Simon R Biggs

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6674025/publications.pdf

Version: 2024-02-01

216 papers	9,136 citations	36691 53 h-index	60403 85 g-index
219 all docs	219 docs citations	219 times ranked	9160 citing authors

#	Article	IF	Citations
1	Mechanism of cationic surfactant adsorption at the solidâ€“aqueous interface. Advances in Colloid and Interface Science, 2003, 103, 219-304.	7.0	557
2	Weight loss by mobile phone: a 1-year effectiveness study. Public Health Nutrition, 2009, 12, 2382-2391.	1.1	250
3	Drop Penetration into Porous Powder Beds. Journal of Colloid and Interface Science, 2002, 253, 353-366.	5.0	235
4	Steric and Bridging Forces between Surfaces Bearing Adsorbed Polymer: An Atomic Force Microscopy Study. Langmuir, 1995, 11, 156-162.	1.6	218
5	Counterion Effects on Hexadecyltrimethylammonium Surfactant Adsorption and Self-Assembly on Silica. Langmuir, 2000, 16, 2548-2556.	1.6	216
6	Study of Anion Adsorption at the Gold-Aqueous Solution Interface by Atomic Force Microscopy. Journal of the American Chemical Society, 1994, 116, 9150-9157.	6.6	211
7	Aggregate structures formed via a bridging flocculation mechanism. Chemical Engineering Journal, 2000, 80, 13-22.	6.6	197
8	Stimulus responsive core-shell nanoparticles: synthesis and applications of polymer based aqueous systems. Soft Matter, 2011, 7, 2211-2234.	1.2	179
9	Effect of surfactant on the solution properties of hydrophobically modified polyacrylamide. Langmuir, 1992, 8, 838-847.	1.6	176
10	Copolymerization of acrylamide and a hdydrophobic monomer in an aqueous micellar medium: effect of the surfactant on the copolymer microstructure. The Journal of Physical Chemistry, 1992, 96, 1505-1511.	2.9	154
11	Adsorption Kinetics and Structural Arrangements of Cationic Surfactants on Silica Surfaces. Langmuir, 2000, 16, 9374-9380.	1.6	154
12	Mistreatment of Older People in the United Kingdom: Findings from the First National Prevalence Study. Journal of Elder Abuse and Neglect, 2009, 21, 1-14.	0.5	148
13	Measurement of the forces between gold surfaces in water by atomic force microscopy. Journal of Chemical Physics, 1994, 100, 8501-8505.	1.2	145
14	Direct Measurement of the Depletion Force Using an Atomic Force Microscope. Journal of Colloid and Interface Science, 1995, 170, 604-606.	5.0	131
15	The influence of chain length and electrolyte on the adsorption kinetics of cationic surfactants at the silicaâ€“aqueous solution interface. Journal of Colloid and Interface Science, 2003, 266, 236-244.	5.0	129
16	Direct Observation of the Phase Transition for a Poly(N-isopropylacryamide) Layer Grafted onto a Solid Surface by AFM and QCM-D. Langmuir, 2007, 23, 11083-11088.	1.6	123
17	Electrosteric stabilisation of colloidal zirconia with low-molecular-weight polyacrylic acid. An atomic force microscopy study. Journal of the Chemical Society, Faraday Transactions, 1994, 90, 3415.	1.7	109
18	A Light Scattering Study of the Fractal Aggregation Behavior of a Model Colloidal System. Langmuir, 1997, 13, 6413-6420.	1.6	106

#	Article	IF	Citations
19	The Direct Measurement of the Forces of Interaction between a Colloid Particle and an Oil Droplet. Journal of Colloid and Interface Science, 1996, 183, 614-616.	5.0	104
20	Adsorption Kinetics and Structural Arrangements of Cetylpyridinium Bromide at the Silicaâ"Aqueous Interface. Langmuir, 2001, 17, 6155-6163.	1.6	100
21	A Foucauldian Analysis of Old Age and the Power of Social Welfare. Journal of Aging and Social Policy, 2001, 12, 93-112.	0.9	100
22	Preparation of Polystyrene Latex with Ultrasonic Initiation. Macromolecules, 1995, 28, 4877-4882.	2.2	96
23	Polyelectrolyte adsorption at the solid/liquid interface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1998, 139, 199-211.	2.3	95
24	Nano-Anemones: Stimulus-Responsive Copolymer-Micelle Surfaces. Advanced Materials, 2004, 16, 1794-1798.	11.1	90
25	Formation of gold sols using ultrasound. Journal of the Chemical Society Chemical Communications, 1993, , 378.	2.0	87
26	Force Calibration in Lateral Force Microscopy. Journal of Colloid and Interface Science, 2000, 227, 55-65.	5.0	87
27	Adsorption of 12-s-12 Gemini Surfactants at the Silicaâ"Aqueous Solution Interface. Journal of Physical Chemistry B, 2003, 107, 2978-2985.	1.2	87
28	Copolymers of in aqueous solution: the effects of hydrolysis on hydrophobic interactions. Polymer, 1993, 34, 580-591.	1.8	83
29	Atomic force microscopy investigation of the adhesion between a single polymer sphere and a flat surface. Journal of Adhesion Science and Technology, 1998, 12, 461-478.	1.4	83
30	Effect of Grafting Density on Phase Transition Behavior for Poly(N-isopropylacryamide) Brushes in Aqueous Solutions Studied by AFM and QCM-D. Macromolecules, 2010, 43, 7269-7276.	2.2	83
31	Forces between Silica Surfaces in Aqueous Solutions of a Weak Polyelectrolyte. Langmuir, 1997, 13, 7202-7210.	1.6	76
32	Effects of citrate adsorption on the interactions between zirconia surfaces. Journal of the Chemical Society, Faraday Transactions, 1995, 91, 2921.	1.7	74
33	Self-Organized Monolayer Films of Stimulus-Responsive Micelles. Nano Letters, 2002, 2, 1307-1313.	4.5	72
34	The flocculation efficiency of polydisperse polymer flocculants. International Journal of Mineral Processing, 2004, 73, 161-175.	2.6	69
35	Photoelectrochemical properties of â€˜Q-stateâ€™ CdS particles in arachidic acid Langmuirâ€“Blodgett films. Journal of the Chemical Society, Faraday Transactions, 1995, 91, 665-672.	1.7	68
36	Heteroaggregation with nanoparticles: effect of particle size ratio on optimum particle dose. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2005, 255, 85-90.	2.3	68

#	Article	IF	Citations
37	Ultrasonic initiation of polystyrene latex synthesis. Ultrasonics Sonochemistry, 2000, 7, 125-133.	3.8	67
38	Layer-by-Layer Formation of Smart Particle Coatings Using Oppositely Charged Block Copolymer Micelles. Advanced Materials, 2007, 19, 247-250.	11.1	67
39	Dispersion polymerization in non-polar solvent: Evolution toward emerging applications. Progress in Polymer Science, 2013, 38, 897-931.	11.8	64
40	Adsorption of Amphiphilic Diblock Copolymer Micelles at the Mica/Solution Interface. Langmuir, 2001, 17, 5551-5561.	1.6	62
41	Direct Comparison of Atomic Force Microscopic and Total Internal Reflection Microscopic Measurements in the Presence of Nonadsorbing Polyelectrolytes. Langmuir, 2005, 21, 5421-5428.	1.6	62
42	Molecular-Scale Structure of the Cation Modified Muscovite Mica Basal Plane. Langmuir, 1994, 10, 4554-4559.	1.6	61
43	Responsive Coreâ^'Shell Latex Particles as Colloidosome Microcapsule Membranes. Langmuir, 2010, 26, 18408-18414.	1.6	60
44	Atomic Force Microscopy Study of Polystyrene Latex Film Morphology: Effects of Aging and Annealing. Langmuir, 1995, 11, 4454-4459.	1.6	58
45	Bridging flocculation studied by light scattering and settling. Chemical Engineering Journal, 2000, 80, 3-12.	6.6	57
46	Molecular Weight Dependence of the Depletion Interaction between Silica Surfaces in Solutions of Sodium Poly(styrene sulfonate). Langmuir, 2000, 16, 9242-9248.	1.6	56
47	Adsorbed layer structure of a weak polyelectrolyte studied by colloidal probe microscopy and QCM-D as a function of pH and ionic strength. Physical Chemistry Chemical Physics, 2004, 6, 2379-2386.	1.3	56
48	Quantitative comparison of three calibration techniques for the lateral force microscope. Review of Scientific Instruments, 2001, 72, 3304-3312.	0.6	55
49	Defining elder mistreatment: reflections on the United Kingdom Study of Abuse and Neglect of Older People. Ageing and Society, 2010, 30, 403-420.	1.2	55
50	Adsorption of ionic surfactants in particulate systems: flotation, stability, and interaction forces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1999, 146, 75-87.	2.3	54
51	Surface ATRP of Hydrophilic Monomers from Ultrafine Aqueous Silica Sols Using Anionic Polyelectrolytic Macroinitiators. Langmuir, 2007, 23, 408-413.	1.6	54
52	pH-responsive colloidosomes and their use for controlling release. Soft Matter, 2012, 8, 4717.	1.2	54
53	Butyl Acrylate/Vinyl Acetate Copolymer Latex Synthesis Using Ultrasound As an Initiator. Journal of Colloid and Interface Science, 1996, 184, 52-63.	5.0	53
54	Oscillatory Packing and Depletion of Polyelectrolyte Molecules at an Oxideâ^'Water Interface. Journal of Physical Chemistry B, 2002, 106, 11557-11564.	1.2	53

#	Article	IF	Citations
55	Contact angle measurements of iron ore powders. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2000, 166, 203-214.	2.3	52
56	Measurements of Submicron Particle Adsorption and Particle Film Elasticity at Oilâ€“Water Interfaces. Langmuir, 2016, 32, 4125-4133.	1.6	51
57	Preparation of particle-stabilized emulsions using membrane emulsification. Soft Matter, 2010, 6, 1580.	1.2	50
58	Dewatering properties of dual-polymer-flocculated systems. International Journal of Mineral Processing, 2004, 73, 145-160.	2.6	49
59	Salt-Induced Structural Behavior for Poly(N-isopropylacryamide) Grafted onto Solid Surface Observed Directly by AFM and QCM-D. Macromolecules, 2007, 40, 9045-9052.	2.2	49
60	Direct measurements of the adhesion between a glass particle and a glass surface in a humid atmosphere. Journal of Adhesion Science and Technology, 2002, 16, 869-885.	1.4	48
61	Advancing contact angle of iron ores as a function of their hematite and goethite content: implications for pelletising and sintering. International Journal of Mineral Processing, 2004, 74, 281-287.	2.6	47
62	Incorporation of Block Copolymer Micelles into Multilayer Films for Use as Nanodelivery Systems. Langmuir, 2008, 24, 13328-13333.	1.6	45
63	Hollow microspheres with binary porous membranes from solid-stabilised emulsion templates. Journal of Materials Chemistry, 2009, 19, 2724.	6.7	45
64	Production of solid-stabilised emulsions through rotational membrane emulsification: influence of particle adsorption kinetics. Soft Matter, 2012, 8, 1532-1538.	1.2	45
65	Atomic Force Microscopy Imaging of Thin Films Formed by Hydrophobing Reagents. Journal of Colloid and Interface Science, 1994, 165, 425-430.	5.0	43
66	Relationship between interaction forces and the structural compactness of depletion flocculated colloids. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2000, 162, 265-277.	2.3	43
67	Characterizing the pH-Responsive Behavior of Thin Films of Diblock Copolymer Micelles at the Silica/Aqueous Solution Interface. Langmuir, 2006, 22, 8435-8442.	1.6	42
68	The structure and strength of depletion force induced particle aggregates. Chemical Engineering Journal, 2000, 80, 23-30.	6.6	41
69	Microscopic and macroscopic aspects of stick-slip motion in granular shear. Physical Review E, 2001, 64, 016413.	0.8	40
70	Long-Term Retention of Small, Volatile Molecular Species within Metallic Microcapsules. ACS Applied Materials & Interfaces, 2015, 7, 14808-14815.	4.0	40
71	Synthesis, structure and properties of hydrophobically associating polymers. Progress in Organic Coatings, 1994, 24, 11-19.	1.9	39
72	Ion-beam modification of fullerene. Physical Review B, 1995, 52, 841-849.	1.1	38

#	Article	IF	Citations
73	The effect of surfactant adsorption on liquid boundary slippage. Physica A: Statistical Mechanics and Its Applications, 2004, 339, 60-65.	1.2	38
74	pH-Responsive Diblock Copolymer Micelles at the Silica/Aqueous Solution Interface:Â Adsorption Kinetics and Equilibrium Studies. Journal of Physical Chemistry B, 2006, 110, 14744-14753.	1.2	37
75	Analytical Model for Diffusive Evaporation of Sessile Droplets Coupled with Interfacial Cooling Effect. Langmuir, 2018, 34, 6955-6962.	1.6	37
76	Comparison of the Adsorption of Cationic Diblock Copolymer Micelles from Aqueous Solution onto Mica and Silica. Langmuir, 2006, 22, 5328-5333.	1.6	36
77	The Effect of Molecular Weight of Nonadsorbing Polymer on the Structure of Depletion-Induced Flocs. Journal of Colloid and Interface Science, 2002, 247, 24-32.	5.0	35
78	The effect of surfactant chain length on the morphology of poly(methyl methacrylate) microcapsules for fragrance oil encapsulation. Journal of Colloid and Interface Science, 2016, 484, 10-16.	5.0	35
79	Slow Organization of Cationic Surfactant Adsorbed to Silica from Solutions Far below the CMC. Journal of Physical Chemistry B, 2001, 105, 9537-9540.	1.2	34
80	Tunable diblock copolymer micellesâ€“adapting behaviour via subtle chemical modifications. Faraday Discussions, 2005, 128, 193-209.	1.6	34
81	Printing Small Dots from Large Drops. ACS Applied Materials & Interfaces, 2015, 7, 3782-3790.	4.0	34
82	Forces between surfaces in the presence of a cationic polyelectrolyte and an anionic surfactant. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1999, 155, 1-10.	2.3	33
83	Control of Persistent Nonequilibrium Adsorbed Polymer Layer Structure by Transient Exposure to Surfactants. Langmuir, 2003, 19, 2736-2744.	1.6	33
84	Characterization of Layer-by-Layer Self-Assembled Multilayer Films of Diblock Copolymer Micelles. Langmuir, 2008, 24, 116-123.	1.6	33
85	Polymeric Microcapsules Assembled from a Cationic/Zwitterionic Pair of Responsive Block Copolymer Micelles. Langmuir, 2010, 26, 6281-6286.	1.6	33
86	Characterization of Multiple Hindered Settling Regimes in Aggregated Mineral Suspensions. Industrial & Engineering Chemistry Research, 2016, 55, 9983-9993.	1.8	33
87	Foaming Behavior of Polymer-Coated Colloids: The Need for Thick Liquid Films. Langmuir, 2017, 33, 6528-6539.	1.6	33
88	Nonequilibrium Mesoscale Surface Structures:â€‰ The Adsorption of Polymerâ^'Surfactant Mixtures at the Solid/Liquid Interface. Langmuir, 1999, 15, 8719-8725.	1.6	32
89	An Electrokinetic Study of the Adsorption of Dodecyl Ammonium Amine Surfactants at the Muscovite Micaâ^'Water Interface. Langmuir, 2000, 16, 690-694.	1.6	32
90	Non-equilibrium interaction forces between adsorbed polymer layers. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 2783.	1.7	31

#	Article	IF	Citations
91	Ultrasonic velocimetry for the in situ characterisation of particulate settling and sedimentation. Minerals Engineering, 2011, 24, 416-423.	1.8	29
92	Poly(dimethylsiloxane)-Stabilized Polymer Particles from Radical Dispersion Polymerization in Nonpolar Solvent: Influence of Stabilizer Properties and Monomer Type. Langmuir, 2014, 30, 1220-1228.	1.6	29
93	AFM studies of amine surfactant hemimicelle structures at the mica-water interface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1995, 103, 289-298.	2.3	28
94	Elasto-plastic and visco-elastic deformations of a polymer sphere measured using colloid probe and scanning electron microscopy. International Journal of Adhesion and Adhesives, 2000, 20, 445-448.	1.4	28
95	Application of a Dynamic Atomic Force Microscope for the Measurement of Lubrication Forces and Hydrodynamic Thickness between Surfaces Bearing Adsorbed Polyelectrolyte Layers. Macromolecules, 2003, 36, 2903-2906.	2.2	28
96	Synthesis of Zwitterionic Diblock Copolymers without Protecting Group Chemistry. Macromolecules, 2007, 40, 157-167.	2.2	28
97	Using a multi-frequency acoustic backscatter system as an in situ high concentration dispersion monitor. Chemical Engineering Science, 2012, 80, 409-418.	1.9	28
98	The rheology of polyvinylpyrrolidone-coated silica nanoparticles positioned at an air-aqueous interface. Journal of Colloid and Interface Science, 2018, 527, 346-355.	5.0	28
99	Effect of calcination temperature on the electrokinetic properties of colloidal zirconia. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1996, 119, 205-213.	2.3	27
100	Defining elder abuse. Journal of Social Welfare and Family Law, 1998, 20, 285-304.	0.6	27
101	Effect of aggregate size on sediment bed rheological properties. Physical Chemistry Chemical Physics, 2004, 6, 4490.	1.3	27
102	Interactional perspectives on the mistreatment of older and vulnerable people in longâ€term care settings. British Journal of Sociology, 2013, 64, 267-286.	0.8	27
103	Hydrophobic and Electrostatic Interactions in Water-Soluble Associating Copolymers. Advances in Chemistry Series, 1996, , 251-278.	0.6	26
104	Lateral Force Microscopy Study of the Friction between Silica Surfaces. Journal of Colloid and Interface Science, 2000, 232, 133-140.	5.0	26
105	An atomic force microscopy study of weathering of polyester/melamine paint surfaces. Progress in Organic Coatings, 2001, 42, 49-58.	1.9	26
106	A QCM Study on the Adsorption of Colloidal Laponite at the Solid/Liquid Interface. Langmuir, 2010, 26, 8366-8372.	1.6	26
107	The effect of premature wall yield on creep testing of strongly flocculated suspensions. Rheologica Acta, 2015, 54, 337-352.	1.1	26
108	Synthesis of nuclear waste simulants by reaction precipitation: Formation of caesium phosphomolybdate, zirconium molybdate and morphology modification with citratomolybdate complex. Polyhedron, 2015, 89, 129-141.	1.0	25

#	Article	IF	Citations
109	Calibration of colloid probe cantilevers using the dynamic viscous response of a confined liquid. Review of Scientific Instruments, 2003, 74, 4026-4032.	0.6	24
110	Theoretical Development and Elder Mistreatment: Spreading Awareness and Conceptual Complexity in Examining the Management of Socio-Emotional Boundaries. Ageing International, 2010, 35, 171-184.	0.6	24
111	Interaction forces between goethite and polymeric flocculants and their effect on the flocculation of fine goethite particles. Chemical Engineering Journal, 2018, 334, 1034-1045.	6.6	24
112	Characterisation of the dispersion stability of a stimulus responsive coreâ€“shell colloidal latex. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 353, 210-215.	2.3	23
113	An acoustic backscatter system for in situ concentration profiling of settling flocculated dispersions. Minerals Engineering, 2012, 27-28, 20-27.	1.8	23
114	Elder mistreatment, ageism, and human rights. International Psychogeriatrics, 2013, 25, 1299-1306.	0.6	23
115	pH-responsive behavior of selectively quaternized diblock copolymers adsorbed at the silica/aqueous solution interface. Journal of Colloid and Interface Science, 2007, 314, 381-388.	5.0	22
116	Surfactant selection for accurate size control of microcapsules using membrane emulsification. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 347, 97-103.	2.3	22
117	Adsorption Kinetics of Laponite and Ludox Silica Nanoparticles onto a Deposited Poly(diallyldimethylammonium chloride) Layer Measured by a Quartz Crystal Microbalance and Optical Reflectometry. Langmuir, 2010, 26, 18105-18112.	1.6	22
118	Measuring particle concentration in multiphase pipe flow using acoustic backscatter: Generalization of the dual-frequency inversion method. Journal of the Acoustical Society of America, 2014, 136, 156-169.	0.5	22
119	Yield stress dependency on the evolution of bubble populations generated in consolidated soft sediments. AICHE Journal, 2017, 63, 3728-3742.	1.8	22
120	Encapsulation of Emulsion Droplets with Metal Shells for Subsequent Remote, Triggered Release. ACS Applied Materials & Interfaces, 2019, 11, 12272-12282.	4.0	22
121	Aggregate Structures and Solid-Liquid Separation Processes. KONA Powder and Particle Journal, 2006, 24, 41-53.	0.9	21
122	Surface characterization of nanoparticles carrying pH-responsive polymer hair. Polymer, 2010, 51, 6240-6247.	1.8	21
123	Probing the stability of sterically stabilized polystyrene particles by centrifugal sedimentation. Soft Matter, 2013, 9, 10031.	1.2	20
124	Measurement of particle concentration in horizontal, multiphase pipe flow using acoustic methods: Limiting concentration and the effect of attenuation. Chemical Engineering Science, 2015, 126, 745-758.	1.9	20
125	Influence of shape and surface charge on the sedimentation of spheroidal, cubic and rectangular cuboid particles. Powder Technology, 2017, 322, 75-83.	2.1	20
126	Microscopic and macroscopic effects of surface lubricant films in granular shear. Physical Review E, 2000, 62, 8369-8379.	0.8	19

#	Article	IF	Citations
127	Research thrives on integration of natural and social sciences. Nature, 2010, 463, 1018-1018.	13.7	19
128	Polymer Molecular Weight Dependence on Lubricating Particleâ€“Particle Interactions. Industrial & Engineering Chemistry Research, 2018, 57, 2131-2138.	1.8	19
129	Ultrasound-triggered release from metal shell microcapsules. Journal of Colloid and Interface Science, 2019, 554, 444-452.	5.0	19
130	Direct Visualization of a Self-Organized Multilayer Film of Low TgDiblock Copolymer Micelles. Journal of Physical Chemistry B, 2007, 111, 5536-5541.	1.2	18
131	Manipulating colloidal residue deposit from drying droplets: Air/liquid interface capture competes with coffee-ring effect. Chemical Engineering Science, 2017, 167, 78-87.	1.9	18
132	The Formation of an Irreversibly Adsorbed and Organized Micelle Layer at the Solidâ^'Liquid Interface. Nano Letters, 2002, 2, 1409-1412.	4.5	17
133	Adsorption characteristics of zwitterionic diblock copolymers at the silica/aqueous solution interface. Journal of Colloid and Interface Science, 2008, 317, 383-394.	5.0	17
134	The influence of nanoparticle shape on the drying of colloidal suspensions. Journal of Colloid and Interface Science, 2010, 352, 99-106.	5.0	17
135	Metal-shell nanocapsules for the delivery of cancer drugs. Journal of Colloid and Interface Science, 2020, 567, 171-180.	5.0	17
136	Measurement of the Adhesion of a Viscoelastic Sphere to a Flat Non-Compliant Substrate. Journal of Adhesion, 2000, 74, 125-142.	1.8	16
137	First steps: the UK national prevalence study of the mistreatment and abuse of older people. Journal of Adult Protection, The, 2006, 8, 4-11.	0.6	16
138	Aging in a critical world: The search for generational intelligence. Journal of Aging Studies, 2008, 22, 115-119.	0.7	16
139	Defining the â€œperpetratorâ€• abuse, neglect and dignity in care. Journal of Adult Protection, The, 2013, 15, 5-14.	0.6	16
140	Concentration profiling of a horizontal sedimentation tank utilising a bespoke acoustic backscatter array and CFD simulations. Chemical Engineering Science, 2020, 218, 115560.	1.9	16
141	Shear History Effects in Associative Thickener Solutions. Macromolecules, 1998, 31, 7691-7697.	2.2	15
142	The Adsorption of Polymerized Rodlike Micelles at the Solidâ^'Liquid Interface. Langmuir, 2004, 20, 1085-1094.	1.6	15
143	Hollow microspheres with binary colloidal and polymeric membrane: Effect of polymer and particle concentrations. Advanced Powder Technology, 2010, 21, 19-22.	2.0	15
144	The minimum transport velocity of colloidal silica suspensions. Chemical Engineering Science, 2011, 66, 2309-2316.	1.9	15

#	Article	IF	Citations
145	The influence of system scale on impinging jet sediment erosion: Observed using novel and standard measurement techniques. Chemical Engineering Research and Design, 2013, 91, 722-734.	2.7	15
146	Effects of copolymer concentration and chain length on the pH-responsive behavior of diblock copolymer micellar films. Journal of Colloid and Interface Science, 2006, 303, 372-379.	5.0	14
147	Polymerized Rodlike Micelle Adsorption at the Solidâ^'Liquid Interface. Langmuir, 2007, 23, 8094-8102.	1.6	14
148	Characterising highly active nuclear waste simulants. Chemical Engineering Research and Design, 2013, 91, 742-751.	2.7	14
149	In situ characterisation of a concentrated colloidal titanium dioxide settling suspension and associated bed development: Application of an acoustic backscatter system. Powder Technology, 2015, 284, 530-540.	2.1	14
150	Enhanced gas migration through permeable bubble networks within consolidated soft sediments. AICHE Journal, 2018, 64, 4131-4147.	1.8	14
151	Production of high internal phase emulsions using rising air bubbles. Chemical Engineering Science, 2001, 56, 6285-6293.	1.9	13
152	Adsorption of Ionic Surfactants to a Plasma Polymer Substrate. Langmuir, 2003, 19, 4222-4227.	1.6	13
153	An improved collision efficiency model for particle aggregation. Journal of Chemical Physics, 2006, 125, 184906.	1.2	13
154	Manufacture of controlled emulsions and particulates using membrane emulsification. Desalination, 2008, 224, 215-220.	4.0	13
155	Adsorption of Catalytic Nanoparticles onto Polymer Substrates for Controlled Deposition of Microcapsule Metal Shells. Langmuir, 2018, 34, 1473-1480.	1.6	13
156	Poly(styrene-b-2-vinylpyridine-1-oxide) and poly(dimethylsiloxane-b-2 vinylpyridine-1-oxide) diblock copolymers. 1. Preparation and characterisation. Colloid and Polymer Science, 1992, 270, 505-510.	1.0	12
157	The formation of water-in-oil microemulsions using a concentrated saline aqueous phase. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1998, 137, 25-33.	2.3	12
158	The rheology of concentrated suspensions of depletion-flocculated latex particles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 214, 173-180.	2.3	12
159	Complex Adsorption Behavior of Rodlike Polyelectrolyteâ^'Surfactant Aggregates. Langmuir, 2009, 25, 4484-4489.	1.6	12
160	Direct measurement of the depletion interaction in binary solutions of polyelectrolytes. Physical Chemistry Chemical Physics, 2010, 12, 4172.	1.3	12
161	Adsorption of Phytosterol Ethoxylates on Silica in an Aprotic Room-Temperature Ionic Liquid. Langmuir, 2011, 27, 3244-3248.	1.6	12
162	Behavior of pH-Sensitive Core Shell Particles at the Airâ€“water Interface. Langmuir, 2012, 28, 5085-5092.	1.6	12

#	Article	IF	Citations
163	On the predictions for diffusion-driven evaporation of sessile droplets with interface cooling. Chemical Engineering Science, 2018, 177, 417-421.	1.9	12
164	Particle-Particle Interactions: The Link between Aggregate Properties and Rheology. Particulate Science and Technology, 2010, 28, 404-425.	1.1	11
165	Constraints on the functional form of the critical deposition velocity in solidâ€“liquid pipe flow at low solid volume fractions. Chemical Engineering Science, 2015, 126, 759-770.	1.9	11
166	Manufacture of poly(methyl methacrylate) microspheres using membrane emulsification. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150134.	1.6	11
167	In situ characterization of mixing and sedimentation dynamics in an impinging jet ballast tank via acoustic backscatter. AICHE Journal, 2017, 63, 2618-2629.	1.8	11
168	Understanding the Mechanisms of Gold Shell Growth onto Polymer Microcapsules to Control Shell Thickness. Chemistry - an Asian Journal, 2017, 12, 1641-1648.	1.7	10
169	Measurement and density normalisation of acoustic attenuation and backscattering constants of arbitrary suspensions within the Rayleigh scattering regime. Applied Acoustics, 2019, 146, 9-22.	1.7	10
170	Characterization of Bed Densification in a Laboratory Scale Thickener, by Novel Application of an Acoustic Backscatter System. Procedia Engineering, 2015, 102, 858-866.	1.2	9
171	Particle Concentration Measurement and Flow Regime Identification in Multiphase Pipe Flow Using a Generalised Dual-frequency Inversion Method. Procedia Engineering, 2015, 102, 986-995.	1.2	9
172	A two-step synthesis for preparing metal microcapsules with a biodegradable polymer substrate. Journal of Materials Chemistry B, 2018, 6, 2151-2158.	2.9	9
173	Fine particle turbulence modulation. AICHE Journal, 2011, 57, 1693-1699.	1.8	8
174	The influence of relative fluid depth on initial bedform dynamics in closed, horizontal pipe flow. International Journal of Multiphase Flow, 2017, 93, 1-16.	1.6	7
175	Influence of pH-Responsive Monomer Content on the Behavior of Di-Block Copolymers in Solution and as Stabilizers of Pickering Latex Particle Emulsifiers. Frontiers in Chemistry, 2018, 6, 301.	1.8	7
176	Poly(styrene-b-2-vinylpyridine-1-oxide) diblock copolymers: 3. Microemulsions in water/propan-2-ol/toluene mixtures. Colloid and Polymer Science, 1992, 270, 563-573.	1.0	6
177	Modification of a Commercial Atomic Force Microscope for Nanorheological Experiments: Adsorbed Polymer Layers. Microscopy and Microanalysis, 2000, 6, 121-128.	0.2	6
178	Spontaneous Formation of an â€œAntidropâ€• Langmuir, 2006, 22, 522-523.	1.6	6
179	Wear of a single asperity using Lateral Force Microscopy. Tribology Letters, 2006, 24, 257-263.	1.2	6
180	Adsorption Studies of a Polymerizable Surfactant by Optical Reflectivity and Quartz Crystal Microbalance. Langmuir, 2009, 25, 11503-11508.	1.6	6

#	Article	IF	Citations
181	Bi-modal hetero-aggregation rate response to particle dosage. Journal of Chemical Physics, 2005, 123, 204904.	1.2	5
182	Observed transition from linear to non-linear frictionâ€“load behavior using a lateral force microscope. Applied Surface Science, 2006, 252, 4964-4968.	3.1	5
183	Quartz crystal microbalance as a device to measure the yield stress of colloidal suspensions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 546, 179-185.	2.3	5
184	Investigating Adsorbing Viscoelastic Fluids Using the Quartz Crystal Microbalance. ACS Omega, 2020, 5, 22081-22090.	1.6	5
185	Multi-layer films of block copolymer micelles adsorbed to colloidal templates. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 4293-4311.	1.6	4
186	Using Generational Intelligence to Examine Community Care Work between Younger and Older Adults. Journal of Social Work Practice, 2015, 29, 457-473.	0.6	4
187	A new way of assessing droplet evaporation independently of the substrate hydrophobicity and contact line mode: A case study of sessile droplets with surfactants. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 577, 396-404.	2.3	4
188	Polymer bridging forces between a colloidal sphere and a flat plate. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1994, 98, 636-637.	0.9	3
189	Surfactant and Polymer Adsorption: Atomic Force Microscopy Measurements. ACS Symposium Series, 1996, , 255-266.	0.5	3
190	Viscosity Effect on the Structural Compactness of Latex Flocs Formed under Weak Depletion Attractions. Journal of Colloid and Interface Science, 2002, 255, 91-97.	5.0	3
191	The influence of nanoparticles on polystyrene adhesion. Advanced Powder Technology, 2010, 21, 13-18.	2.0	3
192	Facile synthesis of gold coreâ€“polymer shell responsive particles. Journal of Colloid and Interface Science, 2013, 407, 187-195.	5.0	3
193	Deposition of non-porous calcium phosphate shells onto liquid filled microcapsules. Journal of Colloid and Interface Science, 2022, 609, 575-583.	5.0	3
194	Poly(styrene-b-2-vinylpyridine-1-oxide) and poly(dimethyl-siloxane-b-2-vinylpyridine-1-oxide) diblock copolymers 2. Micellar solutions in water/propan-2-ol mixtures. Colloid and Polymer Science, 1992, 270, 511-517.	1.0	2
195	Examining soft particulates using an atomic force microscope and a quartz crystal microbalance. Advanced Powder Technology, 2007, 18, 615-629.	2.0	2
196	Collision efficiency factor for heteroaggregation: Extension to soft interactions. Journal of Chemical Physics, 2008, 128, 044913.	1.2	2
197	The Rheology of Oxide Dispersions and the Role of Concentrated Electrolyte Solutions. , 2007, , .		2
198	The Influence of Zeta Potential and Yield Stress on the Filtration Characteristics of a Magnesium Hydroxide Simulant. , 2007, , 1133.		1

#	Article	IF	Citations
199	Transport of Nuclear Waste Flows: A Modelling and Simulation Approach. , 2011, , .		1
200	Ultrasonic Techniques for the In Situ Characterisation of â€˜Legacyâ€™ Waste Sludges and Dispersions. , 2011, , .		1
201	Surfactants at the solidâ€“liquid interface: Measurements at higher concentrations using optical reflectometry. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 434, 164-170.	2.3	1
202	Chapter 1. A Journey Through Colloid Science. Special Publication - Royal Society of Chemistry, 0, , 1-40.	0.0	1
203	Special Issueâ€”7th World Congress of Chemical Engineering. Chemical Engineering Research and Design, 2005, 83, 771-772.	2.7	0
204	The Effect of Particle-Particle Interaction Forces on the Flow Properties of Silica Slurries. , 2007, , 1147.		0
205	The DIAMOND University Research Consortium: Nuclear Waste Characterisation, Immobilisation and Storage. , 2009, , .		0
206	Preface. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 4227-4227.	1.6	0
207	Transport and Deposition Properties of Model Slurries of One and Two Particle Species. , 2011, , .		0
208	Physical Modelling of Turbulent Jets for Nuclear Sludge Mobilisation. , 2011, , .		0
209	Influence of polymers on particulate dispersion stability: Scanning probe microscopy investigations. , 2007, , 185-226.		0
210	Nuclear Waste Treatment: Studying the Mixed Ion Type Effects and Concentration on the Behaviour of Oxide Dispersions. , 2007, , .		0
211	Engineering Properties of Nuclear Waste Slurries. , 2009, , .		0
212	The KNOO Research Consortium: Work Package 3â€”An Integrated Approach to Waste Immobilisation and Management. , 2009, , .		0
213	Theoretical Modelling of Nuclear Waste Flows. , 2009, , .		0
214	Hydraulic Behaviour of Nuclear Waste Flows. , 2009, , .		0
215	Characterising Nuclear Simulant Suspensions In Situ With an Acoustic Backscatter System. , 2013, , .		0
216	Chapter 5. Polymers and Surfactants at Interfaces: Colloidal Lego for Nanotechnology. Special Publication - Royal Society of Chemistry, 0, , 89-106.	0.0	0