Mark Maroncelli

List of Publications by Year
in descending order

68 papers	8,321 citations	108046 37 h-index	93651 72 g-index
73 all docs	73 docs citations	73 times ranked	5019 citing authors

#	Article	IF	Citations
1	OH Stretching and Libration Bands of Solitary Water in Ionic Liquids and Dipolar Solvents Share a Single Dependence on Solvent Polarity. Journal of Physical Chemistry B, 2022, 126, 4584-4598.	1.2	10
2	Electron Transfer Kinetics between an Electron-Accepting Ionic Liquid and Coumarin Dyes. Journal of Physical Chemistry B, 2020, 124, 11431-11445.	1.2	7
3	Characterization of a New Electron Donorâ€“Acceptor Dyad in Conventional Solvents and Ionic Liquids. Journal of Physical Chemistry B, 2019, 123, 9395-9407.	1.2	3
4	Photoinduced Bimolecular Electron Transfer in Ionic Liquids: Cationic Electron Donors. Journal of Physical Chemistry B, 2018, 122, 2379-2388.	1.2	15
5	Solvent controlled intramolecular electron transfer in mixtures of 1-butyl-3-methylimidizolium tetrafluoroborate and acetonitrile. Journal of Chemical Physics, 2018, 148, 193801.	1.2	12
6	Unraveling the Complex Hydration Behavior of Ionomers under Thin Film Confinement. Journal of Physical Chemistry C, 2018, 122, 3471-3481.	1.5	15
7	Simulations of 1-Butyl-3-methylimidazolium Tetrafluoroborate + Acetonitrile Mixtures: Force-Field Validation and Frictional Characteristics. Journal of Physical Chemistry B, 2018, 122, 7385-7393.	1.2	9
8	Ultrafast Ground-State Intramolecular Proton Transfer in Diethylaminohydroxyflavone Resolved with Pumpâ€“Dumpâ€“Probe Spectroscopy. Journal of Physical Chemistry Letters, 2018, 9, 4174-4181.	2.1	33
9	Solute Rotation in Ionic Liquids: Size, Shape, and Electrostatic Effects. Journal of Physical Chemistry B, 2017, 121, 5094-5109.	1.2	23
10	Solvation Dynamics and Proton Transfer in Diethylaminohydroxyflavone. Journal of Physical Chemistry B, 2017, 121, 630-637.	1.2	28
11	Photoinduced Bimolecular Electron Transfer in Ionic Liquids. Journal of the American Chemical Society, 2017, 139, 14568-14585.	6.6	30
12	Rotational Dynamics in Ionic Liquids from NMR Relaxation Experiments and Simulations: Benzene and 1-Ethyl-3-Methylimidazolium. Journal of Physical Chemistry B, 2016, 120, 9450-9467.	1.2	31
13	Steady-State and Time-Resolved Studies into the Origin of the Intrinsic Fluorescence of G-Quadruplexes. Journal of Physical Chemistry B, 2016, 120, 5146-5158.	1.2	19
14	Effect of Alkyl Chain Branching on Physicochemical Properties of Imidazolium-Based Ionic Liquids. Journal of Chemical & Engineering Data, 2016, 61, 1078-1091.	1.0	84
15	Photoinduced Bimolecular Electron Transfer from Cyano Anions in Ionic Liquids. Journal of Physical Chemistry B, 2015, 119, 14790-14799.	1.2	21
16	Tribute to Branka M. Ladanyi. Journal of Physical Chemistry B, 2015, 119, 8811-8812.	1.2	0
17	How Is Diffusion of Neutral and Charged Tracers Related to the Structure and Dynamics of a Room-Temperature Ionic Liquid? Large Deviations from Stokesâ€“Einstein Behavior Explained. Journal of Physical Chemistry B, 2015, 119, 7015-7029.	1.2	158
18	Observations of probe dependence of the solvation dynamics in ionic liquids. Physical Chemistry Chemical Physics, 2015, 17, 12949-12956.	1.3	20

#	Article	IF	Citations
19	The Photophysics of Three Naphthylmethylene Malononitriles. Journal of Physical Chemistry B, 2015, 119, 9254-9267.	1.2	14
20	Synthesis, structures, and properties of a fluoranthene-based biphenol polymer as a fluorescent nano-thermometer. Chemical Engineering Journal, 2014, 240, 319-330.	6.6	15
21	Solvation Dynamics in a Prototypical Ionic Liquid + Dipolar Aprotic Liquid Mixture: 1-Butyl-3-methylimidazolium Tetrafluoroborate + Acetonitrile. Journal of Physical Chemistry B, 2014, 118, 1340-1352.	1.2	68
22	Solute Diffusion in Ionic Liquids, NMR Measurements and Comparisons to Conventional Solvents. Journal of Physical Chemistry B, 2013, 117, 11697-11708.	1.2	112
23	Characterization of trans-2-[4-[(Dimethylamino)styryl]benzothiazole as an Ultrafast Isomerization Probe and a Modifed Kramers Theory Analysis. Journal of Physical Chemistry B, 2013, 117, 12224-12233.	1.2	13
24	Conductivity and Solvation Dynamics in Ionic Liquids. Journal of Physical Chemistry Letters, 2013, 4, 1205-1210.	2.1	60
25	Dielectric Relaxation and Solvation Dynamics in a Prototypical Ionic Liquid + Dipolar Protic Liquid Mixture: 1-Butyl-3-Methylimidazolium Tetrafluoroborate + Water. Journal of Physical Chemistry B, 2013, 117, 15356-15368.	1.2	64
26	Complete Solvation Response of Coumarin 153 in Ionic Liquids. Journal of Physical Chemistry B, 2013, 117, 4291-4304.	1.2	120
27	2-Cyano-3-(2,3,6,7-tetrahydro-1H,5H-benzo[ij]quinolizin-9-yl)prop-2-enoic acid dimethyl sulfoxide monosolvate. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o3204-o3205.	0.2	1
28	Simulations of Solvation and Solvation Dynamics in an Idealized Ionic Liquid Model. Journal of Physical Chemistry B, 2012, 116, 5951-5970.	1.2	61
29	Bimolecular Electron Transfer in Ionic Liquids: Are Reaction Rates Anomalously High?. Journal of Physical Chemistry B, 2012, 116, 1370-1384.	1.2	71
30	CCVJ Is Not a Simple Rotor Probe. Journal of Physical Chemistry A, 2012, 116, 10786-10792.	1.1	40
31	Measurements of the complete solvation response of coumarin 153 in ionic liquids and the accuracy of simple dielectric continuum predictions. Faraday Discussions, 2012, 154, 409-424.	1.6	80
32	Solvent-Controlled Electron Transfer in Crystal Violet Lactone. Journal of Physical Chemistry A, 2011, 115, 3746-3754.	1.1	16
33	Solvent-Controlled Intramolecular Electron Transfer in Ionic Liquids. Journal of Physical Chemistry B, 2011, 115, 6592-6607.	1.2	45
34	Ionic Liquids: Structure and Photochemical Reactions. Annual Review of Physical Chemistry, 2011, 62, 85-105.	4.8	310
35	Photophysical Characterization of Benzylidene Malononitriles as Probes of Solvent Friction. Journal of Physical Chemistry B, 2010, 114, 7565-7578.	1.2	52
36	Dynamics in an Idealized Ionic Liquid Model. Journal of Physical Chemistry B, 2010, 114, 8410-8424.	1.2	101

#	Article	IF	Citations
37	Nonradiative Deactivation in Benzylidene Malononitriles. Journal of Physical Chemistry C, 2010, 114, 5602-5610.	1.5	29
38	An Improved Four-Site Ionic Liquid Model. Journal of Physical Chemistry B, 2010, 114, 12629-12631.	1.2	136
39	Solvatochromism and Solvation Dynamics in CO₂-Expanded Liquids. ACS Symposium Series, 2009, , 95-111.	0.5	3
40	2-[(2,3,6,7-Tetrahydro-1H,5H-benzo[ij]quinolizin-9-yl)methylene]propanedinitrile. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o1687-o1687.	0.2	4
41	Physical Properties of Ionic Liquids Consisting of the 1-Butyl-3-Methylimidazolium Cation with Various Anions and the Bis(trifluoromethylsulfonyl)imide Anion with Various Cations. Journal of Physical Chemistry B, 2008, 112, 81-92.	1.2	391
42	Solvation and Solvatochromism in CO₂-Expanded Liquids. 3. The Dynamics of Nonspecific Preferential Solvation. Journal of Physical Chemistry B, 2008, 112, 14959-14970.	1.2	13
43	Heterogeneous Solute Dynamics in Room Temperature Ionic Liquids. Journal of Physical Chemistry B, 2007, 111, 13473-13478.	1.2	183
44	Solvation and Rotational Dynamics of Coumarin 153 in Ionic Liquids:Â Comparisons to Conventional Solvents. Journal of Physical Chemistry B, 2007, 111, 7291-7302.	1.2	297
45	Solvation and Solvatochromism in CO2-Expanded Liquids. 2. Experimentâ"Simulation Comparisons of Preferential Solvation in Three Prototypical Mixtures. Journal of Physical Chemistry B, 2007, 111, 3208-3221.	1.2	29
46	Measurements of the Complete Solvation Response in Ionic Liquidsâ€. Journal of Physical Chemistry B, 2007, 111, 4978-4989.	1.2	215
47	Polar Solvation and Solvation Dynamics in Supercritical CHF3:Â Results from Experiment and Simulation. Journal of Physical Chemistry A, 2006, 110, 3405-3413.	1.1	25
48	Photophysics oftrans-4-(Dimethylamino)-4â€˜-cyanostilbene and Its Use as a Solvation Probe. Journal of Physical Chemistry A, 2006, 110, 3454-3470.	1.1	81
49	Solvation and Solvatochromism in CO2-Expanded Liquids. 1. Simulations of the Solvent Systems CO2+ Cyclohexane, Acetonitrile, and Methanol. Journal of Physical Chemistry B, 2006, 110, 21189-21197.	1.2	31
50	Observing the complete solvation response of DCS in imidazolium ionic liquids, from the femtosecond to nanosecond regimes. Chemical Physics Letters, 2006, 417, 524-529.	1.2	90
51	Simulations of solvation free energies and solubilities in supercritical solvents. Journal of Chemical Physics, 2006, 124, 164506.	1.2	28
52	Solvent Friction Effect on Intramolecular Electron Transfer. Journal of the American Chemical Society, 2005, 127, 17867-17876.	6.6	21
53	Solvent dynamics derived from optical Kerr effect, dielectric dispersion, and time-resolved stokes shift measurements: an empirical comparison. Journal of Molecular Liquids, 1998, 77, 1-36.	2.3	188
54	Mechanisms of solvation dynamics of polyatomic solutes in polar and nondipolar solvents: A simulation study. Journal of Chemical Physics, 1998, 109, 3204-3221.	1.2	132

#	Article	IF	Citations
55	Continuum estimates of rotational dielectric friction and polar solvation. Journal of Chemical Physics, 1997, 106, 1545-1557.	1.2	72
56	Nonreactive Dynamics in Solution:Â The Emerging Molecular View of Solvation Dynamics and Vibrational Relaxation. The Journal of Physical Chemistry, 1996, 100, 12981-12996.	2.9	625
57	The dynamics of solvation in polar liquids. Journal of Molecular Liquids, 1993, 57, 1-37.	2.3	685
58	On the validity of the â€˜â€˜inverted snowballâ€™â€™ picture of solvation dynamics. Journal of Chemical Physics, 1993, 98, 6431-6436.	1.2	23
59	Computer simulations of solvation dynamics in acetonitrile. Journal of Chemical Physics, 1991, 94, 2084-2103.	1.2	415
60	Simulations of solvation in a Brownian dipole lattice. Journal of Chemical Physics, 1991, 95, 9219-9241.	1.2	59
61	Comparison of timeâ€resolved fluorescence Stokes shift measurements to a molecular theory of solvation dynamics. Journal of Chemical Physics, 1988, 89, 875-881.	1.2	121
62	The dynamics of polar solvation: Inhomogeneous dielectric continuum models. Journal of Chemical Physics, 1988, 89, 3519-3534.	1.2	115
63	Computer simulation of the dynamics of aqueous solvation. Journal of Chemical Physics, 1988, 89, 5044-5069.	1.2	479
64	Dipolar solvation dynamics. Faraday Discussions of the Chemical Society, 1988, 85, 199.	2.2	55
65	Picosecond solvation dynamics of coumarin 153: The importance of molecular aspects of solvation. Journal of Chemical Physics, 1987, 86, 6221-6239.	1.2	1,154
66	Subpicosecond resolution studies of solvation dynamics in polar aprotic and alcohol solvents. Journal of Chemical Physics, 1987, 86, 1090-1097.	1.2	343
67	Distribution of gauche bonds in crystalline n-heneicosane in phase II. Journal of the American Chemical Society, 1983, 105, 133-134.	6.6	67
68	Nonplanar conformers and the phase behavior of solid n-alkanes. Journal of the American Chemical Society, 1982, 104, 6237-6247.	6.6	383