

Simon R Biggs

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6674025/simon-r-biggs-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

201
papers

8,093
citations

50
h-index

80
g-index

219
ext. papers

8,561
ext. citations

5.5
avg, IF

5.94
L-index

#	Paper	IF	Citations
201	Mechanism of cationic surfactant adsorption at the solid-aqueous interface. <i>Advances in Colloid and Interface Science</i> , 2003 , 103, 219-304	14.3	500
200	Weight loss by mobile phone: a 1-year effectiveness study. <i>Public Health Nutrition</i> , 2009 , 12, 2382-91	3.3	223
199	Drop penetration into porous powder beds. <i>Journal of Colloid and Interface Science</i> , 2002 , 253, 353-66	9.3	206
198	Counterion Effects on Hexadecyltrimethylammonium Surfactant Adsorption and Self-Assembly on Silica. <i>Langmuir</i> , 2000 , 16, 2548-2556	4	197
197	Study of Anion Adsorption at the Gold-Aqueous Solution Interface by Atomic Force Microscopy. <i>Journal of the American Chemical Society</i> , 1994 , 116, 9150-9157	16.4	188
196	Steric and Bridging Forces between Surfaces Bearing Adsorbed Polymer: An Atomic Force Microscopy Study. <i>Langmuir</i> , 1995 , 11, 156-162	4	187
195	Aggregate structures formed via a bridging flocculation mechanism. <i>Chemical Engineering Journal</i> , 2000 , 80, 13-22	14.7	171
194	Stimulus responsive core-shell nanoparticles: synthesis and applications of polymer based aqueous systems. <i>Soft Matter</i> , 2011 , 7, 2211-2234	3.6	167
193	Effect of surfactant on the solution properties of hydrophobically modified polyacrylamide. <i>Langmuir</i> , 1992 , 8, 838-847	4	163
192	Copolymerization of acrylamide and a hydrophobic monomer in an aqueous micellar medium: effect of the surfactant on the copolymer microstructure. <i>The Journal of Physical Chemistry</i> , 1992 , 96, 1505-1511		146
191	Adsorption Kinetics and Structural Arrangements of Cationic Surfactants on Silica Surfaces. <i>Langmuir</i> , 2000 , 16, 9374-9380	4	137
190	Measurement of the forces between gold surfaces in water by atomic force microscopy. <i>Journal of Chemical Physics</i> , 1994 , 100, 8501-8505	3.9	128
189	Mistreatment of older people in the United Kingdom: findings from the first National Prevalence Study. <i>Journal of Elder Abuse and Neglect</i> , 2009 , 21, 1-14	1.9	127
188	The influence of chain length and electrolyte on the adsorption kinetics of cationic surfactants at the silica-aqueous solution interface. <i>Journal of Colloid and Interface Science</i> , 2003 , 266, 236-44	9.3	117
187	Direct Measurement of the Depletion Force Using an Atomic Force Microscope. <i>Journal of Colloid and Interface Science</i> , 1995 , 170, 604-606	9.3	114
186	Direct observation of the phase transition for a poly(N-isopropylacrylamide) layer grafted onto a solid surface by AFM and QCM-D. <i>Langmuir</i> , 2007 , 23, 11083-8	4	113
185	A Light Scattering Study of the Fractal Aggregation Behavior of a Model Colloidal System. <i>Langmuir</i> , 1997 , 13, 6413-6420	4	104

184	The Direct Measurement of the Forces of Interaction between a Colloid Particle and an Oil Droplet. <i>Journal of Colloid and Interface Science</i> , 1996 , 183, 614-6	9.3	101
183	Adsorption Kinetics and Structural Arrangements of Cetylpyridinium Bromide at the Silica/Aqueous Interface. <i>Langmuir</i> , 2001 , 17, 6155-6163	4	95
182	Polyelectrolyte adsorption at the solid/liquid interface: Interaction forces and stability. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1998 , 139, 199-211	5.1	90
181	Nano-Anemones: Stimulus-Responsive Copolymer-Micelle Surfaces. <i>Advanced Materials</i> , 2004 , 16, 1794-1798	14	89
180	Preparation of Polystyrene Latex with Ultrasonic Initiation. <i>Macromolecules</i> , 1995 , 28, 4877-4882	5.5	88
179	Electrosteric stabilisation of colloidal zirconia with low-molecular-weight polyacrylic acid. An atomic force microscopy study. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1994 , 90, 3415		87
178	Formation of gold sols using ultrasound. <i>Journal of the Chemical Society Chemical Communications</i> , 1993 , 378		80
177	Adsorption of 12-s-12 Gemini Surfactants at the Silica/Aqueous Solution Interface. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 2978-2985	3.4	77
176	Copolymers of acrylamide/N-alkylacrylamide in aqueous solution: the effects of hydrolysis on hydrophobic interactions. <i>Polymer</i> , 1993 , 34, 580-591	3.9	77
175	Atomic force microscopy investigation of the adhesion between a single polymer sphere and a flat surface. <i>Journal of Adhesion Science and Technology</i> , 1998 , 12, 461-478	2	76
174	A Foucauldian analysis of old age and the power of social welfare. <i>Journal of Aging and Social Policy</i> , 2001 , 12, 93-112	7.4	76
173	Force Calibration in Lateral Force Microscopy. <i>Journal of Colloid and Interface Science</i> , 2000 , 227, 55-65	9.3	75
172	Effect of Grafting Density on Phase Transition Behavior for Poly(N-isopropylacrylamide) Brushes in Aqueous Solutions Studied by AFM and QCM-D. <i>Macromolecules</i> , 2010 , 43, 7269-7276	5.5	74
171	Forces between Silica Surfaces in Aqueous Solutions of a Weak Polyelectrolyte. <i>Langmuir</i> , 1997 , 13, 7202-7210	7.2	72
170	Self-Organized Monolayer Films of Stimulus-Responsive Micelles. <i>Nano Letters</i> , 2002 , 2, 1307-1313	11.5	68
169	Layer-by-Layer Formation of Smart Particle Coatings Using Oppositely Charged Block Copolymer Micelles. <i>Advanced Materials</i> , 2007 , 19, 247-250	24	66
168	Effects of citrate adsorption on the interactions between zirconia surfaces. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1995 , 91, 2921		64
167	Photoelectrochemical properties of Q-state CdS particles in arachidic acid Langmuir-Blodgett films. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1995 , 91, 665-672		63

166	Heteroaggregation with nanoparticles: effect of particle size ratio on optimum particle dose. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005 , 255, 85-90	5.1	62
165	Ultrasonic initiation of polystyrene latex synthesis. <i>Ultrasonics Sonochemistry</i> , 2000 , 7, 125-33	8.9	60
164	The flocculation efficiency of polydisperse polymer flocculants. <i>International Journal of Mineral Processing</i> , 2004 , 73, 161-175		59
163	Adsorption of Amphiphilic Diblock Copolymer Micelles at the Mica/Solution Interface. <i>Langmuir</i> , 2001 , 17, 5551-5561	4	59
162	Responsive core-shell latex particles as colloidosome microcapsule membranes. <i>Langmuir</i> , 2010 , 26, 18408-14	4	56
161	Adsorbed layer structure of a weak polyelectrolyte studied by colloidal probe microscopy and QCM-D as a function of pH and ionic strength. <i>Physical Chemistry Chemical Physics</i> , 2004 , 6, 2379-2386	3.6	56
160	Direct comparison of atomic force microscopic and total internal reflection microscopic measurements in the presence of nonadsorbing polyelectrolytes. <i>Langmuir</i> , 2005 , 21, 5421-8	4	54
159	Dispersion polymerization in non-polar solvent: Evolution toward emerging applications. <i>Progress in Polymer Science</i> , 2013 , 38, 897-931	29.6	53
158	Surface ATRP of hydrophilic monomers from ultrafine aqueous silica sols using anionic polyelectrolytic macroinitiators. <i>Langmuir</i> , 2007 , 23, 408-13	4	52
157	Quantitative comparison of three calibration techniques for the lateral force microscope. <i>Review of Scientific Instruments</i> , 2001 , 72, 3304-3312	1.7	52
156	Molecular-Scale Structure of the Cation Modified Muscovite Mica Basal Plane. <i>Langmuir</i> , 1994 , 10, 4554-4559	4	52
155	Bridging flocculation studied by light scattering and settling. <i>Chemical Engineering Journal</i> , 2000 , 80, 3-12	14.7	51
154	Molecular Weight Dependence of the Depletion Interaction between Silica Surfaces in Solutions of Sodium Poly(styrene sulfonate). <i>Langmuir</i> , 2000 , 16, 9242-9248	4	51
153	Atomic Force Microscopy Study of Polystyrene Latex Film Morphology: Effects of Aging and Annealing. <i>Langmuir</i> , 1995 , 11, 4454-4459	4	51
152	Adsorption of ionic surfactants in particulate systems: flotation, stability, and interaction forces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999 , 146, 75-87	5.1	50
151	pH-responsive colloidosomes and their use for controlling release. <i>Soft Matter</i> , 2012 , 8, 4717	3.6	49
150	Oscillatory Packing and Depletion of Polyelectrolyte Molecules at an Oxide/Water Interface. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 11557-11564	3.4	49
149	Defining elder mistreatment: reflections on the United Kingdom Study of Abuse and Neglect of Older People. <i>Ageing and Society</i> , 2010 , 30, 403-420	1.7	47

148	Salt-Induced Structural Behavior for Poly(N-isopropylacryamide) Grafted onto Solid Surface Observed Directly by AFM and QCM-D. <i>Macromolecules</i> , 2007 , 40, 9045-9052	5.5	46
147	Hollow microspheres with binary porous membranes from solid-stabilised emulsion templates. <i>Journal of Materials Chemistry</i> , 2009 , 19, 2724		45
146	Direct measurements of the adhesion between a glass particle and a glass surface in a humid atmosphere. <i>Journal of Adhesion Science and Technology</i> , 2002 , 16, 869-885	2	45
145	Incorporation of block copolymer micelles into multilayer films for use as nanodelivery systems. <i>Langmuir</i> , 2008 , 24, 13328-33	4	44
144	Contact angle measurements of iron ore powders. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2000 , 166, 203-214	5.1	44
143	Butyl Acrylate/Vinyl Acetate Copolymer Latex Synthesis Using Ultrasound As an Initiator. <i>Journal of Colloid and Interface Science</i> , 1996 , 184, 52-63	9.3	44
142	Dewatering properties of dual-polymer-flocculated systems. <i>International Journal of Mineral Processing</i> , 2004 , 73, 145-160		43
141	Preparation of particle-stabilized emulsions using membrane emulsification. <i>Soft Matter</i> , 2010 , 6, 1580	3.6	42
140	Production of solid-stabilised emulsions through rotational membrane emulsification: influence of particle adsorption kinetics. <i>Soft Matter</i> , 2012 , 8, 1532-1538	3.6	40
139	Characterizing the pH-responsive behavior of thin films of diblock copolymer micelles at the silica/aqueous solution interface. <i>Langmuir</i> , 2006 , 22, 8435-42	4	40
138	Advancing contact angle of iron ores as a function of their hematite and goethite content: implications for pelletising and sintering. <i>International Journal of Mineral Processing</i> , 2004 , 74, 281-287		40
137	Relationship between interaction forces and the structural compactness of depletion flocculated colloids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2000 , 162, 265-277	5.1	39
136	Atomic Force Microscopy Imaging of Thin Films Formed by Hydrophobing Reagents. <i>Journal of Colloid and Interface Science</i> , 1994 , 165, 425-430	9.3	39
135	Ion-beam modification of fullerene. <i>Physical Review B</i> , 1995 , 52, 841-849	3.3	38
134	The structure and strength of depletion force induced particle aggregates. <i>Chemical Engineering Journal</i> , 2000 , 80, 23-30	14.7	37
133	Measurements of Submicron Particle Adsorption and Particle Film Elasticity at Oil-Water Interfaces. <i>Langmuir</i> , 2016 , 32, 4125-33	4	36
132	pH-responsive diblock copolymer micelles at the silica/aqueous solution interface: Adsorption kinetics and equilibrium studies. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 14744-53	3.4	35
131	Comparison of the adsorption of cationic diblock copolymer micelles from aqueous solution onto mica and silica. <i>Langmuir</i> , 2006 , 22, 5328-33	4	34

130	The effect of molecular weight of nonadsorbing polymer on the structure of depletion-induced floccs. <i>Journal of Colloid and Interface Science</i> , 2002 , 247, 24-32	9.3	34
129	Polymeric microcapsules assembled from a cationic/zwitterionic pair of responsive block copolymer micelles. <i>Langmuir</i> , 2010 , 26, 6281-6	4	33
128	Tunable diblock copolymer micelles-adapting behaviour via subtle chemical modifications. <i>Faraday Discussions</i> , 2005 , 128, 193-209	3.6	33
127	The effect of surfactant adsorption on liquid boundary slippage. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004 , 339, 60-65	3.3	33
126	Slow Organization of Cationic Surfactant Adsorbed to Silica from Solutions Far below the CMC. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 9537-9540	3.4	33
125	Long-Term Retention of Small, Volatile Molecular Species within Metallic Microcapsules. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 14808-15	9.5	32
124	Characterization of layer-by-layer self-assembled multilayer films of diblock copolymer micelles. <i>Langmuir</i> , 2008 , 24, 116-23	4	32
123	Control of Persistent Nonequilibrium Adsorbed Polymer Layer Structure by Transient Exposure to Surfactants. <i>Langmuir</i> , 2003 , 19, 2736-2744	4	32
122	Synthesis, structure and properties of hydrophobically associating polymers. <i>Progress in Organic Coatings</i> , 1994 , 24, 11-19	4.8	32
121	Microscopic and macroscopic aspects of stick-slip motion in granular shear. <i>Physical Review E</i> , 2001 , 64, 016413	2.4	31
120	The effect of surfactant chain length on the morphology of poly(methyl methacrylate) microcapsules for fragrance oil encapsulation. <i>Journal of Colloid and Interface Science</i> , 2016 , 484, 10-16	9.3	30
119	An Electrokinetic Study of the Adsorption of Dodecyl Ammonium Amine Surfactants at the Muscovite Mica/Water Interface. <i>Langmuir</i> , 2000 , 16, 690-694	4	30
118	Forces between surfaces in the presence of a cationic polyelectrolyte and an anionic surfactant. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999 , 155, 1-10	5.1	30
117	Nonequilibrium Mesoscale Surface Structures: The Adsorption of Polymer/Surfactant Mixtures at the Solid/Liquid Interface. <i>Langmuir</i> , 1999 , 15, 8719-8725	4	30
116	Non-equilibrium interaction forces between adsorbed polymer layers. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996 , 92, 2783		29
115	Elasto-plastic and visco-elastic deformations of a polymer sphere measured using colloid probe and scanning electron microscopy. <i>International Journal of Adhesion and Adhesives</i> , 2000 , 20, 445-448	3.4	28
114	Ultrasonic velocimetry for the in situ characterisation of particulate settling and sedimentation. <i>Minerals Engineering</i> , 2011 , 24, 416-423	4.9	27
113	Synthesis of Zwitterionic Diblock Copolymers without Protecting Group Chemistry. <i>Macromolecules</i> , 2007 , 40, 157-167	5.5	27

112	Application of a Dynamic Atomic Force Microscope for the Measurement of Lubrication Forces and Hydrodynamic Thickness between Surfaces Bearing Adsorbed Polyelectrolyte Layers. <i>Macromolecules</i> , 2003 , 36, 2903-2906	5.5	27
111	Printing small dots from large drops. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 3782-90	9.5	26
110	AFM studies of amine surfactant hemimicelle structures at the mica-water interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1995 , 103, 289-298	5.1	26
109	Poly(dimethylsiloxane)-stabilized polymer particles from radical dispersion polymerization in nonpolar solvent: influence of stabilizer properties and monomer type [corrected]. <i>Langmuir</i> , 2014 , 30, 1220-8	4	25
108	Effect of aggregate size on sediment bed rheological properties. <i>Physical Chemistry Chemical Physics</i> , 2004 , 6, 4490	3.6	24
107	An atomic force microscopy study of weathering of polyester/melamine paint surfaces. <i>Progress in Organic Coatings</i> , 2001 , 42, 49-58	4.8	24
106	Hydrophobic and Electrostatic Interactions in Water-Soluble Associating Copolymers. <i>Advances in Chemistry Series</i> , 1996 , 251-278		24
105	Lateral Force Microscopy Study of the Friction between Silica Surfaces. <i>Journal of Colloid and Interface Science</i> , 2000 , 232, 133-140	9.3	23
104	Defining elder abuse. <i>Journal of Social Welfare and Family Law</i> , 1998 , 20, 285-304	0.5	23
103	Characterization of Multiple Hindered Settling Regimes in Aggregated Mineral Suspensions. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 9983-9993	3.9	23
102	Foaming Behavior of Polymer-Coated Colloids: The Need for Thick Liquid Films. <i>Langmuir</i> , 2017 , 33, 6528-6539	22	22
101	Interactional perspectives on the mistreatment of older and vulnerable people in long-term care settings. <i>British Journal of Sociology</i> , 2013 , 64, 267-86	2.2	22
100	Using a multi-frequency acoustic backscatter system as an in situ high concentration dispersion monitor. <i>Chemical Engineering Science</i> , 2012 , 80, 409-418	4.4	22
99	A QCM study on the adsorption of colloidal laponite at the solid/liquid interface. <i>Langmuir</i> , 2010 , 26, 8366-72	4	22
98	Analytical Model for Diffusive Evaporation of Sessile Droplets Coupled with Interfacial Cooling Effect. <i>Langmuir</i> , 2018 , 34, 6955-6962	4	22
97	The effect of premature wall yield on creep testing of strongly flocculated suspensions. <i>Rheologica Acta</i> , 2015 , 54, 337-352	2.3	21
96	Aggregate Structures and Solid-Liquid Separation Processes. <i>KONA Powder and Particle Journal</i> , 2006 , 24, 41-53	3.4	21
95	Calibration of colloid probe cantilevers using the dynamic viscous response of a confined liquid. <i>Review of Scientific Instruments</i> , 2003 , 74, 4026-4032	1.7	21

94	Effect of calcination temperature on the electrokinetic properties of colloidal zirconia. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1996 , 119, 205-213	5.1	21
93	Adsorption kinetics of laponite and ludox silica nanoparticles onto a deposited poly(diallyldimethylammonium chloride) layer measured by a quartz crystal microbalance and optical reflectometry. <i>Langmuir</i> , 2010 , 26, 18105-12	4	20
92	Theoretical Development and Elder Mistreatment: Spreading Awareness and Conceptual Complexity in Examining the Management of Socio-Emotional Boundaries. <i>Ageing International</i> , 2010 , 35, 171-184	0.8	20
91	Characterisation of the dispersion stability of a stimulus responsive core-shell colloidal latex. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010 , 353, 210-215	5.1	20
90	The rheology of polyvinylpyrrolidone-coated silica nanoparticles positioned at an air-aqueous interface. <i>Journal of Colloid and Interface Science</i> , 2018 , 527, 346-355	9.3	20
89	Surfactant selection for accurate size control of microcapsules using membrane emulsification. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009 , 347, 97-103	5.1	19
88	pH-responsive behavior of selectively quaternized diblock copolymers adsorbed at the silica/aqueous solution interface. <i>Journal of Colloid and Interface Science</i> , 2007 , 314, 381-8	9.3	19
87	Microscopic and macroscopic effects of surface lubricant films in granular shear. <i>Physical Review E</i> , 2000 , 62, 8369-79	2.4	19
86	An acoustic backscatter system for in situ concentration profiling of settling flocculated dispersions. <i>Minerals Engineering</i> , 2012 , 27-28, 20-27	4.9	18
85	Elder mistreatment, ageism, and human rights. <i>International Psychogeriatrics</i> , 2013 , 25, 1299-306	3.4	18
84	Direct visualization of a self-organized multilayer film of low T(g) diblock copolymer micelles. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 5536-41	3.4	18
83	Manipulating colloidal residue deposit from drying droplets: Air/liquid interface capture competes with coffee-ring effect. <i>Chemical Engineering Science</i> , 2017 , 167, 78-87	4.4	17
82	Probing the stability of sterically stabilized polystyrene particles by centrifugal sedimentation. <i>Soft Matter</i> , 2013 , 9, 10031	3.6	17
81	Measurement of particle concentration in horizontal, multiphase pipe flow using acoustic methods: Limiting concentration and the effect of attenuation. <i>Chemical Engineering Science</i> , 2015 , 126, 745-758	4.4	17
80	Research thrives on integration of natural and social sciences. <i>Nature</i> , 2010 , 463, 1018	50.4	17
79	Surface characterization of nanoparticles carrying pH-responsive polymer hair. <i>Polymer</i> , 2010 , 51, 6240-6247	9.9	17
78	Measuring particle concentration in multiphase pipe flow using acoustic backscatter: generalization of the dual-frequency inversion method. <i>Journal of the Acoustical Society of America</i> , 2014 , 136, 156-69	2.2	16
77	The influence of nanoparticle shape on the drying of colloidal suspensions. <i>Journal of Colloid and Interface Science</i> , 2010 , 352, 99-106	9.3	16

76	The Formation of an Irreversibly Adsorbed and Organized Micelle Layer at the Solid-Liquid Interface. <i>Nano Letters</i> , 2002 , 2, 1409-1412	11.5	16
75	Interaction forces between goethite and polymeric flocculants and their effect on the flocculation of fine goethite particles. <i>Chemical Engineering Journal</i> , 2018 , 334, 1034-1045	14.7	15
74	Influence of shape and surface charge on the sedimentation of spheroidal, cubic and rectangular cuboid particles. <i>Powder Technology</i> , 2017 , 322, 75-83	5.2	15
73	The minimum transport velocity of colloidal silica suspensions. <i>Chemical Engineering Science</i> , 2011 , 66, 2309-2316	4.4	15
72	Aging in a critical world: The search for generational intelligence. <i>Journal of Aging Studies</i> , 2008 , 22, 115-119	1.9	15
71	Measurement of the Adhesion of a Viscoelastic Sphere to a Flat Non-Compliant Substrate 2000 , 74, 125-142		15
70	Synthesis of nuclear waste simulants by reaction precipitation: Formation of caesium phosphomolybdate, zirconium molybdate and morphology modification with citratomolybdate complex. <i>Polyhedron</i> , 2015 , 89, 129-141	2.7	14
69	Defining the Perpetrator Abuse, neglect and dignity in care. <i>Journal of Adult Protection, The</i> , 2013 , 15, 5-14	0.7	14
68	The adsorption of polymerized rodlike micelles at the solid-liquid interface. <i>Langmuir</i> , 2004 , 20, 1085-944		14
67	Shear History Effects in Associative Thickener Solutions. <i>Macromolecules</i> , 1998 , 31, 7691-7697	5.5	14
66	Encapsulation of Emulsion Droplets with Metal Shells for Subsequent Remote, Triggered Release. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 12272-12282	9.5	13
65	Hollow microspheres with binary colloidal and polymeric membrane: Effect of polymer and particle concentrations. <i>Advanced Powder Technology</i> , 2010 , 21, 19-22	4.6	13
64	First steps: the UK national prevalence study of the mistreatment and abuse of older people. <i>Journal of Adult Protection, The</i> , 2006 , 8, 4-11	0.7	13
63	Adsorption of Ionic Surfactants to a Plasma Polymer Substrate. <i>Langmuir</i> , 2003 , 19, 4222-4227	4	13
62	Production of high internal phase emulsions using rising air bubbles. <i>Chemical Engineering Science</i> , 2001 , 56, 6285-6293	4.4	13
61	Polymer Molecular Weight Dependence on Lubricating Particle-Particle Interactions. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 2131-2138	3.9	12
60	The influence of system scale on impinging jet sediment erosion: Observed using novel and standard measurement techniques. <i>Chemical Engineering Research and Design</i> , 2013 , 91, 722-734	5.5	12
59	Characterising highly active nuclear waste simulants. <i>Chemical Engineering Research and Design</i> , 2013 , 91, 742-751	5.5	12

58	Behavior of pH-sensitive core shell particles at the air-water interface. <i>Langmuir</i> , 2012 , 28, 5085-92	4	12
57	Adsorption of phytosterol ethoxylates on silica in an aprotic room-temperature ionic liquid. <i>Langmuir</i> , 2011 , 27, 3244-8	4	12
56	Complex adsorption behavior of rodlike polyelectrolyte-surfactant aggregates. <i>Langmuir</i> , 2009 , 25, 4484-9	4	12
55	The formation of water-in-oil microemulsions using a concentrated saline aqueous phase. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1998 , 137, 25-33	5.1	12
54	Polymerized rodlike micelle adsorption at the solid-liquid interface. <i>Langmuir</i> , 2007 , 23, 8094-102	4	12
53	Adsorption characteristics of zwitterionic diblock copolymers at the silica/aqueous solution interface. <i>Journal of Colloid and Interface Science</i> , 2008 , 317, 383-94	9.3	12
52	Manufacture of controlled emulsions and particulates using membrane emulsification. <i>Desalination</i> , 2008 , 224, 215-220	10.3	12
51	Effects of copolymer concentration and chain length on the pH-responsive behavior of diblock copolymer micellar films. <i>Journal of Colloid and Interface Science</i> , 2006 , 303, 372-9	9.3	12
50	Metal-shell nanocapsules for the delivery of cancer drugs. <i>Journal of Colloid and Interface Science</i> , 2020 , 567, 171-180	9.3	12
49	Ultrasound-triggered release from metal shell microcapsules. <i>Journal of Colloid and Interface Science</i> , 2019 , 554, 444-452	9.3	11
48	An improved collision efficiency model for particle aggregation. <i>Journal of Chemical Physics</i> , 2006 , 125, 184906	3.9	11
47	The rheology of concentrated suspensions of depletion-flocculated latex particles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003 , 214, 173-180	5.1	11
46	In situ characterisation of a concentrated colloidal titanium dioxide settling suspension and associated bed development: Application of an acoustic backscatter system. <i>Powder Technology</i> , 2015 , 284, 530-540	5.2	10
45	Enhanced gas migration through permeable bubble networks within consolidated soft sediments. <i>AICHE Journal</i> , 2018 , 64, 4131-4147	3.6	10
44	Yield stress dependency on the evolution of bubble populations generated in consolidated soft sediments. <i>AICHE Journal</i> , 2017 , 63, 3728-3742	3.6	10
43	Direct measurement of the depletion interaction in binary solutions of polyelectrolytes. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 4172-7	3.6	10
42	Poly(styrene-b-2-vinylpyridine-1-oxide) and poly(dimethylsiloxane-b-2 vinylpyridine-1-oxide) diblock copolymers. 1. Preparation and characterisation. <i>Colloid and Polymer Science</i> , 1992 , 270, 505-510	2.4	10
41	Adsorption of Catalytic Nanoparticles onto Polymer Substrates for Controlled Deposition of Microcapsule Metal Shells. <i>Langmuir</i> , 2018 , 34, 1473-1480	4	9

40	Constraints on the functional form of the critical deposition velocity in solid-liquid pipe flow at low solid volume fractions. <i>Chemical Engineering Science</i> , 2015 , 126, 759-770	4.4	9
39	Particle-Particle Interactions: The Link between Aggregate Properties and Rheology. <i>Particulate Science and Technology</i> , 2010 , 28, 404-425	2	9
38	Manufacture of poly(methyl methacrylate) microspheres using membrane emulsification. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016 , 374,	3	9
37	In situ characterization of mixing and sedimentation dynamics in an impinging jet ballast tank via acoustic backscatter. <i>AIChE Journal</i> , 2017 , 63, 2618-2629	3.6	8
36	Understanding the Mechanisms of Gold Shell Growth onto Polymer Microcapsules to Control Shell Thickness. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 1641-1648	4.5	8
35	Particle Concentration Measurement and Flow Regime Identification in Multiphase Pipe Flow Using a Generalised Dual-frequency Inversion Method. <i>Procedia Engineering</i> , 2015 , 102, 986-995		8
34	Characterization of Bed Densification in a Laboratory Scale Thickener, by Novel Application of an Acoustic Backscatter System. <i>Procedia Engineering</i> , 2015 , 102, 858-866		8
33	Fine particle turbulence modulation. <i>AIChE Journal</i> , 2011 , 57, 1693-1699	3.6	8
32	Measurement and density normalisation of acoustic attenuation and backscattering constants of arbitrary suspensions within the Rayleigh scattering regime. <i>Applied Acoustics</i> , 2019 , 146, 9-22	3.1	8
31	Concentration profiling of a horizontal sedimentation tank utilising a bespoke acoustic backscatter array and CFD simulations. <i>Chemical Engineering Science</i> , 2020 , 218, 115560	4.4	7
30	On the predictions for diffusion-driven evaporation of sessile droplets with interface cooling. <i>Chemical Engineering Science</i> , 2018 , 177, 417-421	4.4	7
29	A two-step synthesis for preparing metal microcapsules with a biodegradable polymer substrate. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 2151-2158	7.3	7
28	Wear of a single asperity using Lateral Force Microscopy. <i>Tribology Letters</i> , 2006 , 24, 257-263	2.8	6
27	Poly(styrene-b-2-vinylpyridine-1-oxide) diblock copolymers: 3. Microemulsions in water/propan-2-ol/toluene mixtures. <i>Colloid and Polymer Science</i> , 1992 , 270, 563-573	2.4	6
26	Adsorption studies of a polymerizable surfactant by optical reflectivity and quartz crystal microbalance. <i>Langmuir</i> , 2009 , 25, 11503-8	4	5
25	Spontaneous formation of an "antidrop". <i>Langmuir</i> , 2006 , 22, 522-3	4	5
24	Observed transition from linear to non-linear friction-lubricated behavior using a lateral force microscope. <i>Applied Surface Science</i> , 2006 , 252, 4964-4968	6.7	5
23	Bi-modal hetero-aggregation rate response to particle dosage. <i>Journal of Chemical Physics</i> , 2005 , 123, 204904	3.9	5

22	Modification of a Commercial Atomic Force Microscope for Nanorheological Experiments: Adsorbed Polymer Layers. <i>Microscopy and Microanalysis</i> , 2000 , 6, 121-128	0.5	5
21	The influence of relative fluid depth on initial bedform dynamics in closed, horizontal pipe flow. <i>International Journal of Multiphase Flow</i> , 2017 , 93, 1-16	3.6	4
20	Influence of pH-Responsive Monomer Content on the Behavior of Di-Block Copolymers in Solution and as Stabilizers of Pickering Latex Particle Emulsifiers. <i>Frontiers in Chemistry</i> , 2018 , 6, 301	5	4
19	Multi-layer films of block copolymer micelles adsorbed to colloidal templates. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010 , 368, 4293-311	3	4
18	Quartz crystal microbalance as a device to measure the yield stress of colloidal suspensions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 546, 179-185	5.1	3
17	The influence of nanoparticles on polystyrene adhesion. <i>Advanced Powder Technology</i> , 2010 , 21, 13-18	4.6	3
16	Viscosity effect on the structural compactness of latex flocs formed under weak depletion attractions. <i>Journal of Colloid and Interface Science</i> , 2002 , 255, 91-7	9.3	3
15	Polymer bridging forces between a colloidal sphere and a flat plate. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1994 , 98, 636-637		3
14	A new way of assessing droplet evaporation independently of the substrate hydrophobicity and contact line mode: A case study of sessile droplets with surfactants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 577, 396-404	5.1	2
13	Using Generational Intelligence to Examine Community Care Work between Younger and Older Adults. <i>Journal of Social Work Practice</i> , 2015 , 29, 457-473	0.8	2
12	Collision efficiency factor for heteroaggregation: extension to soft interactions. <i>Journal of Chemical Physics</i> , 2008 , 128, 044913	3.9	2
11	Examining soft particulates using an atomic force microscope and a quartz crystal microbalance. <i>Advanced Powder Technology</i> , 2007 , 18, 615-629	4.6	2
10	Surfactant and Polymer Adsorption: Atomic Force Microscopy Measurements. <i>ACS Symposium Series</i> , 1996 , 255-266	0.4	2
9	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. <i>Colloid and Polymer Science</i> , 1992 , 270, 511-517	2.4	2
8	The Rheology of Oxide Dispersions and the Role of Concentrated Electrolyte Solutions 2007 ,		2
7	Investigating Adsorbing Viscoelastic Fluids Using the Quartz Crystal Microbalance. <i>ACS Omega</i> , 2020 , 5, 22081-22090	3.9	2
6	Facile synthesis of gold core-polymer shell responsive particles. <i>Journal of Colloid and Interface Science</i> , 2013 , 407, 187-95	9.3	1
5	Surfactants at the solid-liquid interface: Measurements at higher concentrations using optical reflectometry. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013 , 434, 164-170	5.1	1

- 4 The Influence of Zeta Potential and Yield Stress on the Filtration Characteristics of a Magnesium Hydroxide Simulant **2007**, 1133 1
- 3 Colloid Particles in Ink Formulations **2015**, 141-168
- 2 Nanoparticles. Preface. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2010**, 368, 4227 3
- 1 The Effect of Particle-Particle Interaction Forces on the Flow Properties of Silica Slurries **2007**, 1147