Daniel K Schwartz

List of Publications by Year
in descending order

252 papers	11,317 citations	32410 55 h-index	46524 93 g-index
259 all docs	259 docs citations	259 times ranked	10717 citing authors

#	Article	IF	Citations
1	Fouling of microfiltration membranes by bidisperse particle solutions. Journal of Membrane Science, 2022, 641, 119878.	4.1	12
2	Probing surface-adsorbate interactions through active particle dynamics. Journal of Colloid and Interface Science, 2022, 614, 425-435.	5.0	7
3	Investigating deposition sequence during synthesis of Pd/Al₂O₃ catalysts modified with organic monolayers. Catalysis Science and Technology, 2022, 12, 2306-2314.	2.1	3
4	Enhanced Facilitated Diffusion of Membrane-Associating Proteins under Symmetric Confinement. Journal of Physical Chemistry Letters, 2022, 13, 2901-2907.	2.1	2
5	Biocatalytic 3D Actuation in Liquid Crystal Elastomers via Enzyme Patterning. ACS Applied Materials & Interfaces, 2022, 14, 26480-26488.	4.0	11
6	Effects of Surface Hydrophobicity on Catalytic Transfer Hydrogenation of Styrene with Formic Acid in a Biphasic Mixture. ACS Applied Materials & Interfaces, 2022, 14, 33457-33462.	4.0	0
7	Cadherin cis and trans interactions are mutually cooperative. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	24
8	Enhanced Diffusive Transport in Fluctuating Porous Media. ACS Nano, 2021, 15, 7392-7398.	7.3	10
9	Single molecule characterization of anomalous transport in a thin, anisotropic film. Analytica Chimica Acta, 2021, 1154, 338331.	2.6	4
10	Faster Surface Ligation Reactions Improve Immobilized Enzyme Structure and Activity. Journal of the American Chemical Society, 2021, 143, 7154-7163.	6.6	22
11	Mechanisms of transport enhancement for self-propelled nanoswimmers in a porous matrix. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	15
12	Understanding Design Rules for Optimizing the Interface between Immobilized Enzymes and Random Copolymer Brushes. ACS Applied Materials & Interfaces, 2021, 13, 26694-26703.	4.0	22
13	Chemically Triggered Changes in Mechanical Properties of Responsive Liquid Crystal Polymer Networks with Immobilized Urease. Journal of the American Chemical Society, 2021, 143, 16740-16749.	6.6	13
14	Diffusion of Short Semiflexible DNA Polymer Chains in Strong and Moderate Confinement. ACS Macro Letters, 2021, 10, 1191-1195.	2.3	6
15	Controlling Catalyst-Phase Selectivity in Complex Mixtures with Amphiphilic Janus Particles. ACS Applied Materials & Interfaces, 2020, 12, 2338-2345.	4.0	28
16	Connecting Hindered Transport in Porous Media across Length Scales: From Single-Pore to Macroscopic. Journal of Physical Chemistry Letters, 2020, 11, 8825-8831.	2.1	13
17	Engineering the Composition of Heterogeneous Lipid Bilayers to Stabilize Tethered Enzymes. Advanced Materials Interfaces, 2020, 7, 2000533.	1.9	10
18	Non-Brownian Interfacial Diffusion: Flying, Hopping, and Crawling. Journal of Physical Chemistry C, 2020, 124, 19880-19891.	1.5	26

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19	Nanoparticle Tracking to Probe Transport in Porous Media. Accounts of Chemical Research, 2020, 53, 2130-2139.	7.6	27
20	Mixed Phospholipid Vesicles Catalytically Inhibit and Reverse Amyloid Fibril Formation. Journal of Physical Chemistry Letters, 2020, 11, 7417-7422.	2.1	7
21	Single-Molecule Observations Provide Mechanistic Insights into Bimolecular Knoevenagel Amino Catalysis. Journal of Physical Chemistry Letters, 2020, 11, 9714-9724.	2.1	7
22	Polyelectrolyte Multilayers Enhance the Dry Storage and pH Stability of Physically Entrapped Enzymes. ACS Applied Materials & Interfaces, 2020, 12, 22640-22649.	4.0	16
23	Polyelectrolyte Surface Diffusion in a Nanoslit Geometry. Macromolecules, 2020, 53, 4110-4120.	2.2	10
24	Changes in microbubble dynamics upon adhesion to a solid surface. Applied Physics Letters, 2020, 116, 123703.	1.5	3
25	Particle remobilization in filtration membranes during flow interruption. Journal of Membrane Science, 2020, 610, 118405.	4.1	7
26	Electrostatic Barriers to Nanoparticle Accessibility of a Porous Matrix. Journal of the American Chemical Society, 2020, 142, 4696-4704.	6.6	12
27	Interplay of electrostatic repulsion and surface grafting density on surface-mediated DNA hybridization. Journal of Colloid and Interface Science, 2020, 566, 369-374.	5.0	12
28	Temporally Anticorrelated Subdiffusion in Water Nanofilms on Silica Suggests Near-Surface Viscoelasticity. ACS Nano, 2020, 14, 3041-3047.	7.3	11
29	Reduced Enzyme Dynamics upon Multipoint Covalent Immobilization Leads to Stability-Activity Trade-off. Journal of the American Chemical Society, 2020, 142, 3463-3471.	6.6	76
30	Cadherin clusters stabilized by a combination of specific and nonspecific cis-interactions. ELife, 2020, 9, .	2.8	33
31	Antimicrobial peptide activity is anticorrelated with lipid a leaflet affinity. PLoS ONE, 2020, 15, e0242907.	1.1	4
32	Cadherin Extracellular Domain Clustering in the Absence of <i>Trans</i>-Interactions. Journal of Physical Chemistry Letters, 2019, 10, 4528-4534.	2.1	23
33	Diffusive Escape of a Nanoparticle from a Porous Cavity. Physical Review Letters, 2019, 123, 118002.	2.9	29
34	Influence of Oligonucleotide Grafting Density on Surface-Mediated DNA Transport and Hybridization. ACS Nano, 2019, 13, 7850-7859.	7.3	12
35	Surface-Templated Nanobubbles Protect Proteins from Surface-Mediated Denaturation. Journal of Physical Chemistry Letters, 2019, 10, 2641-2647.	2.1	8
36	Dramatic Increase in Catalytic Performance of Immobilized Lipases by Their Stabilization on Polymer Brush Supports. ACS Catalysis, 2019, 9, 4992-5001.	5.5	36

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37	Standalone interferometry-based calibration of convex lens-induced confinement microscopy with nanoscale accuracy. Analyst, The, 2019, 144, 2628-2634.	1.7	8
38	Complex Salt Dependence of Polymer Diffusion in Polyelectrolyte Multilayers. Journal of Physical Chemistry Letters, 2019, 10, 987-992.	2.1	23
39	Stabilization of Fibronectin by Random Copolymer Brushes Inhibits Macrophage Activation. ACS Applied Bio Materials, 2019, 2, 4698-4702.	2.3	14
40	Effects of metal oxide surface doping with phosphonic acid monolayers on alcohol dehydration activity and selectivity. Applied Catalysis A: General, 2019, 571, 102-106.	2.2	15
41	Steric Repulsion Forces Contributed by PEGylation of Interleukin-1 Receptor Antagonist Reduce Gelation and Aggregation at the Silicone Oil-Water Interface. Journal of Pharmaceutical Sciences, 2019, 108, 162-172.	1.6	14
42	Enhancing Cooperativity in Bifunctional Acidâ€“Pd Catalysts with Carboxylic Acid-Functionalized Organic Monolayers. Journal of Physical Chemistry C, 2018, 122, 6637-6647.	1.5	22
43	Grafting Density Impacts Local Nanoscale Hydrophobicity in Poly(ethylene glycol) Brushes. ACS Macro Letters, 2018, 7, 498-503.	2.3	38
44	Proteinâ€“protein interactions controlling interfacial aggregation of rhILâ€•1ra are not described by simple colloid models. Protein Science, 2018, 27, 1191-1204.	3.1	20
45	Preface to the Early Career Authors in Fundamental Colloid and Interface Science Special Issue. Langmuir, 2018, 34, 727-728.	1.6	0
46	Three Regimes of Polymer Surface Dynamics under Crowded Conditions. Macromolecules, 2018, 51, 1207-1214.	2.2	22
47	Photoinduced Pinocytosis for Artificial Cell and Protocell Systems. Chemistry of Materials, 2018, 30, 8757-8763.	3.2	8
48	Impact of surface interactions on protein conformation. Current Opinion in Colloid and Interface Science, 2018, 38, 45-55.	3.4	55
49	Effect of Surface Hydrophobicity of Pd/Al₂O₃ on Vanillin Hydrodeoxygenation in a Water/Oil System. ACS Catalysis, 2018, 8, 11165-11173.	5.5	63
50	Nanoconfinement and Sansetsukon-like Nanocrawling Govern Fibrinogen Dynamics and Self-Assembly on Nanostructured Polymeric Surfaces. Langmuir, 2018, 34, 14309-14316.	1.6	7
51	Phosphonic acid promotion of supported Pd catalysts for low temperature vanillin hydrodeoxygenation in ethanol. Applied Catalysis A: General, 2018, 561, 1-6.	2.2	34
52	Stabilization of Immobilized Enzymes via the Chaperone-Like Activity of Mixed Lipid Bilayers. ACS Applied Materials & Interfaces, 2018, 10, 19504-19513.	4.0	30
53	Single-nanoparticle tracking reveals mechanisms of membrane fouling. Journal of Membrane Science, 2018, 563, 888-895.	4.1	13
54	Correlating Structural and Functional Heterogeneity of Immobilized Enzymes. ACS Nano, 2018, 12, 8091-8103.	7.3	38

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55	Contact Line Pinning Is Not Required for Nanobubble Stability on Copolymer Brushes. Journal of Physical Chemistry Letters, 2018, 9, 4239-4244.	2.1	23
56	Single-Molecule Resolution of Antimicrobial Peptide Interactions with Supported Lipid A Bilayers. Biophysical Journal, 2018, 114, 2606-2616.	0.2	13
57	Surface-Mediated DNA Hybridization: Effects of DNA Conformation, Surface Chemistry, and Electrostatics. Langmuir, 2017, 33, 12651-12659.	1.6	18
58	Controlling the Surface Reactivity of Titania via Electronic Tuning of Self-Assembled Monolayers. ACS Catalysis, 2017, 7, 8351-8357.	5.5	30
59	Enhanced information content for three-dimensional localization and tracking using the double-helix point spread function with variable-angle illumination epifluorescence microscopy. Applied Physics Letters, 2017, 110, .	1.5	16
60	Mapping the Functional Tortuosity and Spatiotemporal Heterogeneity of Porous Polymer Membranes with Super-Resolution Nanoparticle Tracking. ACS Applied Materials & Interfaces, 2017, 9, 43258-43266.	4.0	15
61	Connecting Protein Conformation and Dynamics with Ligandâ€"Receptor Binding Using Three-Color FÃ¶rster Resonance Energy Transfer Tracking. Journal of the American Chemical Society, 2017, 139, 9937-9948.	6.6	14
62	Three-Dimensional Tracking of Interfacial Hopping Diffusion. Physical Review Letters, 2017, 119, 268001.	2.9	59
63	Cadherin Diffusion in Supported Lipid Bilayers Exhibits Calcium-Dependent Dynamic Heterogeneity. Biophysical Journal, 2016, 111, 2658-2665.	0.2	16
64	Polymer Surface Transport Is a Combination of in-Plane Diffusion and Desorption-Mediated Flights. ACS Macro Letters, 2016, 5, 509-514.	2.3	21
65	Trimethylsilyl functionalization of alumina (Î³-Al₂O₃) increases activity for 1,2-propanediol dehydration. Catalysis Science and Technology, 2016, 6, 5721-5728.	2.1	9
66	Application of thiolate self-assembled monolayers in selective alcohol oxidation for suppression of Pd catalyst deactivation. Journal of Catalysis, 2016, 344, 722-728.	3.1	13
67	Toeholdâ€Mediated Displacement of an Adenosineâ€Binding Aptamer from a DNA Duplex by its Ligand. Angewandte Chemie - International Edition, 2016, 55, 13710-13713.	7.2	33
68	Toeholdâ€Mediated Displacement of an Adenosineâ€Binding Aptamer from a DNA Duplex by its Ligand. Angewandte Chemie, 2016, 128, 13914-13917.	1.6	2
69	Interfacial Molecular Searching Using Forager Dynamics. Physical Review Letters, 2016, 116, 098303.	2.9	21
70	Challenges in Predicting Protein-Protein Interactions from Measurements of Molecular Diffusivity. Biophysical Journal, 2016, 111, 1831-1842.	0.2	49
71	Surface-Mediated Protein Unfolding as a Search Process for Denaturing Sites. ACS Nano, 2016, 10, 730-738.	7.3	54
72	Dense Poly(ethylene glycol) Brushes Reduce Adsorption and Stabilize the Unfolded Conformation of Fibronectin. Biomacromolecules, 2016, 17, 1017-1025.	2.6	64

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73	Influence of Protein Surface Coverage on Anomalously Strong Adsorption Sites. ACS Applied Materials & Interfaces, 2016, 8, 511-520.	4.0	18
74	Surfactant Effects on Particle Generation in Antibody Formulations in Pre-filled Syringes. Journal of Pharmaceutical Sciences, 2015, 104, 4056-4064.	1.6	41
75	Receptor-Mediated Liposome Fusion Kinetics at Aqueous/Liquid Crystal Interfaces. ACS Applied Materials & Interfaces, 2015, 7, 20400-20409.	4.0	4
76	Structure-Specific Liquid Crystal Anchoring Induced by the Molecular Combing of Short Oligonucleotides. ACS Applied Materials & Interfaces, 2015, 7, 26874-26879.	4.0	6
77	Tracking Nanoparticle Diffusion in Porous Filtration Media. Industrial & Engineering Chemistry Research, 2015, 54, 4414-4419.	1.8	37
78	Temporally Anticorrelated Motion of Nanoparticles at a Liquid Interface. Journal of Physical Chemistry Letters, 2015, 6, 54-59.	2.1	29
79	Nanoscale Topography Influences Polymer Surface Diffusion. ACS Nano, 2015, 9, 1656-1664.	7.3	70
80	Hindered Nanoparticle Diffusion and Void Accessibility in a Three-Dimensional Porous Medium. ACS Nano, 2015, 9, 2148-2156.	7.3	80
81	Single-Molecule Resolution of Protein Dynamics on Polymeric Membrane Surfaces: The Roles of Spatial and Population Heterogeneity. ACS Applied Materials & Interfaces, 2015, 7, 3607-3617.	4.0	28
82	Electrostatic Interactions Influence Protein Adsorption (but Not Desorption) at the Silicaâ€“Aqueous Interface. Journal of Physical Chemistry Letters, 2015, 6, 2583-2587.	2.1	64
83	Tuning the Flight Length of Molecules Diffusing on a Hydrophobic Surface. Journal of Physical Chemistry Letters, 2015, 6, 2065-2069.	2.1	12
84	Unbiased Clustering of Molecular Dynamics for Spatially Resolved Analysis of Chemically Heterogeneous Surfaces. Langmuir, 2015, 31, 6099-6106.	1.6	3
85	Capturing Conformation-Dependent Moleculeâ€“Surface Interactions When Surface Chemistry Is Heterogeneous. ACS Nano, 2015, 9, 7237-7247.	7.3	9
86	Dynamic Molecular Behavior on Thermoresponsive Polymer Brushes. Macromolecules, 2015, 48, 4562-4571.	2.2	13
87	Molecular Trajectories Provide Signatures of Protein Clustering and Crowding at the Oil/Water Interface. Langmuir, 2015, 31, 5882-5890.	1.6	18
88	Surface Chemistry Influences Interfacial Fibrinogen Self-Association. Biomacromolecules, 2015, 16, 3201-3208.	2.6	14
89	Scaling of Polymer Dynamics at an Oilâ€“Water Interface in Regimes Dominated by Viscous Drag and Desorption-Mediated Flights. Journal of the American Chemical Society, 2015, 137, 12312-12320.	6.6	34
90	Anisotropic molecular hopping at the solidâ€“nematic interface. Soft Matter, 2015, 11, 7712-7716.	1.2	3

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91	Stability of self-assembled monolayer coated Pt/Al2O3 catalysts for liquid phase hydrogenation. Journal of Molecular Catalysis A, 2015, 396, 188-195.	4.8	22
92	Hydrogenation of Cinnamaldehyde over Pd/Al2O3 Catalysts Modified with Thiol Monolayers. Topics in Catalysis, 2014, 57, 1505-1511.	1.3	16
93	Protein Aggregation and Particle Formation in Prefilled Glass Syringes. Journal of Pharmaceutical Sciences, 2014, 103, 1601-1612.	1.6	142
94	Interfacial Proteinâ€“Protein Associations. Biomacromolecules, 2014, 15, 66-74.	2.6	19
95	Single-molecule diffusion in a periodic potential at a solidâ€“liquid interface. Soft Matter, 2014, 10, 753-759.	1.2	28
96	Effects of Thiol Modifiers on the Kinetics of Furfural Hydrogenation over Pd Catalysts. ACS Catalysis, 2014, 4, 3123-3131.	5.5	106
97	Single-Molecule Insights into Retention at a Reversed-Phase Chromatographic Interface. Analytical Chemistry, 2014, 86, 9451-9458.	3.2	42
98	Mechanisms of Surface-Mediated DNA Hybridization. ACS Nano, 2014, 8, 4488-4499.	7.3	53
99	Single-Molecule Tracking of Polymer Surface Diffusion. Journal of the American Chemical Society, 2014, 136, 1327-1332.	6.6	95
100	Controlling the Surface Environment of Heterogeneous Catalysts Using Self-Assembled Monolayers. Accounts of Chemical Research, 2014, 47, 1438-1445.	7.6	262
101	Control of Metal Catalyst Selectivity through Specific Noncovalent Molecular Interactions. Journal of the American Chemical Society, 2014, 136, 520-526.	6.6	246
102	A bottom-up approach to understanding protein layer formation at solidâ€“liquid interfaces. Advances in Colloid and Interface Science, 2014, 207, 240-252.	7.0	56
103	DNA Hybridizationâ€Mediated Liposome Fusion at the Aqueous Liquid Crystal Interface. Advanced Functional Materials, 2014, 24, 3206-3212.	7.8	32
104	Selective Hydrogenation of Polyunsaturated Fatty Acids Using Alkanethiol Self-Assembled Monolayer-Coated Pd/Al₂O₃ Catalysts. ACS Catalysis, 2013, 3, 2041-2044.	5.5	58
105	Single-molecule resolution of protein structure and interfacial dynamics on biomaterial surfaces. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 19396-19401.	3.3	39
106	Colloidal Transfer Printing. ACS Applied Materials & Interfaces, 2013, 5, 12854-12859.	4.0	3
107	Identifying Multiple Populations from Singleâ€Molecule Lifetime Distributions. ChemPhysChem, 2013, 14, 374-380.	1.0	13
108	The Effects of Excipients on Protein Aggregation During Agitation: An Interfacial Shear Rheology Study. Journal of Pharmaceutical Sciences, 2013, 102, 2460-2470.	1.6	74

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109	Liquid Crystal Reorientation Induced by Aptamer Conformational Changes. Journal of the American Chemical Society, 2013, 135, 5183-5189.	6.6	70
110	Controlling surface crowding on a Pd catalyst with thiolate self-assembled monolayers. Journal of Catalysis, 2013, 303, 92-99.	3.1	58
111	Intermittent Molecular Hopping at the Solid-Liquid Interface. Physical Review Letters, 2013, 110, 256101.	2.9	144
112	Directing reaction pathways by catalyst active-site selection using self-assembled monolayers. Nature Communications, 2013, 4, 2448.	5.8	180
113	Specific Ion (Hofmeister) Effects on Adsorption, Desorption, and Diffusion at the Solidâ€"Aqueous Interface. Journal of Physical Chemistry Letters, 2013, 4, 4064-4068.	2.1	25
114	DNA Hairpin Stabilization on a Hydrophobic Surface. Small, 2013, 9, 933-941.	5.2	34
115	Distinguishing Positional Uncertainty from True Mobility in Single-Molecule Trajectories That Exhibit Multiple Diffusive Modes. Microscopy and Microanalysis, 2012, 18, 793-797.	0.2	11
116	Liquid- and vapor-phase hydrogenation of 1-epoxy-3-butene using self-assembled monolayer coated palladium and platinum catalysts. Applied Catalysis A: General, 2012, 445-446, 102-106.	2.2	19
117	Stokesâ€"Einstein and desorption-mediated diffusion of protein molecules at the oilâ€"water interface. Soft Matter, 2012, 8, 6000.	1.2	17
118	High throughput single molecule tracking for analysis of rare populations and events. Analyst, The, 2012, 137, 2987.	1.7	49
119	Fibrillar Self-Organization of a Line-Active Partially Fluorinated Thiol within Binary Self-Assembled Monolayers. Langmuir, 2012, 28, 16834-16844.	1.6	9
120	Production of particles of therapeutic proteins at the airâ€"water interface during compression/dilation cycles. Soft Matter, 2012, 8, 10329.	1.2	93
121	Using the dynamics of fluorescent cations to probe and map charged surfaces. Soft Matter, 2012, 8, 12017.	1.2	6
122	Identifying Mechanisms of Interfacial Dynamics Using Single-Molecule Tracking. Langmuir, 2012, 28, 12443-12456.	1.6	48
123	Single Molecule Dynamics on Hydrophobic Self-Assembled Monolayers. Langmuir, 2012, 28, 12108-12113.	1.6	13
124	Effects of Molecular Size and Surface Hydrophobicity on Oligonucleotide Interfacial Dynamics. Biomacromolecules, 2012, 13, 4002-4011.	2.6	39
125	Excipient Effects on Humanized Monoclonal Antibody Interactions with Silicone oil Emulsions. Journal of Pharmaceutical Sciences, 2012, 101, 4419-4432.	1.6	50
126	Line Tension and Line Activity in Mixed Monolayers Composed of Aliphatic and Terphenyl-Containing Surfactants. Langmuir, 2012, 28, 16294-16299.	1.6	6

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127	Apparent Activation Energies Associated with Protein Dynamics on Hydrophobic and Hydrophilic Surfaces. Biophysical Journal, 2012, 102, 2625-2633.	0.2	40
128	Surfactantâ€"DNA interactions at the liquid crystalâ€"aqueous interface. Soft Matter, 2012, 8, 4335.	1.2	65
129	Singleâ€Molecule Tracking of Fibrinogen Dynamics on Nanostructured Poly(ethylene) Films. Advanced Functional Materials, 2012, 22, 2617-2623.	7.8	25
130	Line tension between coexisting phases in monolayers and bilayers of amphiphilic molecules. Surface Science Reports, 2012, 67, 143-159.	3.8	26
131	Dynamics of protein aggregation at the oilâ€"water interface characterized by single molecule TIRF microscopy. Soft Matter, 2011, 7, 7616.	1.2	36
132	Mixed Alkylsilane Functionalized Surfaces for Simultaneous Wetting and Homeotropic Anchoring of Liquid Crystals. ACS Applied Materials & Interfaces, 2011, 3, 4374-4380.	4.0	48
133	Adsorption of Oxygenates on Alkanethiol-Functionalized Pd(111) Surfaces: Mechanistic Insights into the Role of Self-Assembled Monolayers on Catalysis. Langmuir, 2011, 27, 6731-6737.	1.6	28
134	Connecting Rare DNA Conformations and Surface Dynamics Using Single-Molecule Resonance Energy Transfer. ACS Nano, 2011, 5, 9861-9869.	7.3	23
135	Single-Molecule Resolution of Interfacial Fibrinogen Behavior: Effects of Oligomer Populations and Surface Chemistry. Journal of the American Chemical Society, 2011, 133, 4975-4983.	6.6	65
136	Macroscopic Liquid Crystal Response to Isolated DNA Helices. Langmuir, 2011, 27, 11767-11772.	1.6	26
137	Super-resolution surface mapping using the trajectories of molecular probes. Nature Communications, 2011, 2, 515.	5.8	30
138	Single Molecule Observations of Desorption-Mediated Diffusion at the Solid-Liquid Interface. Physical Review Letters, 2011, 107, 156102.	2.9	63
139	Controlled selectivity for palladium catalysts using self-assembled monolayers. Nature Materials, 2010, 9, 853-858.	13.3	358
140	Directed Nanoparticle Motion on an Interfacial Free Energy Gradient. Langmuir, 2010, 26, 1501-1503.	1.6	24
141	Self-Assembly of Linactants: Micelles and Lyotropic Liquid Crystals in Two Dimensions. Journal of Physical Chemistry B, 2010, 114, 8616-8620.	1.2	12
142	Single Molecule Observations of Multiple Protein Populations at the Oilâˆ'Water Interface. Langmuir, 2010, 26, 13364-13367.	1.6	35
143	Phospholipid Diffusion at the Oilâˆ'Water Interface. Journal of Physical Chemistry B, 2010, 114, 11484-11488.	1.2	30
144	Semi-fluorinated phosphonic acids form stable nanoscale clusters in Langmuirâ€"Blodgett and self-assembled monolayers. Soft Matter, 2009, 5, 750.	1.2	16

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145	Selective acetylene detection through surface modification of metalâ€“insulatorâ€“semiconductor sensors with alkanethiolate monolayers. Sensors and Actuators B: Chemical, 2009, 136, 315-319.	4.0	15
146	Probing Hydrophobic Interactions Using Trajectories of Amphiphilic Molecules at a Hydrophobic/Water Interface. Journal of the American Chemical Society, 2009, 131, 5973-5979.	6.6	42
147	Hydrophobic Interaction Microscopy: Mapping the Solid/ Liquid Interface Using Amphiphilic Probe Molecules. Langmuir, 2009, 25, 4339-4342.	1.6	15
148	Solvent Dependence of the Activation Energy of Attachment Determined by Single Molecule Observations of Surfactant Adsorption. Langmuir, 2009, 25, 7389-7392.	1.6	17
149	Single Molecule Observations of Fatty Acid Adsorption at the Silica/Water Interface: Activation Energy of Attachment. Journal of Physical Chemistry C, 2009, 113, 2078-2081.	1.5	29
150	Correlating Linactant Efficiency and Self-Assembly: Structural Basis of Line Activity in Molecular Monolayers. Langmuir, 2009, 25, 8056-8061.	1.6	22
151	Liquid crystal anchoring transformations induced by phase transitions of a photoisomerizable surfactant at the nematic/aqueous interface. Soft Matter, 2009, 5, 2252.	1.2	15
152	Polar and Azimuthal Alignment of a Nematic Liquid Crystal by Alkylsilane Self-Assembled Monolayers: Effects of Chain-Length and Mechanical Rubbing. Langmuir, 2008, 24, 9790-9794.	1.6	38
153	DNA Hybridization-Induced Reorientation of Liquid Crystal Anchoring at the Nematic Liquid Crystal/Aqueous Interface. Journal of the American Chemical Society, 2008, 130, 8188-8194.	6.6	272
154	Single-Molecule Observations of Surfactant Diffusion at the Solutionâˆ'Solid Interface. Langmuir, 2008, 24, 6562-6566.	1.6	61
155	Self-Assembled Monolayers Derived from a Double-Chained Monothiol Having Chemically Dissimilar Chains. Langmuir, 2008, 24, 10204-10208.	1.6	17
156	Linactants: Surfactant Analogues in Two Dimensions. Physical Review Letters, 2008, 100, 037802.	2.9	68
157	Self-Organization of a Wedge-Shaped Surfactant in Monolayers and Multilayers. Langmuir, 2007, 23, 482-487.	1.6	8
158	Swelling of a cluster phase in Langmuir monolayers containing semi-fluorinated phosphonic acids. Soft Matter, 2007, 3, 1518.	1.2	8
159	Fatty-Acid Monolayers at the Nematic/Water Interface:Â Phases and Liquid-Crystal Alignment. Journal of Physical Chemistry B, 2007, 111, 1007-1015.	1.2	70
160	Contact Angles of Submillimeter Particles:Â Connecting Wettability to Nanoscale Surface Topography. Langmuir, 2007, 23, 5255-5258.	1.6	9
161	Langmuir Monolayers of a Photoisomerizable Macrocycle Surfactant. Langmuir, 2007, 23, 7923-7927.	1.6	10
162	Anchoring of a Nematic Liquid Crystal on a Wettability Gradient. Langmuir, 2006, 22, 9753-9759.	1.6	58

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163	Periodic Arrays of Interfacial Cylindrical Reverse Micelles. Langmuir, 2005, 21, 9799-9802.	1.6	5
164	Calcium-Induced Changes to the Molecular Conformation and Aggregate Structure of Î²-Casein at the Airâ˘'Water Interface. Biomacromolecules, 2005, 6, 3334-3344.	2.6	43
165	Self-assembled monolayers for liquid crystal alignment: simple preparation on glass using alkyltrialkoxysilanes. Liquid Crystals, 2004, 31, 481-489.	0.9	56
166	Structure of Î²-Casein Layers at the Air/Solution Interface:Â Atomic Force Microscopy Studies of Transferred Layers. Langmuir, 2004, 20, 11692-11697.	1.6	21
167	Supercritical Self-Assembled Monolayer Growth. Journal of the American Chemical Society, 2004, 126, 9369-9373.	6.6	8
168	Kinetics of Octadecyltrimethylammonium Bromide Self-Assembled Monolayer Growth at Mica from an Aqueous Solution. Langmuir, 2004, 20, 2341-2348.	1.6	24
169	Surface Shear Rheology of Î²-Casein Layers at the Air/Solution Interface:Â Formation of a Two-Dimensional Physical Gel. Langmuir, 2003, 19, 2673-2682.	1.6	100
170	Octadecanoic Acid Self-Assembled Monolayer Growth at Sapphire Surfaces. Langmuir, 2003, 19, 2665-2672.	1.6	48
171	Structure and Phase Behavior of Mixed Monolayers of Saturated and Unsaturated Fatty Acids. Langmuir, 2002, 18, 9810-9815.	1.6	22
172	Magnetic Needle Viscometer for Langmuir Monolayers. Langmuir, 2002, 18, 2800-2806.	1.6	59
173	Spatial Compartmentalization of Nanoparticles into Strands of a Self-Assembled Organogel. Nano Letters, 2002, 2, 1037-1042.	4.5	50
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