 104, 8627-8638.	1.2	77
10	Solvent Reorganization Energy of Charge Transfer in DNA Hairpins. Journal of Physical Chemistry B, 2003, 107, 14509-14520.	1.2	75
11	Protein-water electrostatics and principles of bioenergetics. Physical Chemistry Chemical Physics, 2010, 12, 15335.	1.3	73
12	Direct Experimental Comparison of the Theories of Thermal and Optical Electron-Transfer: Studies of a Mixed-Valence Dinuclear Iron Polypyridyl Complex. Journal of the American Chemical Society, 1998, 120, 11714-11726.	6.6	69
13	Cavity formation energy in hard sphere fluids: An asymptotically correct expression. Journal of Chemical Physics, 1997, 107, 5815-5820.	1.2	62
14	A perturbation theory for solvation thermodynamics: Dipolar-quadrupolar liquids. Journal of Chemical Physics, 1999, 111, 3630-3638.	1.2	62
15	Protein electron transfer: Dynamics and statistics. Journal of Chemical Physics, 2013, 139, 025102.	1.2	62
16	Ferroelectric Hydration Shells around Proteins: Electrostatics of the Protein-Water Interface. Journal of Physical Chemistry B, 2010, 114, 9246-9258.	1.2	55
17	Energetics and Kinetics of Primary Charge Separation in Bacterial Photosynthesis. Journal of Physical Chemistry B, 2008, 112, 10322-10342.	1.2	53
18	Solvent Reorganization Entropy of Electron Transfer in Polar Solvents. Journal of Physical Chemistry A, 2006, 110, 8857-8863.	1.1	51

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19	Terahertz absorption of dilute aqueous solutions. <i>Journal of Chemical Physics</i> , 2012, 137, 235103.	1.2	51
20	A perturbation theory and simulations of the dipole solvation thermodynamics: Dipolar hard spheres. <i>Journal of Chemical Physics</i> , 1999, 110, 994-1009.	1.2	50
21	Gaussian excitations model for glass-former dynamics and thermodynamics. <i>Journal of Chemical Physics</i> , 2007, 126, 094501.	1.2	50
22	Protein electron transfer: is biology (thermo)dynamic?. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 473001.	0.7	49
23	Dipole solvation in dielectrics. <i>Journal of Chemical Physics</i> , 2004, 120, 1375-1382.	1.2	47
24	A molecular theory of electron transfer reactions in polar liquids. <i>Molecular Physics</i> , 1993, 79, 795-808.	0.8	46
25	Effects of Solvent and Solute Polarizability on the Reorganization Energy of Electron Transfer. <i>Journal of Physical Chemistry A</i> , 2004, 108, 2087-2096.	1.1	46
26	Dipolar Nanodomains in Protein Hydration Shells. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 407-412.	2.1	46
27	Optical and radiationless intramolecular electron transitions in nonpolar fluids: Relative effects of induction and dispersion interactions. <i>Journal of Chemical Physics</i> , 1995, 103, 2034-2049.	1.2	44
28	Marcus Bell-Shaped Electron Transfer Kinetics Observed in an Arrhenius Plot. <i>Journal of the American Chemical Society</i> , 2016, 138, 9251-9257.	6.6	44
29	Entropy of Attractive Forces and Molecular Nonsphericity in Real Liquids: A Measure of Structural Ordering. <i>The Journal of Physical Chemistry</i> , 1995, 99, 2393-2402.	2.9	42
30	Reorganization Parameters of Electronic Transitions in Electronically Delocalized Systems. 1. Charge Transfer Reactions. <i>Journal of Physical Chemistry A</i> , 2000, 104, 6470-6484.	1.1	42
31	Two-Gaussian excitations model for the glass transition. <i>Journal of Chemical Physics</i> , 2005, 123, 034506.	1.2	40
32	Activation entropy of electron transfer reactions. <i>Chemical Physics</i> , 2006, 324, 172-194.	0.9	40
33	Glassy Protein Dynamics and Gigantic Solvent Reorganization Energy of Plastocyanin. <i>Journal of Physical Chemistry B</i> , 2008, 112, 5218-5227.	1.2	40
34	A Molecular Treatment of Solvent Effects on Intervalence Electron Transfer. <i>The Journal of Physical Chemistry</i> , 1994, 98, 5152-5159.	2.9	39
35	Dipolar response of hydrated proteins. <i>Journal of Chemical Physics</i> , 2012, 136, 085102.	1.2	39
36	A thermodynamic analysis of solvation in dipolar liquids. <i>Journal of Chemical Physics</i> , 1996, 105, 4729-4741.	1.2	37

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37	Theory and Electrochemistry of Cytochrome <i>c</i> . Journal of Physical Chemistry B, 2017, 121, 4958-4967.	1.2	37
38	Electron-transfer chain in respiratory complex I. Scientific Reports, 2017, 7, 5495.	1.6	36
39	Dipole Solvation: Nonlinear Effects, Density Reorganization, and the Breakdown of the Onsager Saturation Limit. Journal of Physical Chemistry A, 2002, 106, 2146-2157.	1.1	32
40	Nanosecond Stokes Shift Dynamics, Dynamical Transition, and Gigantic Reorganization Energy of Hydrated Heme Proteins. Journal of Physical Chemistry B, 2011, 115, 10715-10724.	1.2	31
41	Adiabatic outer sphere electron transfer through the metal-electrolyte interface. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1991, 315, 9-28.	0.3	30
42	Energetics of Bacterial Photosynthesis. Journal of Physical Chemistry B, 2009, 113, 12424-12437.	1.2	30
43	Charge separation/recombination reactions in non-polar fluids: a molecular description. Molecular Physics, 1995, 84, 533-552.	0.8	29
44	Free energy functionals for polarization fluctuations: Pekar factor revisited. Journal of Chemical Physics, 2017, 146, 064504.	1.2	29
45	A Theory of Electron Transfer and Steady-State Optical Spectra of Chromophores with Varying Electronic Polarizability. Journal of Physical Chemistry A, 1999, 103, 10981-10992.	1.1	28
46	Local polarity excess at the interface of water with a nonpolar solute. Chemical Physics Letters, 2011, 511, 256-261.	1.2	28
47	Dielectric constant of water in the interface. Journal of Chemical Physics, 2016, 145, 014504.	1.2	28
48	Solvent response and dielectric relaxation in supercooled butyronitrile. Journal of Chemical Physics, 2006, 125, 024504.	1.2	27
49	Nonlinear dielectric response of polar liquids. Journal of Chemical Physics, 2015, 142, 244502.	1.2	27
50	Electric field inside a Rosky cavity in uniformly polarized water. Journal of Chemical Physics, 2011, 135, 084514.	1.2	26
51	Hydration shells of proteins probed by depolarized light scattering and dielectric spectroscopy: Orientational structure is significant, positional structure is not. Journal of Chemical Physics, 2014, 141, 22D501.	1.2	26
52	Protein Dielectrophoresis in Solution. Journal of Physical Chemistry B, 2018, 122, 9119-9127.	1.2	26
53	Solvent reorganization energy of electron transfer in weakly polar solvents. Chemical Physics, 1996, 211, 47-71.	0.9	25
54	Electrostatics of liquid interfaces. Journal of Chemical Physics, 2014, 140, 224506.	1.2	24

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55	Time-resolved fluorescence of polarizable chromophores. <i>Journal of Chemical Physics</i> , 2001, 115, 8933-8941.	1.2	23
56	Spontaneous Emission and Nonadiabatic Electron Transfer Rates in Condensed Phases. <i>Journal of Physical Chemistry A</i> , 1998, 102, 5027-5039.	1.1	22
57	On the microscopic theory of polar solvation dynamics. <i>Journal of Chemical Physics</i> , 2005, 122, 044502.	1.2	22
58	Non-Gaussian Statistics and Nanosecond Dynamics of Electrostatic Fluctuations Affecting Optical Transitions in Proteins. <i>Journal of Physical Chemistry B</i> , 2012, 116, 10294-10300.	1.2	22
59	Protein dynamics to optimize and control bacterial photosynthesis. <i>Chemical Science</i> , 2013, 4, 4127.	3.7	22
60	Communication: Temperature derivative of the dielectric constant gives access to multipoint correlations in polar liquids. <i>Journal of Chemical Physics</i> , 2016, 144, 041102.	1.2	22
61	Polarizability of the active site of cytochrome c reduces the activation barrier for electron transfer. <i>Scientific Reports</i> , 2016, 6, 28152.	1.6	22
62	Reorganization Parameters of Electronic Transitions in Electronically Delocalized Systems. 2. Optical Spectra. <i>Journal of Physical Chemistry A</i> , 2000, 104, 6485-6494.	1.1	21
63	Dynamical transition, hydrophobic interface, and the temperature dependence of electrostatic fluctuations in proteins. <i>Physical Review E</i> , 2008, 78, 061901.	0.8	21
64	Standard electrode potential, Tafel equation, and the solvation thermodynamics. <i>Journal of Chemical Physics</i> , 2009, 130, 234704.	1.2	21
65	Dispersion solute-solvent coupling in electron transfer reactions. I. Effective potential. <i>Journal of Chemical Physics</i> , 1998, 108, 6362-6377.	1.2	20
66	Solvent reorganization of electron transitions in viscous solvents. <i>Journal of Chemical Physics</i> , 2006, 124, 144510.	1.2	20
67	Redox entropy of plastocyanin: Developing a microscopic view of mesoscopic polar solvation. <i>Journal of Chemical Physics</i> , 2008, 128, 155106.	1.2	20
68	Electrostatic fluctuations in cavities within polar liquids and thermodynamics of polar solvation. <i>Physical Review E</i> , 2008, 78, 041206.	0.8	20
69	Electrophoretic mobility without charge driven by polarisation of the nanoparticle-water interface. <i>Molecular Physics</i> , 2014, 112, 2029-2039.	0.8	20
70	Electrostatic solvation and mobility in uniform and non-uniform electric fields: From simple ions to proteins. <i>Biomicrofluidics</i> , 2019, 13, 064106.	1.2	19
71	Reorganization Energy of Electron Transfer in Viscous Solvents above the Glass Transition. <i>Journal of Physical Chemistry B</i> , 2006, 110, 1866-1871.	1.2	18
72	Nonergodic activated kinetics in polar media. <i>Journal of Chemical Physics</i> , 2009, 130, 164522.	1.2	18

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73	Effective Dielectric Constant of Water at the Interface with Charged C ₆₀ Fullerenes. Journal of Physical Chemistry B, 2019, 123, 3135-3143.	1.2	18
74	Nonlinear effects in dipole solvation. II. Optical spectra and electron transfer activation. Journal of Chemical Physics, 1997, 107, 1375-1387.	1.2	17
75	Equilibrium solvation in quadrupolar solvents. Journal of Chemical Physics, 2005, 123, 044501.	1.2	17
76	Communication: Microsecond dynamics of the protein and water affect electron transfer in a bacterial <i>bc₁</i> complex. Journal of Chemical Physics, 2015, 142, 161101.	1.2	17
77	Terahertz absorption of lysozyme in solution. Journal of Chemical Physics, 2017, 147, 084502.	1.2	17
78	Stationary points in the temperature dependence of electron transfer rates. Chemical Physics Letters, 1994, 220, 359-364.	1.2	16
79	Termination of Biological Function at Low Temperatures: Glass or Structural Transition?. Journal of Physical Chemistry Letters, 2018, 9, 2359-2366.	2.1	16
80	Dipolar susceptibility of protein hydration shells. Chemical Physics Letters, 2018, 713, 210-214.	1.2	16
81	Fluctuation relations, effective temperature, and ageing of enzymes: The case of protein electron transfer. Journal of Molecular Liquids, 2018, 266, 361-372.	2.3	16
82	Dynamical Effects in Protein Electrochemistry. Journal of Physical Chemistry B, 2019, 123, 7290-7301.	1.2	16
83	Dielectric Susceptibility of Water in the Interface. Journal of Physical Chemistry B, 2021, 125, 8282-8293.	1.2	16
84	Properties of liquids at the boiling point: Equation of state, internal pressure and vaporization entropy. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1994, 98, 1590-1595.	0.9	15
85	A phenomenological model of dynamical arrest of electron transfer in solvents in the glass-transition region. Journal of Chemical Physics, 2005, 122, 084507.	1.2	15
86	Terahertz response of dipolar impurities in polar liquids: On anomalous dielectric absorption of protein solutions. Physical Review E, 2010, 81, 021914.	0.8	15
87	Coulomb Soup of Bioenergetics: Electron Transfer in a Bacterial <i>bc₁</i> Complex. Journal of Physical Chemistry Letters, 2013, 4, 3602-3606.	2.1	15
88	Free energy of ion hydration: Interface susceptibility and scaling with the ion size. Journal of Chemical Physics, 2015, 143, 044511.	1.2	15
89	The solvent's solute distribution function of binary hard sphere mixtures for dilute concentrations of the large sphere. Molecular Physics, 1999, 96, 1813-1816.	0.8	14
90	Non-Condon theory of nonadiabatic electron transfer reactions in V-shaped donor-bridge-acceptor complexes. Journal of Chemical Physics, 2003, 118, 5596-5606.	1.2	14

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91	Dynamical Arrest of Electron Transfer in Liquid Crystalline Solvents. <i>Journal of Physical Chemistry B</i> , 2006, 110, 13184-13194.	1.2	14
92	Microscopic fields in liquid dielectrics. <i>Journal of Chemical Physics</i> , 2008, 129, 174508.	1.2	14
93	Cavity field in liquid dielectrics. <i>Europhysics Letters</i> , 2008, 82, 16003.	0.7	14
94	Solvated dissipative electro-elastic network model of hydrated proteins. <i>Journal of Chemical Physics</i> , 2012, 137, 165101.	1.2	14
95	On the validity of dielectric continuum models in application to solvation in molecular solvents. <i>Journal of Chemical Physics</i> , 2003, 118, 1859-1862.	1.2	13
96	Electrostatics of the protein-water interface and the dynamical transition in proteins. <i>Physical Review E</i> , 2011, 84, 011908.	0.8	13
97	Complex Dynamics of Water in Protein Confinement. <i>Journal of Physical Chemistry B</i> , 2018, 122, 3418-3425.	1.2	13
98	Donor-acceptor vibrations in nonadiabatic electron transfer reactions. <i>Chemical Physics</i> , 1992, 164, 31-46.	0.9	12
99	Electron transfer in molecules with conformational transitions. <i>Chemical Physics Letters</i> , 1993, 203, 131-136.	1.2	12
100	Non-Gaussian statistics of electrostatic fluctuations of hydration shells. <i>Journal of Chemical Physics</i> , 2011, 135, 104501.	1.2	12
101	On the theory of dielectric spectroscopy of protein solutions. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 325105.	0.7	12
102	Configurational entropy of polar glass formers and the effect of electric field on glass transition. <i>Journal of Chemical Physics</i> , 2016, 145, 034504.	1.2	12
103	Impact of Temperature and Non-Gaussian Statistics on Electron Transfer in Donor-Bridge-Acceptor Molecules. <i>Journal of Physical Chemistry B</i> , 2017, 121, 2665-2676.	1.2	12
104	Electron transfer in nonpolar media. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 10653-10665.	1.3	12
105	Non-Ergodic Electron Transfer in Mixed-Valence Charge-Transfer Complexes. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1644-1648.	2.1	11
106	“Ideal glassformers” vs “ideal glasses”: Studies of crystal-free routes to the glassy state by “potential tuning”-molecular dynamics, and laboratory calorimetry. <i>Journal of Chemical Physics</i> , 2013, 138, 12A549.	1.2	11
107	Activated kinetics in a nonequilibrium thermal bath. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 9401-9403.	3.3	11
108	Wetting of the Protein Active Site Leads to Non-Marcusian Reaction Kinetics. <i>Journal of Physical Chemistry B</i> , 2018, 122, 10490-10495.	1.2	11

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109	Polarizability of the Active Site in Enzymatic Catalysis: Cytochrome c. <i>Journal of Physical Chemistry B</i> , 2019, 123, 10691-10699.	1.2	11
110	Electron transfer accompanied by bond rupture. <i>Chemical Physics</i> , 1988, 127, 325-334.	0.9	10
111	Non-Gaussian statistics of binding/unbinding events and the energetics of electron transfer reactions. <i>Chemical Physics</i> , 2008, 351, 46-50.	0.9	10
112	Surface Polarity and Nanoscale Solvation. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 3685-3689.	2.1	10
113	Depolarized light scattering and dielectric response of a peptide dissolved in water. <i>Journal of Chemical Physics</i> , 2014, 140, 035101.	1.2	10
114	Non-Gaussian Lineshapes and Dynamics of Time-Resolved Linear and Nonlinear (Correlation) Spectra. <i>Journal of Physical Chemistry B</i> , 2014, 118, 7925-7936.	1.2	10
115	Reorganization Asymmetry of Electron Transfer in Ferroelectric Media and Principles of Artificial Photosynthesis. <i>Journal of Physical Chemistry B</i> , 2006, 110, 10095-10104.	1.2	9
116	Dissipative electro-elastic network model of protein electrostatics. <i>Physical Biology</i> , 2012, 9, 036004.	0.8	9
117	Photosynthetic diode: electron transport rectification by wetting the quinone cofactor. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 22523-22528.	1.3	9
118	Electrode redox reactions with polarizable molecules. <i>Journal of Chemical Physics</i> , 2018, 148, 154501.	1.2	9
119	Driving Forces of Protein Diffusion. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 10137-10143.	2.1	9
120	Mobility of large ions in water. <i>Journal of Chemical Physics</i> , 2020, 153, 044503.	1.2	9
121	Dielectrophoresis of Proteins in Solution. <i>Journal of Physical Chemistry B</i> , 2020, 124, 11634-11647.	1.2	9
122	Potential-step transient response of an electrochemical system. <i>Journal of Electroanalytical Chemistry</i> , 1994, 367, 1-6.	1.9	8
123	Nonlinear effects in dipole solvation. I. Thermodynamics. <i>Journal of Chemical Physics</i> , 1997, 107, 1362-1374.	1.2	8
124	Model energy landscapes of low-temperature fluids: Dipolar hard spheres. <i>Physical Review E</i> , 2007, 76, 011511.	0.8	8
125	Interfacial Structural Transition in Hydration Shells of a Polarizable Solute. <i>Physical Review Letters</i> , 2015, 114, 207801.	2.9	8
126	Electrode reactions in slowly relaxing media. <i>Journal of Chemical Physics</i> , 2017, 147, 194506.	1.2	8

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127	Equilibrium Solvation, Electron-Transfer Reactions, and Stokes-Shift Dynamics in Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2020, 124, 3754-3769.	1.2	8
128	Quadrupolar solvatochromism: 4-amino-phthalimide in toluene. <i>Journal of Chemical Physics</i> , 2006, 124, 204502.	1.2	7
129	Dielectric response of one-dimensional polar chains. <i>Journal of Chemical Physics</i> , 2007, 127, 054702.	1.2	7
130	Nonequilibrium vibrational population and donor-acceptor vibrations affecting rates of radiationless transitions. <i>Journal of Chemical Physics</i> , 2019, 150, 074504.	1.2	7
131	Why are Vibrational Lines Narrow in Proteins?. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 5932-5937.	2.1	7
132	Dielectric friction, violation of the Stokes-Einstein-Debye relation, and non-Gaussian transport dynamics of dipolar solutes in water. <i>Physical Review Research</i> , 2021, 3, .	1.3	7
133	Response to "Comment on "Nonlinear dielectric response of polar liquids" [J. Chem. Phys. 144, 087101 (2016)]. <i>Journal of Chemical Physics</i> , 2016, 144, 087102.	1.2	7
134	Electron-Induced Proton Transfer. <i>Journal of Physical Chemistry B</i> , 2021, 125, 12264-12273.	1.2	7
135	Reorganization energy of intermolecular electron transfer in solvents near isotropic/nematic transition. <i>Journal of Chemical Physics</i> , 2003, 119, 1559-1568.	1.2	6
136	Dynamical Arrest of Electron Transfer Reorganization in Super-Cooled Water. <i>Journal of the American Chemical Society</i> , 2005, 127, 16390-16391.	6.6	6
137	Theory of solvation in polar nematics. <i>Journal of Chemical Physics</i> , 2006, 124, 114904.	1.2	6
138	Mobility of nanometer-size solutes in water driven by electric field. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 463, 366-375.	1.2	6
139	Dynamical and orientational structural crossovers in low-temperature glycerol. <i>Physical Review E</i> , 2016, 94, 012616.	0.8	6
140	Ergodicity breaking of iron displacement in heme proteins. <i>Soft Matter</i> , 2017, 13, 8188-8201.	1.2	6
141	Interfacial structural crossover and hydration thermodynamics of charged C_{60} in water. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 27069-27081.	1.3	6
142	Q-model of electrode reactions: altering force constants of intramolecular vibrations. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 24176-24185.	1.3	6
143	Screening of Coulomb interactions in liquid dielectrics. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 325101.	0.7	6
144	Optical Absorption by Charge-Transfer Molecules. <i>Journal of Physical Chemistry B</i> , 2019, 123, 6564-6578.	1.2	6

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145	Enhanced Molecular Diffusivity through Destructive Interference between Electrostatic and Osmotic Forces. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 6648-6653.	2.1	6
146	Anomalously Small Reorganization Energy of the Half Redox Reaction of Azurin. <i>Journal of Physical Chemistry B</i> , 2022, , .	1.2	6
147	Control of Electron Transfer Rates in Liquid Crystalline Media. <i>Journal of Physical Chemistry B</i> , 2003, 107, 1937-1940.	1.2	5
148	Solvent-Induced Shift of Spectral Lines in Polarizable Solvents. <i>Journal of Physical Chemistry A</i> , 2017, 121, 2232-2240.	1.1	5
149	Thermodynamics of Reactions Affected by Medium Reorganization. <i>Journal of Physical Chemistry B</i> , 2018, 122, 12302-12311.	1.2	5
150	Nonlinear Dielectric Response of Polar Liquids. <i>Advances in Dielectrics</i> , 2018, , 1-34.	1.2	5
151	Electron transfer induced by liquid defect motion. Exact solution. <i>Chemical Physics</i> , 1991, 155, 331-344.	0.9	4
152	Violation of fluctuation-dissipation relations for electron transfer in nonpolar solvents. <i>Physical Review Research</i> , 2021, 3, .	1.3	4
153	Paraelectric and ferroelectric order in two-state dipolar fluids. <i>Journal of Chemical Physics</i> , 2005, 122, 191101.	1.2	3
154	Thermodynamics and dynamics of a monoatomic glass former. Constant pressure and constant volume behavior. <i>Journal of Chemical Physics</i> , 2008, 128, 144505.	1.2	3
155	Half Reactions with Multiple Redox States Do Not Follow the Standard Theory: A Computational Study of Electrochemistry of C_{60} . <i>Journal of Physical Chemistry C</i> , 2018, 122, 17080-17087.	1.5	3
156	Quantifying dielectric permittivities in the nonlinear regime. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 385101.	0.7	3
157	Ewald sum corrections in simulations of ion and dipole solvation and electron transfer. <i>Journal of Chemical Physics</i> , 2021, 155, 114110.	1.2	3
158	Kubo's Line Shape Function for a Linear-Quadratic Chromophore-Solvent Coupling. <i>Journal of Physical Chemistry B</i> , 2015, 119, 9006-9008.	1.2	2
159	Reorganization Energy of Electron Transfer in Ionic Liquids. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 3297-3303.	2.1	2
160	Ionic mobility driven by correlated van der Waals and electrostatic forces. <i>Journal of Chemical Physics</i> , 2022, 156, .	1.2	2
161	New Developments in the Theoretical Description of Charge-Transfer Reactions in Condensed Phases. , 0, , 147-210.		1
162	Electrochemistry of Protein Electron Transfer. <i>Journal of the Electrochemical Society</i> , 0, , .	1.3	1

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163	Strong Increase of Correlations in Liquid Glycerol Observed by Nonlinear Dielectric Techniques . Journal of Chemical Physics, 2022, 156, 171102.	1.2	1
164	Faradaic impedance at nonequilibrium electrode polarization. Electrochimica Acta, 1993, 38, 1671-1678.	2.6	0