Robert D Tilton

List of Publications by Year
in descending order

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146	11,056	41344	30922
papers	citations	49 h-index	102 g-index

146	146	146	10432
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Aggregation and Sedimentation of Aqueous Nanoscale Zerovalent Iron Dispersions. Environmental Science & Technology, 2007, 41, 284-290.	10.0	917
2	Titanium Dioxide (P25) Produces Reactive Oxygen Species in Immortalized Brain Microglia (BV2):â€‰Implications for Nanoparticle Neurotoxicity. Environmental Science & Technology, 2006, 40, 4346-4352.	10.0	800
3	TCE Dechlorination Rates, Pathways, and Efficiency of Nanoscale Iron Particles with Different Properties. Environmental Science & Technology, 2005, 39, 1338-1345.	10.0	708
4	Ionic Strength and Composition Affect the Mobility of Surface-Modified Fe⁰ Nanoparticles in Water-Saturated Sand Columns. Environmental Science & Technology, 2008, 42, 3349-3355.	10.0	478
5	Stabilization of aqueous nanoscale zerovalent iron dispersions by anionic polyelectrolytes: adsorbed anionic polyelectrolyte layer properties and their effect on aggregation and sedimentation. Journal of Nanoparticle Research, 2008, 10, 795-814.	1.9	467
6	Surface Modifications Enhance Nanoiron Transport and NAPL Targeting in Saturated Porous Media. Environmental Engineering Science, 2007, 24, 45-57.	1.6	403
7	Adsorbed Triblock Copolymers Deliver Reactive Iron Nanoparticles to the Oil/Water Interface. Nano Letters, 2005, 5, 2489-2494.	9.1	302
8	Particle Size Distribution, Concentration, and Magnetic Attraction Affect Transport of Polymer-Modified Fe⁰ Nanoparticles in Sand Columns. Environmental Science & Technology, 2009, 43, 5079-5085.	10.0	292
9	Counterion Effects on Hexadecyltrimethylammonium Surfactant Adsorption and Self-Assembly on Silica. Langmuir, 2000, 16, 2548-2556.	3.5	216
10	Adsorbed Polyelectrolyte Coatings Decrease Fe⁰ Nanoparticle Reactivity with TCE in Water: Conceptual Model and Mechanisms. Environmental Science & Technology, 2009, 43, 1507-1514.	10.0	211
11	Pickering Emulsions Stabilized by Nanoparticles with Thermally Responsive Grafted Polymer Brushes. Langmuir, 2010, 26, 15200-15209.	3.5	204
12	Impact of Nanoscale Zero Valent Iron on Geochemistry and Microbial Populations in Trichloroethylene Contaminated Aquifer Materials. Environmental Science & Technology, 2010, 44, 3474-3480.	10.0	187
13	Effect of kaolinite, silica fines and pH on transport of polymer-modified zero valent iron nano-particles in heterogeneous porous media. Journal of Colloid and Interface Science, 2012, 370, 1-10.	9.4	181
14	Oil-in-Water Emulsions Stabilized by Highly Charged Polyelectrolyte-Grafted Silica Nanoparticles. Langmuir, 2005, 21, 9873-9878.	3.5	176
15	Effects of Molecular Weight Distribution and Chemical Properties of Natural Organic Matter on Gold Nanoparticle Aggregation. Environmental Science & Technology, 2013, 47, 4245-4254.	10.0	165
16	Fe⁰ Nanoparticles Remain Mobile in Porous Media after Aging Due to Slow Desorption of Polymeric Surface Modifiers. Environmental Science & Technology, 2009, 43, 3824-3830.	10.0	148
17	Lateral diffusion of bovine serum albumin adsorbed at the solid-liquid interface. Journal of Colloid and Interface Science, 1990, 137, 192-203.	9.4	147
18	Estimating Attachment of Nano- and Submicrometer-particles Coated with Organic Macromolecules in Porous Media: Development of an Empirical Model. Environmental Science & Technology, 2010, 44, 4531-4538.	10.0	146

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19	High Capacity, Charge-Selective Protein Uptake by Polyelectrolyte Brushes. Langmuir, 2007, 23, 4448-4454.	3.5	135
20	Hydrophobic Interactions Increase Attachment of Gum Arabic- and PVP-Coated Ag Nanoparticles to Hydrophobic Surfaces. Environmental Science & Technology, 2011, 45, 5988-5995.	10.0	134
21	Natural Organic Matter Alters Biofilm Tolerance to Silver Nanoparticles and Dissolved Silver. Environmental Science & Technology, 2012, 46, 12687-12696.	10.0	133
22	Critical review: impacts of macromolecular coatings on critical physicochemical processes controlling environmental fate of nanomaterials. Environmental Science: Nano, 2016, 3, 283-310.	4.3	130
23	Magnetophoresis of Nanoparticles. ACS Nano, 2011, 5, 217-226.	14.6	125
24	Effect of Adsorbed Polyelectrolytes on Nanoscale Zero Valent Iron Particle Attachment to Soil Surface Models. Environmental Science & Technology, 2009, 43, 3803-3808.	10.0	123
25	Spontaneous Reconfiguration of Adsorbed Lysozyme Layers Observed by Total Internal Reflection Fluorescence with a pH-Sensitive Fluorophore. Langmuir, 1996, 12, 6104-6113.	3.5	120
26	Stabilization of Superparamagnetic Iron Oxide Coreâ^'Gold Shell Nanoparticles in High Ionic Strength Media. Langmuir, 2009, 25, 13384-13393.	3.5	120
27	Kinetics and Mechanism of Cationic Surfactant Adsorption and Coadsorption with Cationic Polyelectrolytes at the Silicaâ^'Water Interface. Langmuir, 1998, 14, 2333-2342.	3.5	117
28	Coverage-Dependent Orientation of Lysozyme Adsorbed on Silica. Langmuir, 2003, 19, 3848-3857.	3.5	115
29	Manipulation of hydrophobic interactions in protein adsorption. Langmuir, 1991, 7, 2710-2718.	3.5	109
30	Temperature- and pH-Responsive Star Polymers as Nanocarriers with Potential for in Vivo Agrochemical Delivery. ACS Nano, 2020, 14, 10954-10965.	14.6	108
31	Correlation of the Physicochemical Properties of Natural Organic Matter Samples from Different Sources to Their Effects on Gold Nanoparticle Aggregation in Monovalent Electrolyte. Environmental Science & Technology, 2015, 49, 2188-2198.	10.0	103
32	Interfacial Dynamics and Rheology of Polymer-Grafted Nanoparticles at Airâ€“Water and Xyleneâ€“Water Interfaces. Langmuir, 2012, 28, 8052-8063.	3.5	101
33	Synthesis and Singleâ€Particle Optical Detection of Lowâ€Polydispersity Plasmonicâ€Superparamagnetic Nanoparticles. Advanced Materials, 2008, 20, 1721-1726.	21.0	98
34	Coadsorption of Polylysine and the Cationic Surfactant Cetyltrimethylammonium Bromide on Silica. Industrial & Engineering Chemistry Research, 1996, 35, 1566-1574.	3.7	90
35	Polymer-Modified Fe⁰ Nanoparticles Target Entrapped NAPL in Two Dimensional Porous Media: Effect of Particle Concentration, NAPL Saturation, and Injection Strategy. Environmental Science & Technology, 2011, 45, 6102-6109.	10.0	86
36	Critical factors for high-performance physically adsorbed (dynamic) polymeric wall coatings for capillary electrophoresis of DNA. Electrophoresis, 2002, 23, 2766-2776.	2.4	85

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37	Microbial Bioavailability of Covalently Bound Polymer Coatings on Model Engineered Nanomaterials. Environmental Science & Technology, 2011, 45, 5253-5259.	10.0	84
38	Interaction between Adsorbed Layers of Lysozyme Studied with the Surface Force Technique. Langmuir, 1994, 10, 2325-2334.	3.5	82
39	PEO-Based Star Copolymers as Stabilizers for Water-in-Oil or Oil-in-Water Emulsions. Macromolecules, 2012, 45, 9419-9426.	4.8	81
40	The Conformation of the Poly(ethylene glycol) Chain in Mono-PEGylated Lysozyme and Mono-PEGylated Human Growth Hormone. Bioconjugate Chemistry, 2011, 22, 2317-2323.	3.6	80
41	Heterografted Molecular Brushes as Stabilizers for Water-in-Oil Emulsions. Macromolecules, 2017, 50, 2942-2950.	4.8	71
42	Coadsorption of Sodium Dodecyl Sulfate with Hydrophobically Modified Nonionic Cellulose Polymers. 1. Role of Polymer Hydrophobic Modification. Langmuir, 2003, 19, 2705-2713.	3.5	69
43	Comparative Study of Polymeric Stabilizers for Magnetite Nanoparticles Using ATRP. Langmuir, 2010, 26, 16890-16900.	3.5	68
44	Electrostatically Tunable Coadsorption of Sodium Dodecyl Sulfate and Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (oxid 883-890.	3.5	62
45	A Comparison of Polystyreneâ^'Poly(ethylene oxide) Diblock Copolymer and Poly(ethylene oxide) Homopolymer Adsorption from Aqueous Solutions. Langmuir, 1997, 13, 2993-3001.	3.5	58
46	Lateral separation of colloids or cells by dielectrophoresis augmented by AC electroosmosis. Journal of Colloid and Interface Science, 2005, 285, 179-191.	9.4	58
47	Short-Range Interaction between Adsorbed Layers of Human Serum Albumin. Journal of Colloid and Interface Science, 1994, 166, 427-436.	9.4	54
48	Adsorption of Poly(ethylene glycol)-Modified Lysozyme to Silica. Langmuir, 2005, 21, 1328-1337.	3.5	54
49	Pyrene Micropartitioning and Solubilization by Sodium Dodecyl Sulfate Complexes with Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Ov	2.6	50
50	Calculation of the electric polarizability of a charged spherical dielectric particle by the theory of colloidal electrokinetics. Journal of Colloid and Interface Science, 2005, 285, 845-856.	9.4	50
51	Depletion Attraction Caused by Unadsorbed Polyelectrolytes. Langmuir, 1998, 14, 5106-5112.	3.5	48
52	Effect of Electrolytes on the Pyrene Solubilization Capacity of Dodecyl Sulfate Micelles. Langmuir, 2000, 16, 10037-10043.	3.5	48
53	Adsorption of serum albumin to thin films of poly(lactide-co-glycolide). Journal of Controlled Release, 1999, 58, 335-347.	9.9	46
54	Effect of anionic surfactant on interactions between lysozyme layers adsorbed on mica. Langmuir, 1993, 9, 2102-2108.	3.5	45

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55	Poly(ethylene glycol)-Modified Proteins: Implications for Poly(lactide-co-glycolide)-Based Microsphere Delivery. AAPS Journal, 2009, 11, 88-98.	4.4	45
56	Parameter Identifiability in Application of Soft Particle Electrokinetic Theory To Determine Polymer and Polyelectrolyte Coating Thicknesses on Colloids. Langmuir, 2012, 28, 10334-10347.	3.5	45
57	Surfactant Self-Assembly ahead of the Contact Line on a Hydrophobic Surface and Its Implications for Wetting. Langmuir, 2003, 19, 5366-5373.	3.5	44
58	Surface Tension Gradient Driven Spreading on Aqueous Mucin Solutions: A Possible Route to Enhanced Pulmonary Drug Delivery. Molecular Pharmaceutics, 2011, 8, 387-394.	4.6	44
59	Design and synthesis of plasmonic magnetic nanoparticles. Journal of Magnetism and Magnetic Materials, 2007, 311, 78-83.	2.3	43
60	Polymer Dynamics in Layer-by-Layer Assemblies of Chitosan and Heparin. Langmuir, 2010, 26, 3242-3251.	3.5	42
61	Aggregation of lysozyme and of poly(ethylene glycol)-modified lysozyme after adsorption to silica. Colloids and Surfaces B: Biointerfaces, 2007, 57, 81-88.	5.0	40
62	Self-assembly and two-dimensional patterning of cell arrays by electrophoretic deposition. Biotechnology and Bioengineering, 2002, 77, 290-295.	3.3	37
63	Synergistic Effects of Polymers and Surfactants on Depletion Forces. Langmuir, 2007, 23, 4351-4357.	3.5	36
64	Star Polymer Size, Charge Content, and Hydrophobicity Affect their Leaf Uptake and Translocation in Plants. Environmental Science & Technology, 2021, 55, 10758-10768.	10.0	36
65	Electroosmotically enhanced mass transfer through polyacrylamide gels. Journal of Colloid and Interface Science, 2006, 300, 429-436.	9.4	35
66	Comparative coagulation performance study of Moringa oleifera cationic protein fractions with varying water hardness. Journal of Environmental Chemical Engineering, 2016, 4, 4690-4698.	6.7	35
67	A Connection between Interfacial Self-Assembly and the Inhibition of Hexadecyltrimethylammonium Bromide Adsorption on Silica by Poly-l-lysine. Langmuir, 2001, 17, 219-227.	3.5	34
68	Adsorption of poly(ethylene glycol)-modified ribonuclease A to a poly(lactide-co-glycolide) surface. Biotechnology and Bioengineering, 2005, 90, 856-868.	3.3	34
69	Control of Persistent Nonequilibrium Adsorbed Polymer Layer Structure by Transient Exposure to Surfactants. Langmuir, 2003, 19, 2736-2744.	3.5	33
70	Optical imaging and magnetophoresis of nanorods. Journal of Magnetism and Magnetic Materials, 2009, 321, 1557-1562.	2.3	33
71	Surfactant-induced Marangoni transport of lipids and therapeutics within the lung. Current Opinion in Colloid and Interface Science, 2018, 36, 58-69.	7.4	33
72	Coadsorption of Sodium Dodecyl Sulfate with Hydrophobically Modified Nonionic Cellulose Polymers. 2. Role of Surface Selectivity in Adsorption Hysteresis. Langmuir, 2003, 19, 2714-2721.	3.5	32

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73	Nanomechanical mapping of a high curvature polymer brush grafted from a rigid nanoparticle. Soft Matter, 2012, 8, 8312.	2.7	32
74	Stable emulsions with thermally responsive microstructure and rheology using poly(ethylene oxide) star polymers as emulsifiers. Journal of Colloid and Interface Science, 2013, 394, 284-292.	9.4	31
75	Protein PEGylation Attenuates Adsorption and Aggregation on a Negatively Charged and Moderately Hydrophobic Polymer Surface. Langmuir, 2010, 26, 18231-18238.	3.5	30
76	Effect of emplaced nZVI mass and groundwater velocity on PCE dechlorination and hydrogen evolution in water-saturated sand. Journal of Hazardous Materials, 2017, 322, 136-144.	12.4	30
77	Inhibition of bacterial surface colonization by immobilized silver nanoparticles depends critically on the planktonic bacterial concentration. Journal of Colloid and Interface Science, 2016, 467, 17-27.	9.4	28
78	Adsorbed poly(aspartate) coating limits the adverse effects of dissolved groundwater solutes on Fe0 nanoparticle reactivity with trichloroethylene. Environmental Science and Pollution Research, 2018, 25, 7157-7169.	5.3	28
79	Adsorption of protein/surfactant complexes at the air/aqueous interface. Colloids and Surfaces B: Biointerfaces, 2001, 20, 281-293.	5.0	27
80	Coadsorption and Surface Forces for Selective Surfaces in Contact with Aqueous Mixtures of Oppositely Charged Surfactants and Low Charge Density Polyelectrolytes. Langmuir, 2004, 20, 3221-3230.	3.5	27
81	Star Polymers with Designed Reactive Oxygen Species Scavenging and Agent Delivery Functionality Promote Plant Stress Tolerance. ACS Nano, 2022, 16, 4467-4478.	14.6	26
82	A Scanning Angle Reflectometry Investigation of Block Copolymer Adsorption to Insoluble Lipid Monolayers at the Airâ^'Water Interface. The Journal of Physical Chemistry, 1996, 100, 3179-3189.	2.9	24
83	Effect of Flow on Human Serum Albumin Adsorption to Self-Assembled Monolayers of Varying Packing Density. Langmuir, 2003, 19, 5464-5474.	3.5	24
84	Quasi-Immiscible Spreading of Aqueous Surfactant Solutions on Entangled Aqueous Polymer Solution Subphases. ACS Applied Materials & Interfaces, 2013, 5, 5542-5549.	8.0	23
85	Dispersion in steady and time-oscillatory two-dimensional flows through a parallel-plate channel. Physics of Fluids, 2019, 31, 022007.	4.0	23
86	Specific Counterion Effects on the Competitive Co-adsorption of Polyelectrolytes and Ionic Surfactants. Journal of Colloid and Interface Science, 2002, 249, 282-289.	9.4	22
87	Postdeposition Dispersion of Aerosol Medications Using Surfactant Carriers. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2008, 21, 361-370.	1.4	22
88	Phosphate Polymer Nanogel for Selective and Efficient Rare Earth Element Recovery. Environmental Science & Technology, 2021, 55, 12549-12560.	10.0	22
89	Direct force measurement of the stability of poly(ethylene glycol)â€“polyethylenimine graft films. Journal of Colloid and Interface Science, 2004, 276, 306-316.	9.4	21
90	Poly(Ethylene Oxide) Star Polymer Adsorption at the Silica/Aqueous Interface and Displacement by Linear Poly(Ethylene Oxide). Langmuir, 2013, 29, 3999-4007.	3.5	21

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91	Electrostatically Controlled Swelling and Adsorption of Polyelectrolyte Brush-Grafted Nanoparticles to the Solid/Liquid Interface. Langmuir, 2014, 30, 4056-4065.	3.5	20
92	Pyrene solubilization capacity in octaethylene glycol monododecyl ether (C12E8) micelles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1999, 150, 55-68.	4.7	19
93	Enabling Marangoni flow at air-liquid interfaces through deposition of aerosolized lipid dispersions. Journal of Colloid and Interface Science, 2016, 484, 270-278.	9.4	19
94	Interfacial Structure and Rearrangement of Nonionic Surfactants near a Moving Contact Line. Langmuir, 2001, 17, 5917-5923.	3.5	18
95	Calculation of the dynamic impedance of the double layer on a planar electrode by the theory of electrokinetics. Journal of Colloid and Interface Science, 2005, 292, 277-289.	9.4	18
96	Autophobing on Liquid Subphases Driven by the Interfacial Transport of Amphiphilic Molecules. Langmuir, 2012, 28, 15212-15221.	3.5	18
97	Interfacial dilatational rheology as a bridge to connect amphiphilic heterografted bottlebrush copolymer architecture to emulsifying efficiency. Journal of Colloid and Interface Science, 2021, 581, 135-147.	9.4	18
98	Experimental Observations on the Scaling of Adsorption Isotherms for Nonionic Surfactants at a Hydrophobic Solidâ^'Water Interface. Langmuir, 2004, 20, 4446-4451.	3.5	17
99	Enhanced mixing in polyacrylamide gels containing embedded silica nanoparticles as internal electroosmotic pumps. Colloids and Surfaces B: Biointerfaces, 2008, 61, 262-269.	5.0	16
100	Surfactant Driven Post-Deposition Spreading of Aerosols on Complex Aqueous Subphases. 1: High Deposition Flux Representative of Aerosol Delivery to Large Airways. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2015, 28, 382-393.	1.4	16
101	Control of the colloidal depletion force in nonionic polymer solutions by complexation with anionic surfactants. Journal of Colloid and Interface Science, 2019, 553, 436-450.	9.4	16
102	Advective-diffusive spreading of diffusiophoretic colloids under transient solute gradients. Soft Matter, 2020, 16, 238-246.	2.7	16
103	Amphiphilic Thiol Polymer Nanogel Removes Environmentally Relevant Mercury Species from Both Produced Water and Hydrocarbons. Environmental Science & Technology, 2021, 55, 1231-1241.	10.0	16
104	Surface Diffusion of Adsorbed Proteins in the Vicinity of the Substrate Glass Transition Temperature. Journal of Colloid and Interface Science, 1993, 159, 243-245.	9.4	15
105	Effect of polyelectrolyteâ€“surfactant complexation on Marangoni transport at a liquidâ€“liquid interface. Journal of Colloid and Interface Science, 2016, 467, 105-114.	9.4	15
106	Enhanced interfacial activity of multi-arm poly(ethylene oxide) star polymers relative to linear poly(ethylene oxide) at fluid interfaces. Physical Chemistry Chemical Physics, 2017, 19, 23854-23868.	2.8	15
107	Friction and adhesion control between adsorbed layers of polyelectrolyte brush-grafted nanoparticles via pH-triggered bridging interactions. Journal of Colloid and Interface Science, 2018, 526, 114-123.	9.4	15
108	Penetration of Insoluble Lipid Monolayers at the Airâ^'Water Interface by Water-Soluble Block Copolymers and Homopolymers. Langmuir, 1997, 13, 5524-5527.	3.5	14

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109	Imaging the Postdeposition Dispersion of an Inhaled Surfactant Aerosol. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2012, 25, 290-296.	1.4	14
110	Silver Sink Effect of Humic Acid on Bacterial Surface Colonization in the Presence of Silver Ions and Nanoparticles. Environmental Science & Technology, 2017, 51, 1754-1763.	10.0	14
111	Transport of a partially wetted particle at the liquid/vapor interface under the influence of an externally imposed surfactant generated Marangoni stress. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 521, 49-60.	4.7	14
112	Flow regime transitions and effects on solute transport in surfactant-driven Marangoni flows. Journal of Colloid and Interface Science, 2019, 553, 136-147.	9.4	14
113	Macrotransport theory for diffusiophoretic colloids and chemotactic microorganisms. Journal of Fluid Mechanics, 2021, 917, .	3.4	14
114	Unified Model To Predict Self-Assembly of Nonionic Surfactants in Solution and Adsorption on Solid or Fluid Hydrophobic Surfaces:Â Effect of Molecular Structure. Langmuir, 2004, 20, 4452-4464.	3.5	13
115	The role of electrode impedance and electrode geometry in the design of microelectrode systems. Journal of Colloid and Interface Science, 2006, 297, 819-831.	9.4	13
116	Ionic Surfactant Binding to pH-Responsive Polyelectrolyte Brush-Grafted Nanoparticles in Suspension and on Charged Surfaces. Langmuir, 2015, 31, 13680-13689.	3.5	13
117	Moringa oleifera Seed Protein Adsorption to Silica: Effects of Water Hardness, Fractionation, and Fatty Acid Extraction. Langmuir, 2018, 34, 4852-4860.	3.5	12
118	pH-Dependent Interfacial Tension and Dilatational Modulus Synergism of Oil-Soluble Fatty Acid and Water-Soluble Cationic Surfactants at the Oil/Water Interface. Langmuir, 2021, 37, 11573-11581.	3.5	12
119	Liposome rupture and contents release over coplanar microelectrode arrays. Journal of Colloid and Interface Science, 2009, 332, 113-121.	9.4	11
120	Kinetic and Equilibrium Aspects of Adsorption and Desorption of Class II Hydrophobins HFBI and HFBII at Silicon Oxynitride/Water and Air/Water Interfaces. Langmuir, 2013, 29, 2683-2691.	3.5	11
121	Emulsification synergism in mixtures of polyelectrolyte brush-grafted nanoparticles and surfactants. Journal of Colloid and Interface Science, 2015, 449, 152-159.	9.4	11
122	Aerosolizing Lipid Dispersions Enables Antibiotic Transport Across Mimics of the Lung Airway Surface Even in the Presence of Pre-existing Lipid Monolayers. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2018, 31, 212-220.	1.4	11
123	Dispersion in steady and timeâ€oscillatory flows through an eccentric annulus. AICHE Journal, 2020, 66, e16831.	3.6	11
124	Surfactant Driven Marangoni Spreading in the Presence of Predeposited Insoluble Surfactant Monolayers. Langmuir, 2021, 37, 3309-3320.	3.5	11
125	Surfactant Driven Post-Deposition Spreading of Aerosols on Complex Aqueous Subphases. 2: Low Deposition Flux Representative of Aerosol Delivery to Small Airways. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2015, 28, 394-405.	1.4	10
126	Transient Marangoni transport of colloidal particles at the liquid/liquid interface caused by surfactant convective-diffusion under radial flow. Journal of Colloid and Interface Science, 2016, 462, 75-87.	9.4	10

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127	Colloidal Depletion and Structural Force Synergism or Antagonism in Solutions of Mutually Repelling Polyelectrolytes and Ionic Surfactants. Langmuir, 2019, 35, 15937-15947.	3.5	10
128	Swelling of multi-responsive spherical polyelectrolyte brushes across a wide range of grafting densities. Colloid and Polymer Science, 2020, 298, 35-49.	2.1	10
129	Measurement of Catalytic Reaction Kinetics for Adsorbed Enzyme Monolayers. Journal of Colloid and Interface Science, 1999, 213, 208-217.	9.4	9
130	Rheology of transient networks containing hydrophobically modified cellulose, anionic surfactant and colloidal silica: role of selective adsorption. Rheologica Acta, 2004, 43, 50-61.	2.4	9
131	Depletion Forces Induced by Mixed Micelles of Nonionic Block Copolymers and Anionic Surfactants. Langmuir, 2020, 36, 10772-10784.	3.5	9
132	Sequential Adsorption of Nanoparticulate Polymer Brushes as a Strategy To Control Adhesion and Friction. Langmuir, 2016, 32, 11440-11447.	3.5	8
133	Effect of humic acids on the kaolin coagulation performance of Moringa oleifera proteins. Journal of Environmental Chemical Engineering, 2018, 6, 4564-4572.	6.7	8
134	Tuning chemotactic and diffusiophoretic spreading via hydrodynamic flows. Soft Matter, 2022, 18, 1896-1910.	2.7	8
135	Surfactant spreading on a deep subphase: Coupling of Marangoni flow and capillary waves. Journal of Colloid and Interface Science, 2022, 614, 511-521.	9.4	7
136	Responsive behavior of a branched-chain polymer network: a molecular dynamics study. Soft Matter, 2018, 14, 6485-6495.	2.7	6
137	Microphase separation during binary electrophoretic deposition of particles with dissimilar polarizabilities. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 277, 119-130.	4.7	5
138	Coverage-dependent morphology of PEGylated lysozyme layers adsorbed on silica. Journal of Colloid and Interface Science, 2012, 370, 170-175.	9.4	5
139	Evolution and disappearance of solvent drops on miscible polymer subphases. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 546, 266-275.	4.7	4
140	Marangoni Spreading Time Evolution and Synergism in Binary Surfactant Mixtures. Journal of Colloid and Interface Science, 2022, , .	9.4	3
141	Plasmonic magnetic nanoparticles for biomedicine. , 2009, 2009, 4477-8.		2
142	Opportunities for complex fluids engineering <scp>w</scp>ith nanoparticulate polymer brushes. AICHE Journal, 2019, 65, 3-12.	3.6	2
143	Mobility of Biomolecules at Interfaces. Surfactant Science, 2003, , .	0.0	1
144	International man of science: A tribute to Professor Per Claesson. Advances in Colloid and Interface Science, 2010, 155, 3-4.	14.7	0

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145	Effect of a Surfactant Additive on Drug Transport and Distribution Uniformity After Aerosol Delivery to Ex Vivo Lungs. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2021, , .	1.4	0
146	Mixtures of Polymers and Surfactants. , 0, , 4718-4731.		0