

Gary Blanchard

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Direct Measurement of the Adsorption Kinetics of Alkanethiolate Self-Assembled Monolayers on a Microcrystalline Gold Surface. <i>Langmuir</i> , 1994, 10, 3315-3322.	1.6	456
2	Formation of Gold Nanoparticles Using Amine Reducing Agents. <i>Langmuir</i> , 2006, 22, 5882-5887.	1.6	380
3	Relating the polarity-dependent fluorescence response of pyrene to vibronic coupling. Achieving a fundamental understanding of the py polarity scale. <i>The Journal of Physical Chemistry</i> , 1995, 99, 3951-3958.	2.9	378
4	AM1 study of the electronic structure of coumarins. <i>The Journal of Physical Chemistry</i> , 1993, 97, 12205-12209.	2.9	144
5	Assembly of Covalently-Coupled Disulfide Multilayers on Gold. <i>Journal of the American Chemical Society</i> , 1998, 120, 11962-11968.	6.6	144
6	Comparison of Liposomes Formed by Sonication and Extrusion: Rotational and Translational Diffusion of an Embedded Chromophore. <i>Langmuir</i> , 2007, 23, 11677-11683.	1.6	143
7	Quantitating the Balance between Enthalpic and Entropic Forces in Alkanethiol/Gold Monolayer Self Assembly. <i>Journal of the American Chemical Society</i> , 1996, 118, 9645-9651.	6.6	126
8	Applying Polymer Chemistry to Interfaces: A Layer-by-Layer and Spontaneous Growth of Covalently Bound Multilayers. <i>Langmuir</i> , 2000, 16, 4655-4661.	1.6	104
9	Determination of ground- and excited-state isomerization barriers for the oligothiophene 3',4'-dibutyl-2,2':5',2''-terthiophene. <i>Journal of the American Chemical Society</i> , 1993, 115, 12158-12164.	6.6	99
10	Micelle-Induced Versatile Sensing Behavior of Bispyrene-Based Fluorescent Molecular Sensor for Picric Acid and PYX Explosives. <i>Langmuir</i> , 2014, 30, 7645-7653.	1.6	90
11	Evaluating the Role of Pt and Pd Catalyst Morphology on Electrocatalytic Methanol and Ethanol Oxidation. <i>Journal of Physical Chemistry C</i> , 2010, 114, 6019-6026.	1.5	88
12	Rotational Diffusion Dynamics of Perylene in n-Alkanes. Observation of a Solvent Length-Dependent Change of Boundary Condition. <i>The Journal of Physical Chemistry</i> , 1994, 98, 6436-6440.	2.9	87
13	Plasma Exosomes Contribute to Microvascular Damage in Diabetic Retinopathy by Activating the Classical Complement Pathway. <i>Diabetes</i> , 2018, 67, 1639-1649.	0.3	85
14	Orientalional relaxation dynamics of oxazine 118 and resorufin in the butanols. Valence- and state-dependent solvation effects. <i>The Journal of Physical Chemistry</i> , 1988, 92, 5950-5954.	2.9	81
15	Excitonic and phonon-mediated optical Stark effects in a conjugated polymer. <i>Physical Review Letters</i> , 1989, 63, 887-890.	2.9	77
16	A study of the state-dependent reorientation dynamics of oxazine 725 in primary normal aliphatic alcohols. <i>The Journal of Physical Chemistry</i> , 1988, 92, 6303-6307.	2.9	68
17	Design and Demonstration of Hybrid Multilayer Structures: A Layer-by-Layer Mixed Covalent and Ionic Interlayer Linking Chemistry. <i>Langmuir</i> , 2000, 16, 8518-8524.	1.6	68
18	Effect of Positional Substitution on the Optical Response of Symmetrically Disubstituted Azobenzene Derivatives. <i>Journal of Physical Chemistry B</i> , 2004, 108, 4962-4968.	1.2	68

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19	Picosecond spectroscopic measurement of a solvent dependent change of rotational diffusion rotor shape. <i>Journal of Chemical Physics</i> , 1987, 87, 6802-6808.	1.2	62
20	Co-Polymerization of Maleimides and Vinyl Ethers: A Structural Study. <i>Macromolecules</i> , 1998, 31, 5681-5689.	2.2	57
21	Photochemical and Electrochemical Oxidation Reactions of Surface-Bound Polycyclic Aromatic Hydrocarbons. <i>Journal of Physical Chemistry B</i> , 2004, 108, 1038-1045.	1.2	50
22	State-dependent reorientation characteristics of Methylene Blue: the importance of dipolar solvent-solute interactions. <i>The Journal of Physical Chemistry</i> , 1989, 93, 4315-4319.	2.9	49
23	Measurement of small absorbances by picosecond pump-probe spectrometry. <i>Analytical Chemistry</i> , 1986, 58, 532-535.	3.2	48
24	Dynamics of a Tethered Chromophore Imbedded in a Self-Assembled Monolayer. <i>Langmuir</i> , 1996, 12, 5522-5524.	1.6	48
25	Formation and encapsulation of gold nanoparticles using a polymeric amine reducing agent. <i>Journal of Nanoparticle Research</i> , 2007, 9, 861-868.	0.8	46
26	A Study of the Fluorescence and Reorientation Dynamics of Carminic Acid in Primary Alcohols. <i>The Journal of Physical Chemistry</i> , 1995, 99, 11333-11338.	2.9	45
27	Probing Intermolecular Communication with Surface-Attached Pyrene. <i>Journal of Physical Chemistry B</i> , 2005, 109, 4076-4083.	1.2	44
28	Optical Organophosphate Sensor Based upon Gold Nanoparticle Functionalized Fumed Silica Gel. <i>Analytical Chemistry</i> , 2007, 79, 3448-3454.	3.2	44
29	Use of Zirconium Phosphate/Carbonate Chemistry to Immobilize Polycyclic Aromatic Hydrocarbons on Boron-Doped Diamond. <i>Langmuir</i> , 2005, 21, 8802-8808.	1.6	43
30	Immobilization of laccase on gold, silver and indium tin oxide by zirconium phosphonate carboxylate (ZPC) coordination chemistry. <i>Bioelectrochemistry</i> , 2007, 71, 15-22.	2.4	43
31	Vibrational Population and Orientational Relaxation Dynamics of 1-Methylperylene in n-Alkanes. The Effective Range of Dipolar Energy Relaxation in Solution. <i>The Journal of Physical Chemistry</i> , 1995, 99, 7904-7912.	2.9	42
32	Probing Interfaces and Surface Reactions of Zirconium Phosphate/Phosphonate Multilayers Using ³¹ P NMR Spectrometry. <i>Langmuir</i> , 2000, 16, 695-701.	1.6	42
33	Vibrational Population Relaxation of Perylene in n-Alkanes. The Role of Solvent Local Structure in Long-Range Vibrational Energy Transfer. <i>The Journal of Physical Chemistry</i> , 1994, 98, 9411-9416.	2.9	41
34	Surface Second Harmonic Generation from Asymmetric Multilayer Assemblies: Gaining Insight into Layer-Dependent Order. <i>Langmuir</i> , 2001, 17, 3438-3446.	1.6	40
35	Probing Interfacial Organization in Surface Monolayers Using Tethered Pyrene. 1. Structural Mediation of Electron and Proton Access to Adsorbates. <i>Journal of Physical Chemistry B</i> , 2005, 109, 15812-15821.	1.2	40
36	Photoinduced Reactivity of Doxorubicin: Catalysis and Degradation. <i>Journal of Physical Chemistry A</i> , 2012, 116, 4330-4337.	1.1	40

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37	Covalently Bound Polymer Multilayers for Efficient Metal Ion Sorption. <i>Langmuir</i> , 2001, 17, 1163-1168.	1.6	39
38	Role of Acid Sphingomyelinase in Shifting the Balance Between Proinflammatory and Reparative Bone Marrow Cells in Diabetic Retinopathy. <i>Stem Cells</i> , 2016, 34, 972-983.	1.4	39
39	Charge-Induced Long-Range Order in a Room-Temperature Ionic Liquid. <i>Langmuir</i> , 2016, 32, 9507-9512.	1.6	39
40	Counterion-dependent reorientation dynamics of an oxazine in polar protic and aprotic solvents. <i>The Journal of Physical Chemistry</i> , 1991, 95, 5293-5299.	2.9	38
41	Photoisomerization of Cyanines. A Comparative Study of Oxygen- and Sulfur-Containing Species. <i>The Journal of Physical Chemistry</i> , 1994, 98, 1454-1458.	2.9	38
42	Correspondence between Layer Morphology and Intralayer Excitation Transport Dynamics in Zirconium Phosphonate Monolayers. <i>Journal of the American Chemical Society</i> , 1999, 121, 4419-4426.	6.6	38
43	Concentration of isoprene in artificial and thylakoid membranes. <i>Journal of Bioenergetics and Biomembranes</i> , 2015, 47, 419-429.	1.0	38
44	Effects of Ethanol on the Organization of Phosphocholine Lipid Bilayers. <i>Journal of Physical Chemistry B</i> , 2010, 114, 3840-3846.	1.2	36
45	The role of multiple electronic states in the dissipative energy dynamics of coumarin 153. <i>Chemical Physics</i> , 1994, 183, 249-267.	0.9	35
46	Design and Growth of Robust Layered Polymer Assemblies with Molecular Thickness Control. <i>Langmuir</i> , 1999, 15, 1418-1422.	1.6	35
47	Formation of Air-Stable Supported Lipid Monolayers and Bilayers. <i>Langmuir</i> , 2009, 25, 2962-2970.	1.6	34
48	Detection of a transient solvent-solute complex using time-resolved pump-probe spectroscopy. <i>Analytical Chemistry</i> , 1989, 61, 2394-2398.	3.2	33
49	Rotational Isomerization Barriers of Thiophene Oligomers in the Ground and First Excited Electronic States. A ¹ H NMR and Fluorescence Lifetime Investigation. <i>Journal of the American Chemical Society</i> , 1995, 117, 9551-9558.	6.6	33
50	Demonstration of Oriented Multilayers through Asymmetric Metal Coordination Chemistry. <i>Langmuir</i> , 1999, 15, 6379-6385.	1.6	32
51	Dynamics within a Single Molecular Layer. Aggregation, Relaxation, and the Absence of Motion. <i>Journal of the American Chemical Society</i> , 1996, 118, 12788-12795.	6.6	31
52	The Influence of Chromophore Structure on Intermolecular Interactions. A Study of Selected Rhodamines in Polar Protic and Aprotic Solvents. <i>Journal of Physical Chemistry A</i> , 2002, 106, 10718-10724.	1.1	31
53	Anomalous temperature-dependent reorientation of cresyl violet in 1-dodecanol. <i>The Journal of Physical Chemistry</i> , 1986, 90, 2521-2525.	2.9	30
54	Frank-Condon enhancement of I ₃ ⁻ in a conjugated polymer under double resonance conditions. <i>Journal of Chemical Physics</i> , 1990, 93, 4377-4382.	1.2	30

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55	Orientational and Vibrational Relaxation Dynamics of Perylene and 1-Methylperylene in n-Alcohols: Probing the Balance between van der Waals and Hydrogen-Bonding Interactions. <i>Journal of Physical Chemistry A</i> , 1999, 103, 999-1006.	1.1	30
56	Structural Contributions to Second-Order Optical Nonlinearities in Oriented Interfacial Multilayers. <i>Journal of the American Chemical Society</i> , 2000, 122, 7976-7985.	6.6	30
57	Dynamics of 7-Azatriptophan and Tryptophan Derivatives in Micellar Media. The Role of Ionic Charge and Substituent Structure. <i>Journal of Physical Chemistry B</i> , 2003, 107, 1079-1087.	1.2	30
58	Photopolymerized Polypyrrole Microvessels. <i>Chemistry - A European Journal</i> , 2012, 18, 310-320.	1.7	30
59	Structural Mediation of Interlayer Excitation Transport in Zirconium Phosphonate Multilayers. <i>Journal of the American Chemical Society</i> , 1999, 121, 4427-4432.	6.6	29
60	The picosecond spectroscopy of a polydiacetylene in the small signal limit: Detection and characterization of a new long-lived state. <i>Chemical Physics Letters</i> , 1989, 158, 329-333.	1.2	28
61	Vapor Adsorption onto Metal and Modified Interfaces: Evidence for Adsorbate Penetration of an Alkanethiol Monolayer on Gold. <i>Langmuir</i> , 1997, 13, 4031-4037.	1.6	28
62	A critical comparison of molecular reorientation in the ground and excited electronic states: Cresyl violet in methanol. <i>Journal of Chemical Physics</i> , 1985, 82, 39-44.	1.2	27
63	Time-resolved measurement of the stimulated emission Stokes shift in LDS750: Evidence for inhomogeneous relaxation kinetics. <i>Journal of Chemical Physics</i> , 1991, 95, 6317-6325.	1.2	27
64	Ultrafast stimulated emission spectroscopy of perylene in dilute solution: Measurement of ground state vibrational population relaxation. <i>Journal of Chemical Physics</i> , 1993, 98, 6075-6082.	1.2	27
65	A Molecular Lock-and-Key Approach To Detecting Solution Phase Self-Assembly. A Fluorescence and Absorption Study of Carminic Acid in Aqueous Glucose Solutions. <i>The Journal of Physical Chemistry</i> , 1996, 100, 7220-7229.	2.9	27
66	Radiative Dynamics in Solution and in Molecular Assemblies of an H-Aggregate-Forming Stilbazolium Amphiphile. <i>Journal of Physical Chemistry B</i> , 1997, 101, 8865-8873.	1.2	27
67	Strategies for Covalent Multilayer Growth. 2. Interlayer Linking Chemistry. <i>Chemistry of Materials</i> , 2002, 14, 2574-2581.	3.2	25
68	The site of regulation of light capture in Symbiodinium: Does the peridinin-chlorophyll protein detach to regulate light capture?. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 1227-1234.	0.5	25
69	Vibrational Population Relaxation of Perylene in Its Ground and Excited Electronic States. <i>The Journal of Physical Chemistry</i> , 1994, 98, 9417-9421.	2.9	23
70	The Role of Substrate Identity in Determining Monolayer Motional Relaxation Dynamics. <i>Journal of the American Chemical Society</i> , 1998, 120, 6336-6344.	6.6	22
71	Gauging the Effect of Impurities on Lipid Bilayer Phase Transition Temperature. <i>Journal of Physical Chemistry B</i> , 2006, 110, 16584-16590.	1.2	22
72	Strategies for Covalent Multilayer Growth. 1. Polymer Design and Characterization. <i>Chemistry of Materials</i> , 2002, 14, 2567-2573.	3.2	21

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73	Synthesis and Characterization of Amphiphilic Biomimetic Assemblies at Electrochemically Active Surfaces. <i>Langmuir</i> , 2003, 19, 3875-3882.	1.6	21
74	Open circuit potential shifts of activated carbon in aqueous solutions during chemical and adsorption interactions. <i>Journal of Applied Electrochemistry</i> , 2008, 38, 1369-1374.	1.5	21
75	Enhancement of ethanol oxidation at Pt and PtRu nanoparticles dispersed over hybrid zirconia-rhodium supports. <i>Journal of Power Sources</i> , 2014, 272, 681-688.	4.0	21
76	Ethanol-Induced Perturbations to Planar Lipid Bilayer Structures. <i>Journal of Physical Chemistry B</i> , 2014, 118, 537-546.	1.2	21
77	Synchronous pumping of two dye lasers using a single uv excitation source. <i>Optics Communications</i> , 1993, 99, 216-220.	1.0	20
78	Gauging Molecular Interactions between Substrates and Adsorbates. Substrate Mediation of Surface-Bound Chromophore Vibronic Coupling. <i>Journal of Physical Chemistry B</i> , 2003, 107, 4100-4106.	1.2	20
79	Covalent Adlayer Growth on a Diamond Thin Film Surface. <i>Journal of the American Chemical Society</i> , 2003, 125, 12726-12728.	6.6	20
80	Understanding the Balance between Ionic and Dispersion Interactions in Aqueous Micellar Media. <i>Journal of Physical Chemistry B</i> , 2003, 107, 7102-7108.	1.2	20
81	Enhancement of Enzyme Activity by Confinement in an Inverse Opal Structure. <i>Journal of Physical Chemistry C</i> , 2012, 116, 12165-12171.	1.5	20
82	New solvatochromic probes: performance enhancement via regulation of excited state structures. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 25210-25220.	1.3	20
83	Excitation Energy-Dependent Transient Spectral Relaxation of Coumarin 153. <i>Applied Spectroscopy</i> , 1998, 52, 82-90.	1.2	19
84	Electro-catalytic oxidation of 1,2-propanediol at nanoporous and planar solid Pt electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2011, 654, 13-19.	1.9	19
85	The Influence of Metal Ions on the Dynamics of Supported Phospholipid Langmuir Films. <i>Langmuir</i> , 2017, 33, 2986-2992.	1.6	19
86	An MNDO calculational study of selected oxazine, thiazine and oxazone dyes. <i>Chemical Physics</i> , 1989, 138, 365-375.	0.9	18
87	Title is missing!. <i>Journal of Materials Chemistry</i> , 2001, 11, 2996-3001.	6.7	18
88	Reorientation Dynamics of Rhodamine 640 in Normal Alcohols: A Measurement of the Length and Time Scale of Transient Local Heating in Solution. <i>Journal of Physical Chemistry A</i> , 2001, 105, 9328-9335.	1.1	18
89	Competition-based phenotyping reveals a fitness cost for maintaining phycobilisomes under fluctuating light in the cyanobacterium <i>Fremyella diplosiphon</i> . <i>Algal Research</i> , 2016, 15, 110-119.	2.4	18
90	Electroless Deposition of Poly(2-alkoxyaniline)s. <i>Langmuir</i> , 2004, 20, 3471-3476.	1.6	17

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91	Oxidative Transformations of Surface-Bound Perylene. <i>Langmuir</i> , 2005, 21, 1441-1447.	1.6	17
92	Modulation of an Induced Charge Density Gradient in the Room-Temperature Ionic Liquid BMIM ⁺ BF ₄ ⁻ . <i>Journal of Physical Chemistry C</i> , 2018, 122, 7361-7367.	1.5	17
93	Characterizing the Magnitude and Structure-Dependence of Free Charge Density Gradients in Room-Temperature Ionic Liquids. <i>Langmuir</i> , 2020, 36, 3038-3045.	1.6	17
94	Investigating Internal Structural Differences between Micelles and Unilamellar Vesicles of Decanoic Acid/Sodium Decanoate. <i>Journal of Physical Chemistry B</i> , 2006, 110, 13005-13010.	1.2	16
95	Optical organophosphate/phosphonate sensor based upon gold nanoparticle functionalized quartz. <i>Analytica Chimica Acta</i> , 2007, 602, 101-107.	2.6	16
96	Design and Characterization of Novel Tether Layer for Coupling of a Bilayer Lipid Membrane to the Surface of Gold. <i>Langmuir</i> , 2009, 25, 9337-9345.	1.6	16
97	Solvent-Dependent Changes in Molecular Reorientation Dynamics: The Role of Solvent ² Solvent Interactions. <i>Journal of Physical Chemistry A</i> , 2010, 114, 4957-4962.	1.1	16
98	Pyrene-Loaded Polypyrrole Microvessels. <i>Langmuir</i> , 2011, 27, 12720-12729.	1.6	16
99	Polymer Sol ² Gel Composite Inverse Opal Structures. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 6054-6061.	4.0	16
100	Solvent Methyl Group Density Dependence of Vibrational Population Relaxation in 1-Methylperylene: Evidence for Short-Range Organization in Branched Alkanes. <i>The Journal of Physical Chemistry</i> , 1996, 100, 5182-5187.	2.9	15
101	Adjusting the Third-Order Nonlinear Optical Properties of a Conjugated Polymer Film. <i>Journal of the American Chemical Society</i> , 1997, 119, 7367-7373.	6.6	15
102	Probing the Effects of Cholesterol on Pyrene-Functionalized Interfacial Adlayers. <i>Langmuir</i> , 2007, 23, 11042-11050.	1.6	15
103	Orientational and Vibrational Relaxation Dynamics of Perylene and 1-Methylperylene in Aldehydes and Ketones. <i>Journal of Physical Chemistry A</i> , 2001, 105, 6785-6793.	1.1	14
104	Surface immobilized optical probes: pyrene molecules covalently attached to silica and indium-doped tin oxide. <i>Bioelectrochemistry</i> , 2005, 66, 89-94.	2.4	14
105	Fluorescence and electrochemistry studies of pyrene-functionalized surface adlayers to probe the microenvironment formed by cholesterol. <i>Electrochimica Acta</i> , 2008, 53, 6704-6713.	2.6	14
106	Interrogating the role of liposome size in mediating the dynamics of a chromophore in the acyl chain region of a phospholipid bilayer. <i>Chemistry and Physics of Lipids</i> , 2008, 153, 130-137.	1.5	14
107	Effect of Hydrogen Bonding on the Rotational and Translational Dynamics of a Headgroup-Bound Chromophore in Bilayer Lipid Membranes. <i>Journal of Physical Chemistry B</i> , 2009, 113, 13263-13268.	1.2	14
108	Examining the Electrocatalytic Oxidation of Selected Diols at Nanoporous and Planar Pt Electrodes. <i>Journal of Physical Chemistry C</i> , 2011, 115, 11247-11256.	1.5	14

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109	Selective LXR agonist DMHCA corrects retinal and bone marrow dysfunction in type 2 diabetes. JCI Insight, 2020, 5, .	2.3	14
110	Vibrational Population Relaxation of Tetracene in n-Alkanes. Evidence for Short-Range Molecular Alignment. The Journal of Physical Chemistry, 1995, 99, 17748-17753.	2.9	13
111	Toluene-Filled Polypyrrole Microvessels: Entrapment and Dynamics of Encapsulated Perylene. Journal of Physical Chemistry B, 2010, 114, 14890-14896.	1.2	13
112	Interactions of Doxorubicin with Organized Interfacial Assemblies. 1. Electrochemical Characterization. Langmuir, 2013, 29, 14560-14569.	1.6	13
113	Excitation migration in the polydiacetylene DCHD. Chemical Physics Letters, 1993, 201, 521-527.	1.2	12
114	Measuring Self-Assembly in Solution: Incorporation and Dynamics of a "Tailor-Made Impurity" in Precrystalline Glucose Aggregates. The Journal of Physical Chemistry, 1996, 100, 17034-17040.	2.9	12
115	Dynamics of 7-Azatriptophan Derivatives in Micellar Media. Elucidating the Interactions between Peptide Oligomers and Micelles. Journal of Physical Chemistry B, 2002, 106, 6600-6608.	1.2	12
116	The role of phospholipid headgroups in mediating bilayer organization. Chemistry and Physics of Lipids, 2007, 150, 12-21.	1.5	12
117	Interrogating Interfacial Organization in Planar Bilayer Structures. Langmuir, 2008, 24, 8785-8793.	1.6	12
118	Probing the microenvironment of surface-attached pyrene formed by a thermo-responsive oligomer. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 74, 991-999.	2.0	12
119	Local and Long-Range Organization in Room Temperature Ionic Liquids. Langmuir, 2021, 37, 605-615.	1.6	12
120	Perturbation of the nonlinear optical response of a conjugated polymer by an adsorbate-induced electronic state. Chemical Physics Letters, 1991, 177, 287-292.	1.2	11
121	An Undergraduate Laboratory Experiment for the Direct Measurement of Monolayer-Formation Kinetics. Journal of Chemical Education, 1995, 72, 466.	1.1	11
122	An Experimental Examination of the Competition between Polar Coupling and Local Organization in Determining Vibrational Population Relaxation. The Journal of Physical Chemistry, 1996, 100, 14592-14597.	2.9	11
123	Measuring Aggregation in Aqueous Adipic Acid Solutions Using a Lock-and-Key Probe Molecule. Journal of Physical Chemistry B, 1998, 102, 7148-7155.	1.2	11
124	Investigating Hydrolytic Polymerization of Aqueous Zirconium Ions Using the Fluorescent Probe Pyrenecarboxylic Acid. Journal of Physical Chemistry B, 2002, 106, 3568-3575.	1.2	11
125	Quantitating the Dynamics of NBD Hexanoic Acid in Homogeneous Solution and in Solutions Containing Unilamellar Vesicles. Journal of Physical Chemistry B, 2006, 110, 6351-6358.	1.2	11
126	Triple Phase Boundary Photovoltammetry: Resolving Rhodamine B Reactivity in 4-(3-Phenylpropyl)pyridine Microdroplets. ChemPhysChem, 2010, 11, 2862-2870.	1.0	11

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127	Structural Disruption of Phospholipid Bilayers over a Range of Length Scales by <i>n</i> -Butanol. <i>Journal of Physical Chemistry B</i> , 2014, 118, 3085-3093.	1.2	11
128	Diffusional motion as a gauge of fluidity and interfacial adhesion. Supported alkylphosphonate monolayers. <i>Journal of Colloid and Interface Science</i> , 2016, 468, 145-155.	5.0	11
129	Controlling S ₂ Population in Cyanine Dyes Using Shaped Femtosecond Pulses. <i>Journal of Physical Chemistry A</i> , 2016, 120, 1876-1885.	1.1	11
130	Effects of Cu(II) on the Formation and Orientation of an Arachidic Acid Langmuir-Blodgett Film. <i>Langmuir</i> , 2019, 35, 3346-3353.	1.6	11
131	A Time Resolved Spectroscopic Study of Solution Phase Ionic Association and Dissociation. <i>The Journal of Physical Chemistry</i> , 1996, 100, 11526-11533.	2.9	10
132	Headgroup-Dependent Lipid Self-Assembly on Zirconium Phosphate-Terminated Interfaces. <i>Langmuir</i> , 2009, 25, 13918-13925.	1.6	10
133	Encapsulation of Nile Red in polypyrrole microvessels. <i>Polymer</i> , 2013, 54, 4538-4544.	1.8	10
134	Structure-Dependent Complexation of Fe ³⁺ by Anthracyclines. 1. The Importance of Pendent Hydroxyl Functionality. <i>Journal of Physical Chemistry B</i> , 2013, 117, 6859-6867.	1.2	10
135	Orientational and Vibrational Relaxation Dynamics of Perylene in the Cyclohexane-Ethanol Binary Solvent System. <i>Journal of Physical Chemistry B</i> , 2014, 118, 10525-10533.	1.2	10
136	MALDI ionization mechanisms investigated by comparison of isomers of dihydroxybenzoic acid. <i>Journal of Mass Spectrometry</i> , 2016, 51, 79-85.	0.7	10
137	Charge-Induced Birefringence in a Room-Temperature Ionic Liquid. <i>Journal of Physical Chemistry B</i> , 2021, 125, 950-955.	1.2	10
138	Transform-limited behavior from the synchronously pumped cw dye laser. <i>Optics Communications</i> , 1985, 53, 394-400.	1.0	9
139	Interchain dynamics and side-group modulation of excitons in a polydiacetylene. <i>Physical Review B</i> , 1990, 41, 7933-7936.	1.1	9
140	Probing Interfacial Organization in Surface Monolayers Using Tethered Pyrene. 2. Spectroscopy and Motional Freedom of the Adsorbates. <i>Journal of Physical Chemistry B</i> , 2005, 109, 15822-15827.	1.2	9
141	Evaluating the Role of Chromophore Side Group Identity in Mediating Solution-Phase Rotational Motion. <i>Journal of Physical Chemistry A</i> , 2007, 111, 558-566.	1.1	9
142	Spectroelectrochemical Investigation of TPPMn(III/II)-Driven Liquid Liquid Electrode Triple Phase Boundary Anion Transfer into 4-(3-Phenylpropyl)pyridine: ClO ₄ ⁻ , CO ₃ H ⁻ , Cl ⁻ , and F ⁻ . <i>Electroanalysis</i> , 2012, 24, 246-253.	1.5	9
143	Interactions of Doxorubicin with Organized Interfacial Assemblies. 2. Spectroscopic Characterization. <i>Langmuir</i> , 2013, 29, 14570-14579.	1.6	9
144	Hydrophilic iron oxide nanoparticles probe the organization of biomimetic layers: electrochemical and spectroscopic evidence. <i>Electrochimica Acta</i> , 2016, 209, 671-681.	2.6	9

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146	Proton Abstraction Mediates Interactions between the Super Photobase FRO-SB and Surrounding Alcohol Solvent. <i>Journal of Physical Chemistry B</i> , 2019, 123, 8448-8456.	1.2	9
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