Gary Blanchard

List of Publications by Year
in descending order

220 papers	5,950 citations	100601 38 h-index	111975 67 g-index
228 all docs	228 docs citations	228 times ranked	7057 citing authors

#	Article	IF	Citations
1	The effect of dilution on induced free charge density gradients in room temperature ionic liquids. Physical Chemistry Chemical Physics, 2022, 24, 3844-3853.	1.3	7
2	Quantitating the Binding Energy of Metal Ions to Langmuirâ€“Blodgett Monolayers: The Copper(II)â€“Octadecylphosphonic Acid System. Journal of Physical Chemistry B, 2022, , .	1.2	1
3	Charge-Induced Birefringence in a Room-Temperature Ionic Liquid. Journal of Physical Chemistry B, 2021, 125, 950-955.	1.2	10
4	Local and Long-Range Organization in Room Temperature Ionic Liquids. Langmuir, 2021, 37, 605-615.	1.6	12
5	Spectroscopic Analysis of Cu(II)-Complexed Thin Films to Characterize Molecular-Level Interactions and Film Behavior. Langmuir, 2021, 37, 5089-5097.	1.6	5
6	Metal Ion-Dependent Interfacial Organization and Dynamics of Metal-Phosphonate Monolayers. Langmuir, 2021, 37, 4658-4665.	1.6	3
7	Translational Diffusion Dynamics in Divalent Metal-Phosphonate Monolayers. Langmuir, 2021, 37, 7573-7581.	1.6	2
8	Effects of ethanol and n-butanol on the fluidity of supported lipid bilayers. Chemistry and Physics of Lipids, 2021, 238, 105091.	1.5	6
9	Controlling Quantum Interference between Virtual and Dipole Two-Photon Optical Excitation Pathways Using Phase-Shaped Laser Pulses. Journal of Physical Chemistry A, 2021, 125, 7534-7544.	1.1	8
10	Ceramide-mediation of diffusion in supported lipid bilayers. Chemistry and Physics of Lipids, 2021, 238, 105090.	1.5	2
11	Excited-State Dynamics of a Substituted Fluorene Derivative. The Central Role of Hydrogen Bonding Interactions with the Solvent. Journal of Physical Chemistry B, 2021, 125, 12242-12253.	1.2	2
12	Intramolecular Relaxation Dynamics Mediated by Solventâ€“Solute Interactions of Substituted Fluorene Derivatives. Solute Structural Dependence. Journal of Physical Chemistry B, 2021, 125, 12486-12499.	1.2	0
13	Steric effects in light-induced solvent proton abstraction. Physical Chemistry Chemical Physics, 2020, 22, 19613-19622.	1.3	4
14	Effect of Surface Oxygen on the Wettability and Electrochemical Properties of Boron-Doped Nanocrystalline Diamond Electrodes in Room-Temperature Ionic Liquids. Langmuir, 2020, 36, 5717-5729.	1.6	9
15	Characterizing the Magnitude and Structure-Dependence of Free Charge Density Gradients in Room-Temperature Ionic Liquids. Langmuir, 2020, 36, 3038-3045.	1.6	17
16	Isoenergetic two-photon excitation enhances solvent-to-solute excited-state proton transfer. Journal of Chemical Physics, 2020, 153, 224301.	1.2	4
17	Selective LXR agonist DMHCA corrects retinal and bone marrow dysfunction in type 2 diabetes. JCI Insight, 2020, 5, .	2.3	14
18	Proton Abstraction Mediates Interactions between the Super Photobase FR0-SB and Surrounding Alcohol Solvent. Journal of Physical Chemistry B, 2019, 123, 8448-8456.	1.2	9

#	Article	IF	Citations
19	Development of molecular tagging velocimetry for the ZBOT experiment. Experiments in Fluids, 2019, 60, 1.	1.1	3
20	Separation of Spinach Thylakoid Protein Complexes by Native Green Gel Electrophoresis and Band Characterization using Time-Correlated Single Photon Counting. Journal of Visualized Experiments, 2019, , .	0.2	0
21	Effects of Cu(II) on the Formation and Orientation of an Arachidic Acid Langmuirâ€“Blodgett Film. Langmuir, 2019, 35, 3346-3353.	1.6	11
22	Comparing Rotational and Translational Diffusion to Evaluate Heterogeneity in Binary Solvent Systems. Journal of Physical Chemistry B, 2019, 123, 216-224.	1.2	3
23	Magnetic polymer microcapsules loaded with Nile Red fluorescent dye. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 195, 148-156.	2.0	7
24	Surface charge and overlayer pH influence the dynamics of supported phospholipid films. Journal of Electroanalytical Chemistry, 2018, 812, 159-165.	1.9	7
25	Synthesis and Characterization of Tbâ€Doped Nanoferrites. ChemNanoMat, 2018, 4, 231-242.	1.5	5
26	Modulation of an Induced Charge Density Gradient in the Room-Temperature Ionic Liquid BMIM⁺BF₄^{â€“}. Journal of Physical Chemistry C, 2018, 122, 7361-7367.	1.5	17
27	Plasma Exosomes Contribute to Microvascular Damage in Diabetic Retinopathy by Activating the Classical Complement Pathway. Diabetes, 2018, 67, 1639-1649.	0.3	85
28	Using Diffusion To Characterize Interfacial Heterogeneity. Langmuir, 2017, 33, 1155-1161.	1.6	5
29	The Influence of Metal Ions on the Dynamics of Supported Phospholipid Langmuir Films. Langmuir, 2017, 33, 2986-2992.	1.6	19
30	Interplay between Endothelial Cell Cytoskeletal Rigidity and Plasma Membrane Fluidity. Biophysical Journal, 2017, 112, 831-833.	0.2	9
31	Measuring Competing Equilibria at a Silica Surface through the Contact Angle of a Nonpolar Liquid. Langmuir, 2017, 33, 9632-9636.	1.6	1
32	Role of Acid Sphingomyelinase in Shifting the Balance Between Proinflammatory and Reparative Bone Marrow Cells in Diabetic Retinopathy. Stem Cells, 2016, 34, 972-983.	1.4	39
33	Synthesis of MnO_x Water Oxidation Catalyst on Fluorineâ€Doped Tin Oxide with a Dualâ€Series Cyclic Voltammetry Method. ChemElectroChem, 2016, 3, 709-712.	1.7	4
34	Interface-mediation of lipid bilayer organization and dynamics. Physical Chemistry Chemical Physics, 2016, 18, 16977-16985.	1.3	3
35	Competition-based phenotyping reveals a fitness cost for maintaining phycobilisomes under fluctuating light in the cyanobacterium Fremyella diplosiphon. Algal Research, 2016, 15, 110-119.	2.4	18
36	Hydrophilic iron oxide nanoparticles probe the organization of biomimetic layers: electrochemical and spectroscopic evidence. Electrochimica Acta, 2016, 209, 671-681.	2.6	9

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37	MALDI ionization mechanisms investigated by comparison of isomers of dihydroxybenzoic acid. Journal of Mass Spectrometry, 2016, 51, 79-85.	0.7	10
38	Charge-Induced Long-Range Order in a Room-Temperature Ionic Liquid. Langmuir, 2016, 32, 9507-9512.	1.6	39
39	New solvatochromic probes: performance enhancement via regulation of excited state structures. Physical Chemistry Chemical Physics, 2016, 18, 25210-25220.	1.3	20
40	Reactive polymeric microspheres: Catalytic reduction of a nitrobenzene derivative. Journal of Applied Polymer Science, 2016, 133, .	1.3	0
41	Diffusional motion as a gauge of fluidity and interfacial adhesion. Supported alkylphosphonate monolayers. Journal of Colloid and Interface Science, 2016, 468, 145-155.	5.0	11
42	Controlling S₂ Population in Cyanine Dyes Using Shaped Femtosecond Pulses. Journal of Physical Chemistry A, 2016, 120, 1876-1885.	1.1	11
43	A Comparison of Energy Flow in Micelle and Vesicle Structures. Journal of Physical Chemistry B, 2015, 119, 3025-3033.	1.2	1
44	Evidence for Preferential Solvation in the Cyclohexane/n-Butanol Binary Solvent System. Journal of Physical Chemistry B, 2015, 119, 1986-1993.	1.2	6
45	Polymer Solâ€“Gel Composite Inverse Opal Structures. ACS Applied Materials & Interfaces, 2015, 7, 6054-6061.	4.0	16
46	Concentration of isoprene in artificial and thylakoid membranes. Journal of Bioenergetics and Biomembranes, 2015, 47, 419-429.	1.0	38
47	Gold-decorated polymer vessel structures as carriers of mRNA cap analogs. Polymer, 2015, 57, 77-87.	1.8	6
48	Nanoporous Platinum Electrodes as Substrates for Metal Oxide-Supported Noble Metal Electrocatalytic Nanoparticles: Synergistic Effects During Electrooxidation of Ethanol. Australian Journal of Chemistry, 2014, 67, 1414.	0.5	6
49	Electrocatalytic Enhancement Effects at Platinized Nanoporous Substrates: Oxidation of Ethanol at PtRu Nanoparticles Dispersed over Rh-Containing ZrO2 Support. ECS Transactions, 2014, 61, 57-65.	0.3	1
50	Excited state dynamics in the matrix-assisted laser desorption/ionization matrix 2,4,6-trihydroxyacetophenone: Evidence for triplet pooling charge separation reactions. Rapid Communications in Mass Spectrometry, 2014, 28, 2134-2140.	0.7	8
51	Orientational and Vibrational Relaxation Dynamics of Perylene in the Cyclohexaneâ€“Ethanol Binary Solvent System. Journal of Physical Chemistry B, 2014, 118, 10525-10533.	1.2	10
52	Detection and Characterization of Liquid|Solid and Liquid|Liquid|Solid Interfacial Gradients of Water Nanodroplets in Wet N-Octyl-2-Pyrrolidone. Langmuir, 2014, 30, 9951-9961.	1.6	8
53	Enhancement of ethanol oxidation at Pt and PtRu nanoparticles dispersed over hybrid zirconia-rhodium supports. Journal of Power Sources, 2014, 272, 681-688.	4.0	21
54	Liquid|Liquid Interfacial Photoelectrochemistry of Chromoionophoreâ€¦I Immobilised in 4â€(3â€Phenylpropyl)Pyridine Microdroplets. ChemElectroChem, 2014, 1, 400-406.	1.7	2

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55	Micelle-Induced Versatile Sensing Behavior of Bispyrene-Based Fluorescent Molecular Sensor for Picric Acid and PYX Explosives. Langmuir, 2014, 30, 7645-7653.	1.6	90
56	Ethanol-Induced Perturbations to Planar Lipid Bilayer Structures. Journal of Physical Chemistry B, 2014, 118, 537-546.	1.2	21
57	Structural Disruption of Phospholipid Bilayers over a Range of Length Scales by n-Butanol. Journal of Physical Chemistry B, 2014, 118, 3085-3093.	1.2	11
58	The site of regulation of light capture in Symbiodinium: Does the peridininâ€“chlorophyll aâ€“protein detach to regulate light capture?. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 1227-1234.	0.5	25
59	Phospholipid vesicle stability and temporal variations in acyl chain organization. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 110, 383-390.	2.0	6
60	Encapsulation of Nile Red in polypyrrole microvessels. Polymer, 2013, 54, 4538-4544.	1.8	10
61	Structure-Dependent Complexation of Fe³⁺ by Anthracyclines. 2. The Roles of Methoxy and Daunosamine Functionalities. Journal of Physical Chemistry B, 2013, 117, 6868-6873.	1.2	8
62	Structure-Dependent Complexation of Fe3+by Anthracyclines. 1. The Importance of Pendent Hydroxyl Functionality. Journal of Physical Chemistry B, 2013, 117, 6859-6867.	1.2	10
63	State-Dependent Rotational Diffusion of Tetracene in n-Alkanes. Evidence for a Dominant Energy Relaxation Pathway. Journal of Physical Chemistry B, 2013, 117, 16260-16265.	1.2	1
64	Interactions of Doxorubicin with Organized Interfacial Assemblies. 2. Spectroscopic Characterization. Langmuir, 2013, 29, 14570-14579.	1.6	9
65	Interactions of Doxorubicin with Organized Interfacial Assemblies. 1. Electrochemical Characterization. Langmuir, 2013, 29, 14560-14569.	1.6	13
66	Doxorubicin is a photocatalyst for the generation of H2O2. RSC Advances, 2012, 2, 4059.	1.7	6
67	Enhancement of Enzyme Activity by Confinement in an Inverse Opal Structure. Journal of Physical Chemistry C, 2012, 116, 12165-12171.	1.5	20
68	Photoinduced Reactivity of Doxorubicin: Catalysis and Degradation. Journal of Physical Chemistry A, 2012, 116, 4330-4337.	1.1	40
69	Lipid adlayer organization mediated by a liquid overlayer. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 98, 429-435.	2.0	0
70	Evaluating the Sensitivity of Lipid Headgroup-Bound Chromophores to Their Local Environment. Journal of Physical Chemistry B, 2012, 116, 966-973.	1.2	1
71	Photopolymerized Polypyrrole Microvessels. Chemistry - A European Journal, 2012, 18, 310-320.	1.7	30
72	Spectroelectrochemical Investigation of TPPMn(III/II)â€Driven Liquid | Liquid | Electrode Triple Phase Boundary Anion Transfer into 4â€(3â€Phenylpropyl)â€Pyridine: ClO₄^{â^’}, CO₃H^{â^’}, Cl^{â^’}, and F^{â^’}. Electroanalysis, 2012, 24, 246-253.	1.5	9

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73	Consequences of Transient Heating on the Motional Dynamics of Cholesterol-Containing Phospholipid Vesicles. Journal of Physical Chemistry B, 2011, 115, 3819-3827.	1.2	4
74	Liquid	Liquid	Electrode Triple-Phase Boundary Photovoltammetry of Pentoxyresorufin in 4-(3-Phenylpropyl)pyridine. Langmuir, 2011, 27, 6471-6477.	1.6	7
75	Examining the Electrocatalytic Oxidation of Selected Diols at Nanoporous and Planar Pt Electrodes. Journal of Physical Chemistry C, 2011, 115, 11247-11256.	1.5	14
76	Pyrene-Loaded Polypyrrole Microvessels. Langmuir, 2011, 27, 12720-12729.	1.6	16
77	Electro-catalytic oxidation of 1,2-propanediol at nanoporous and planar solid Pt electrodes. Journal of Electroanalytical Chemistry, 2011, 654, 13-19.	1.9	19
78	Strategies for the growth of self-assembled phospholipid adlayers. Bioelectrochemistry, 2010, 80, 10-16.	2.4	1
79	Triple Phase Boundary Photovoltammetry: Resolving Rhodamine B Reactivity in 4â€(3â€Phenylpropyl)â€Pyridine Microdroplets. ChemPhysChem, 2010, 11, 2862-2870.	1.0	11
80	Effects of Ethanol on the Organization of Phosphocholine Lipid Bilayers. Journal of Physical Chemistry B, 2010, 114, 3840-3846.	1.2	36
81	Constituent-Dependent Liposome Structure and Organization. Langmuir, 2010, 26, 1043-1050.	1.6	6
82	Solvent-Dependent Changes in Molecular Reorientation Dynamics: The Role of Solventâ'Solvent Interactions. Journal of Physical Chemistry A, 2010, 114, 4957-4962.	1.1	16
83	Toluene-Filled Polypyrrole Microvessels: Entrapment and Dynamics of Encapsulated Perylene. Journal of Physical Chemistry B, 2010, 114, 14890-14896.	1.2	13
84	Effects of Energy Dissipation on Motional Dynamics in Unilamellar Vesicles. Journal of Physical Chemistry B, 2010, 114, 13703-13709.	1.2	6
85	Effects of Electrolyte Concentration on the Rotational Dynamics of Resorufin. Journal of Physical Chemistry A, 2010, 114, 12875-12880.	1.1	4
86	Evaluating the Role of Pt and Pd Catalyst Morphology on Electrocatalytic Methanol and Ethanol Oxidation. Journal of Physical Chemistry C, 2010, 114, 6019-6026.	1.5	88
87	Lipid headgroups mediate organization and dynamics in bilayers. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 71, 2050-2056.	2.0	6
88	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
89	Headgroup-Dependent Lipid Self-Assembly on Zirconium Phosphate-Terminated Interfaces. Langmuir, 2009, 25, 13918-13925.	1.6	10
90	Formation of Air-Stable Supported Lipid Monolayers and Bilayers. Langmuir, 2009, 25, 2962-2970.	1.6	34

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91	Ionic Binding of Phospholipids to Interfaces: Dependence on Metal Ion Identity. Langmuir, 2009, 25, 13025-13033.	1.6	8
92	Effect of Hydrogen Bonding on the Rotational and Translational Dynamics of a Headgroup-Bound Chromophore in Bilayer Lipid Membranes. Journal of Physical Chemistry B, 2009, 113, 13263-13268.	1.2	14
93	Design and Characterization of Novel Tether Layer for Coupling of a Bilayer Lipid Membrane to the Surface of Gold. Langmuir, 2009, 25, 9337-9345.	1.6	16
94	Fluorescence and electrochemistry studies of pyrene-functionalized surface adlayers to probe the microenvironment formed by cholesterol. Electrochimica Acta, 2008, 53, 6704-6713.	2.6	14
95	Open circuit potential shifts of activated carbon in aqueous solutions during chemical and adsorption interactions. Journal of Applied Electrochemistry, 2008, 38, 1369-1374.	1.5	21
96	Interrogating the role of liposome size in mediating the dynamics of a chromophore in the acyl chain region of a phospholipid bilayer. Chemistry and Physics of Lipids, 2008, 153, 130-137.	1.5	14
97	Surface-Confined Energy Transfer in Mixed Self-Assembled Monolayers. Langmuir, 2008, 24, 8752-8759.	1.6	6
98	Interrogating Interfacial Organization in Planar Bilayer Structures. Langmuir, 2008, 24, 8785-8793.	1.6	12
99	Optical Organophosphate Sensor Based upon Gold Nanoparticle Functionalized Fumed Silica Gel. Analytical Chemistry, 2007, 79, 3448-3454.	3.2	44
100	On the Behavior of Indole-Containing Species Sequestered within Reverse Micelles at Sub-Zero Temperatures. Applied Spectroscopy, 2007, 61, 537-547.	1.2	0
101	Probing the Effects of Cholesterol on Pyrene-Functionalized Interfacial Adlayers. Langmuir, 2007, 23, 11042-11050.	1.6	15
102	Comparison of Liposomes Formed by Sonication and Extrusion:â€‰ Rotational and Translational Diffusion of an Embedded Chromophore. Langmuir, 2007, 23, 11677-11683.	1.6	143
103	Evaluating the Role of Chromophore Side Group Identity in Mediating Solution-Phase Rotational Motion. Journal of Physical Chemistry A, 2007, 111, 558-566.	1.1	9
104	Investigation of the interactions between alkanethiol self-assembled monolayers and a liquid overlayer using impedance spectroscopy. Physical Chemistry Chemical Physics, 2007, 9, 6142.	1.3	5
105	Probing organization and communication at layered interfaces. Bioelectrochemistry, 2007, 70, 421-434.	2.4	2
106	The role of phospholipid headgroups in mediating bilayer organization. Chemistry and Physics of Lipids, 2007, 150, 12-21.	1.5	12
107	Optical organophosphate/phosphonate sensor based upon gold nanoparticle functionalized quartz. Analytica Chimica Acta, 2007, 602, 101-107.	2.6	16
108	Immobilization of laccase on gold, silver and indium tin oxide by zirconiumâ€“phosphonateâ€“carboxylate (ZPC) coordination chemistry. Bioelectrochemistry, 2007, 71, 15-22.	2.4	43

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109	Quantitating the association of charged molecules with ionic micelles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 67, 98-104.	2.0	1
110	Formation and encapsulation of gold nanoparticles using a polymeric amine reducing agent. Journal of Nanoparticle Research, 2007, 9, 861-868.	0.8	46
111	Investigating Internal Structural Differences between Micelles and Unilamellar Vesicles of Decanoic Acid/Sodium Decanoate. Journal of Physical Chemistry B, 2006, 110, 13005-13010.	1.2	16
112	Dynamics of 4-Benzylamino-7-nitrobenzofurazan in the 1-Propanol/Water Binary Solvent System. Evidence for Composition-Dependent Solvent Organization. Journal of Physical Chemistry A, 2006, 110, 3426-3431.	1.1	6
113	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
114	Gauging the Effect of Impurities on Lipid Bilayer Phase Transition Temperature. Journal of Physical Chemistry B, 2006, 110, 16584-16590.	1.2	22
115	Formation of Gold Nanoparticles Using Amine Reducing Agents. Langmuir, 2006, 22, 5882-5887.	1.6	380
116	Design, synthesis and characterization of monomolecular interfacial layers. Bioelectrochemistry, 2005, 66, 9-21.	2.4	2
117	Spectroscopic and electrochemical characterization of interfacial biomimetic assemblies on electrochemically generated gold oxide surfaces. Bioelectrochemistry, 2005, 66, 71-77.	2.4	8
118	Surface immobilized optical probes: pyrene molecules covalently attached to silica and indium-doped tin oxide. Bioelectrochemistry, 2005, 66, 89-94.	2.4	14
119	Probing Interfacial Organization in Surface Monolayers Using Tethered Pyrene. 2. Spectroscopy and Motional Freedom of the Adsorbates. Journal of Physical Chemistry B, 2005, 109, 15822-15827.	1.2	9
120	Use of Zirconiumâ^'Phosphateâ^'Carbonate Chemistry to Immobilize Polycyclic Aromatic Hydrocarbons on Boron-Doped Diamond. Langmuir, 2005, 21, 8802-8808.	1.6	43
121	Oxidative Transformations of Surface-Bound Perylene. Langmuir, 2005, 21, 1441-1447.	1.6	17
122	Probing Intermolecular Communication with Surface-Attached Pyrene. Journal of Physical Chemistry B, 2005, 109, 4076-4083.	1.2	44
123	Probing Interfacial Organization in Surface Monolayers Using Tethered Pyrene. 1. Structural Mediation of Electron and Proton Access to Adsorbates. Journal of Physical Chemistry B, 2005, 109, 15812-15821.	1.2	40
124	Photochemical and Electrochemical Oxidation Reactions of Surface-Bound Polycyclic Aromatic Hydrocarbons. Journal of Physical Chemistry B, 2004, 108, 1038-1045.	1.2	50
125	Effect of Positional Substitution on the Optical Response of Symmetrically Disubstituted Azobenzene Derivatives. Journal of Physical Chemistry B, 2004, 108, 4962-4968.	1.2	68
126	Electroless Deposition of Poly(2-alkoxyaniline)s. Langmuir, 2004, 20, 3471-3476.	1.6	17

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127	Synthesis and Characterization of Amphiphilic Biomimetic Assemblies at Electrochemically Active Surfaces. Langmuir, 2003, 19, 3875-3882.	1.6	21
128	Gauging Molecular Interactions between Substrates and Adsorbates. Substrate Mediation of Surface-Bound Chromophore Vibronic Coupling. Journal of Physical Chemistry B, 2003, 107, 4100-4106.	1.2	20
129	Covalent Adlayer Growth on a Diamond Thin Film Surface. Journal of the American Chemical Society, 2003, 125, 12726-12728.	6.6	20
130	Understanding the Balance between Ionic and Dispersion Interactions in Aqueous Micellar Media. Journal of Physical Chemistry B, 2003, 107, 7102-7108.	1.2	20
131	Dynamics of 7-Azatryptophan and Tryptophan Derivatives in Micellar Media. The Role of Ionic Charge and Substituent Structure. Journal of Physical Chemistry B, 2003, 107, 1079-1087.	1.2	30
132	Achieving Thermodynamic Control of Adsorption and Desorption at Layered Polymer Interfaces. Langmuir, 2003, 19, 2267-2274.	1.6	2
133	Spectroscopic characterization of acid generation and concentration and free volume evolution in chemically amplified resists. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2002, 20, 219.	1.6	3
134	Ultrafast Stimulated Emission Spectroscopy. , 2002, , 253-303.		0
135	The Influence of Chromophore Structure on Intermolecular Interactions. A Study of Selected Rhodamines in Polar Protic and Aprotic Solvents. Journal of Physical Chemistry A, 2002, 106, 10718-10724.	1.1	31
136	Dynamics of 7-Azatryptophan Derivatives in Micellar Media. Elucidating the Interactions between Peptide Oligomers and Micelles. Journal of Physical Chemistry B, 2002, 106, 6600-6608.	1.2	12
137	Acid-Enhanced Interfacial Polymer Layer Growth. Chemistry of Materials, 2002, 14, 4320-4327.	3.2	6
138	Characterizing Metal Phosphonate Surface Coverage Using Surface Second Harmonic Generation. Evidence for the Coexistence of Ordered and Disordered Domains. Langmuir, 2002, 18, 6246-6253.	1.6	7
139	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
140	Adsorption Behavior of Polymer-Modified Interfaces. Langmuir, 2002, 18, 6548-6553.	1.6	8
141	Strategies for Covalent Multilayer Growth. 2. Interlayer Linking Chemistry. Chemistry of Materials, 2002, 14, 2574-2581.	3.2	25
142	Strategies for Covalent Multilayer Growth. 1. Polymer Design and Characterization. Chemistry of Materials, 2002, 14, 2567-2573.	3.2	21
143	Title is missing!. Journal of Materials Chemistry, 2001, 11, 2996-3001.	6.7	18
144	Orientational and Vibrational Relaxation Dynamics of Perylene and 1-Methylperylene in Aldehydes and Ketones. Journal of Physical Chemistry A, 2001, 105, 6785-6793.	1.1	14

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145	Covalently Bound Polymer Multilayers for Efficient Metal Ion Sorption. Langmuir, 2001, 17, 1163-1168.	1.6	39
146	Surface Second Harmonic Generation from Asymmetric Multilayer Assemblies:Â Gaining Insight into Layer-Dependent Order. Langmuir, 2001, 17, 3438-3446.	1.6	40
147	Reorientation Dynamics of Rhodamine 640 in Normal Alcohols:Â Measurement of the Length and Time Scale of Transient Local Heating in Solution. Journal of Physical Chemistry A, 2001, 105, 9328-9335.	1.1	18
148	Characterizing and Controlling Nanoscale Structure Using Layered Materials. Biomedical Microdevices, 2001, 3, 19-27.	1.4	0
149	Spectroscopic characterization of acid mobility in chemically amplified resists. , 2000, 3999, 161.		1
150	Role of Probe Molecule Structure in Sensing Solution Phase Interactions in Ternary Systems. Journal of Physical Chemistry A, 2000, 104, 8340-8345.	1.1	6
151	Probing Interfaces and Surface Reactions of Zirconium Phosphate/Phosphonate Multilayers Using31P NMR Spectrometry. Langmuir, 2000, 16, 695-701.	1.6	42
152	Lifetime and Reorientation Measurements of 7-Azaindole and 7-Azatryptophan in Aqueous Adipic Acid Solutions:Â The Significance of Pendant Functionalities in Solution Phase Association Processes. Journal of Physical Chemistry A, 2000, 104, 7261-7267.	1.1	3
153	Applying Polymer Chemistry to Interfaces:Â Layer-by-Layer and Spontaneous Growth of Covalently Bound Multilayers. Langmuir, 2000, 16, 4655-4661.	1.6	104
154	Structural Contributions to Second-Order Optical Nonlinearities in Oriented Interfacial Multilayers. Journal of the American Chemical Society, 2000, 122, 7976-7985.	6.6	30
155	Design and Demonstration of Hybrid Multilayer Structures:Â Layer-by-Layer Mixed Covalent and Ionic Interlayer Linking Chemistry. Langmuir, 2000, 16, 8518-8524.	1.6	68
156	Structural Mediation of Interlayer Excitation Transport in Zirconiumâ˜Phosphonate Multilayers. Journal of the American Chemical Society, 1999, 121, 4427-4432.	6.6	29
157	Orientational and Vibrational Relaxation Dynamics of Perylene and 1-Methylperylene in n-Alcohols:â€‰Probing the Balance between van der Waals and Hydrogen-Bonding Interactions. Journal of Physical Chemistry A, 1999, 103, 999-1006.	1.1	30
158	Correspondence between Layer Morphology and Intralayer Excitation Transport Dynamics in Zirconiumâ˜Phosphonate Monolayers. Journal of the American Chemical Society, 1999, 121, 4419-4426.	6.6	38
159	Design and Growth of Robust Layered Polymer Assemblies with Molecular Thickness Control. Langmuir, 1999, 15, 1418-1422.	1.6	35
160	Demonstration of Oriented Multilayers through Asymmetric Metal Coordination Chemistry. Langmuir, 1999, 15, 6379-6385.	1.6	32
161	Characterizing acid mobility in chemically amplified resists via spectroscopic methods. , 1999, , .		4
162	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

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163	Assembly of Covalently-Coupled Disulfide Multilayers on Gold. Journal of the American Chemical Society, 1998, 120, 11962-11968.	6.6	144
164	The Role of Substrate Identity in Determining Monolayer Motional Relaxation Dynamics. Journal of the American Chemical Society, 1998, 120, 6336-6344.	6.6	22
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