

# Peter j Scales

## List of Publications by Year in Descending Order

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

188  
papers

6,273  
citations

41  
h-index

70  
g-index

193  
ext. papers

6,792  
ext. citations

5.5  
avg, IF

5.73  
L-index

#	Paper	IF	Citations
188	Ultrasound-Assisted Extracellular Polymeric Substance Removal from the Diatom <i>Navicula</i> sp.: A Route to Functional Polysaccharides and More Efficient Algal Biorefineries. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2022</b> , 10, 1795-1804	8.3	
187	Agglomeration Regimes of Particles under a Linear Laminar Flow: A Numerical Study. <i>Mathematics</i> , <b>2022</b> , 10, 1931	2.3	
186	Strain softening of concentrated cohesive particulate suspensions prior to yield. <i>Journal of Rheology</i> , <b>2021</b> , 65, 355-370	4.1	0
185	Interplay between interfacial behaviour, cell structure and shear enables biphasic lipid extraction from whole diatom cells ( <i>Navicula</i> sp.). <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 589, 65-76	9.3	3
184	Lignite addition during anaerobic digestion of ammonium rich swine manure enhances biogas production. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 104669	6.8	8
183	Cover Image, Volume 8, Issue 2. <i>Wiley Interdisciplinary Reviews: Water</i> , <b>2021</b> , 8, e1515	5.7	
182	Passive Sampling of SARS-CoV-2 for Wastewater Surveillance. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 10432-10441	10.3	26
181	Healthy waterways and ecologically sustainable cities in Beijing-Tianjin-Hebei urban agglomeration (northern China): Challenges and future directions. <i>Wiley Interdisciplinary Reviews: Water</i> , <b>2021</b> , 8, e15005-7	5.7	5
180	Vane-in-a-Filter and Vane-under-Compressional-Loading: novel methods for the characterisation of combined shear and compression. <i>Rheologica Acta</i> , <b>2020</b> , 59, 349-363	2.3	3
179	Effect of Bulk Viscosity and Emulsion Droplet Size on the Separation Efficiency of Model Mineral Oil-in-Water (O/W) Emulsions under Ultrasonic Standing Wave Fields: A Theoretical and Experimental Investigation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 7901-7912	3.9	6
178	Nitrogen Availability and the Nature of Extracellular Organic Matter of Microalgae. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 6795-6805	3.9	9
177	Wastewater treatment using filamentous algae - A review. <i>Bioresource Technology</i> , <b>2020</b> , 298, 122556	11	46
176	Ozone combined with ceramic membranes for water treatment: Impact on HO radical formation and mitigation of bromate. <i>Journal of Environmental Management</i> , <b>2020</b> , 253, 109655	7.9	10
175	A critical control point approach to the removal of chemicals of concern from water for reuse. <i>Water Research</i> , <b>2019</b> , 160, 39-51	12.5	2
174	Rheological properties of concentrated slurries of harvested, incubated and ruptured <i>Nannochloropsis</i> sp. cells. <i>BMC Chemical Engineering</i> , <b>2019</b> , 1,	3.5	6
173	The effect of nitrogen depletion on the cell size, shape, density and gravitational settling of <i>Nannochloropsis salina</i> , <i>Chlorella</i> sp. (marine) and <i>Haematococcus pluvialis</i> . <i>Algal Research</i> , <b>2019</b> , 39, 101454	5	20
172	High pressure dewatering rolls: Comparison of a novel prototype to existing industrial technology. <i>Chemical Engineering Science</i> , <b>2019</b> , 205, 106-120	4.4	8

171	Comparison of physical characteristics and dewatering behaviour between granular and floccular sludges generated from the same sewage source. <i>Journal of Water Process Engineering</i> , <b>2019</b> , 29, 100785	6.7	7
170	Synergistic Influence of pH and Temperature on Rheological Behavior of Adhesive Emulsions Stabilized with Micelle Dispersion of an Anionic Surfactant. <i>Journal of Surfactants and Detergents</i> , <b>2019</b> , 22, 301-313	1.9	
169	Biogas Improvement by Adding Australian Zeolite During the Anaerobic Digestion of C:N Ratio Adjusted Swine Manure. <i>Waste and Biomass Valorization</i> , <b>2019</b> , 10, 1883-1887	3.2	12
168	Conversion and recovery of saponifiable lipids from microalgae using a nonpolar solvent via lipase-assisted extraction. <i>Bioresource Technology</i> , <b>2018</b> , 260, 338-347	11	19
167	Effect of Australian zeolite on methane production and ammonium removal during anaerobic digestion of swine manure. <i>Journal of Environmental Chemical Engineering</i> , <b>2018</b> , 6, 1233-1241	6.8	21
166	3D-printing of dynamic self-healing cryogels with tuneable properties. <i>Polymer Chemistry</i> , <b>2018</b> , 9, 1684-1692	4.9	37
165	Optimisation of filter design and operation for wastewater treatment sludge. <i>Separation and Purification Technology</i> , <b>2018</b> , 198, 31-37	8.3	6
164	Wastewater recycling in Antarctica: Performance assessment of an advanced water treatment plant in removing trace organic chemicals. <i>Journal of Environmental Management</i> , <b>2018</b> , 224, 122-129	7.9	13
163	Developing an anaerobic digester with external Zeolite filled column for enhancing methane production from swine manure - A feasibility study. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , <b>2018</b> , 53, 751-760	2.2	3
162	Compartmentalization of extracellular polymeric substances (EPS) solubilization and cake microstructure in relation to wastewater sludge dewatering behavior assisted by horizontal electric field: Effect of operating conditions. <i>Water Research</i> , <b>2018</b> , 130, 363-375	12.5	57
161	Removal of excess nutrients by Australian zeolite during anaerobic digestion of swine manure. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2018</b> , 53, 362-372	2.3	7
160	Predicting Transmembrane Pressure Rise from Biofouling Layer Compressibility and Permeability. <i>Chemical Engineering and Technology</i> , <b>2018</b> , 41, 51-60	2	4
159	Water quality risk management strategies for remote operations. <i>Water Science and Technology: Water Supply</i> , <b>2018</b> , 18, 482-489	1.4	1
158	Emulsifying properties of ruptured microalgae cells: Barriers to lipid extraction or promising biosurfactants?. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 170, 438-446	6	22
157	Viscoelastic behaviour of flocculated silica sediments in concentrated monovalent chloride salt solutions. <i>Minerals Engineering</i> , <b>2017</b> , 110, 131-138	4.9	14
156	Centrifugal recovery of solvent after biphasic wet extraction of lipids from a concentrated slurry of <i>Nannochloropsis</i> sp. biomass. <i>Algal Research</i> , <b>2017</b> , 24, 299-308	5	20
155	The influence of protruding filamentous bacteria on floc stability and solid-liquid separation in the activated sludge process. <i>Water Research</i> , <b>2017</b> , 123, 578-585	12.5	28
154	Simulation of phage dynamics in multi-reactor models of complex wastewater treatment systems. <i>Biochemical Engineering Journal</i> , <b>2017</b> , 122, 91-102	4.2	6

153	Small Scale Direct Potable Reuse (DPR) Project for a Remote Area. <i>Water (Switzerland)</i> , <b>2017</b> , 9, 94	3	8
152	Nitrogen deprivation of microalgae: effect on cell size, cell wall thickness, cell strength, and resistance to mechanical disruption. <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2016</b> , 43, 1671-1680	4.2	65
151	Ammonium removal from high-strength aqueous solutions by Australian zeolite. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2016</b> , 51, 614-25	2.3	7
150	Rheological manipulation of flocculated algal slurries to achieve high solids processing. <i>Algal Research</i> , <b>2016</b> , 14, 1-8	5	24
149	Assessment of pressure decay test for RO protozoa removal validation in remote operations. <i>Desalination</i> , <b>2016</b> , 386, 19-24	10.3	10
148	Computational models of populations of bacteria and lytic phage. <i>Critical Reviews in Microbiology</i> , <b>2016</b> , 42, 942-68	7.8	23
147	Influence of pre-treatment combinations on RO membrane fouling. <i>Desalination</i> , <b>2016</b> , 393, 120-126	10.3	37
146	Filter Press Performance for Fast-Filtering Compressible Suspensions. <i>Chemical Engineering and Technology</i> , <b>2016</b> , 39, 409-416	2	5
145	A new integrated potable reuse process for a small remote community in Antarctica. <i>Chemical Engineering Research and Design</i> , <b>2016</b> , 104, 196-208	5.5	12
144	Aggregate densification in the thickening of flocculated suspensions in an un-networked bed. <i>Chemical Engineering Science</i> , <b>2015</b> , 122, 585-595	4.4	20
143	Designing thickeners by matching hindered settling and gelled suspension zones in the presence of aggregate densification. <i>Chemical Engineering Science</i> , <b>2015</b> , 134, 297-307	4.4	7
142	A non-linear viscoelastic model for sediments flocculated in the presence of seawater salts. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2015</b> , 482, 500-506	5.1	14
141	Energy evaluation of algal cell disruption by high pressure homogenisation. <i>Bioresource Technology</i> , <b>2015</b> , 184, 280-285	11	88
140	The effect of premature wall yield on creep testing of strongly flocculated suspensions. <i>Rheologica Acta</i> , <b>2015</b> , 54, 337-352	2.3	21
139	Mathematical modelling of batch sedimentation subject to slow aggregate densification. <i>Chemical Engineering Science</i> , <b>2015</b> , 128, 54-63	4.4	10
138	The effects of acidic and thermal pretreatment on the mechanical rupture of two industrially relevant microalgae: <i>Chlorella</i> sp. and <i>Navicula</i> sp.. <i>Algal Research</i> , <b>2015</b> , 7, 5-10	5	21
137	The non-monotonic shear-thinning flow of two strongly cohesive concentrated suspensions. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>2015</b> , 222, 112-120	2.7	11
136	Characterization of Bed Densification in a Laboratory Scale Thickener, by Novel Application of an Acoustic Backscatter System. <i>Procedia Engineering</i> , <b>2015</b> , 102, 858-866		8

135	Compressional dewatering of flocculated mineral suspensions. <i>Canadian Journal of Chemical Engineering</i> , <b>2015</b> , 93, 549-552	2.3	2
134	Dynamic and rate-dependent yielding in model cohesive suspensions. <i>Journal of Non-Newtonian Fluid Mechanics</i> , <b>2015</b> , 221, 40-54	2.7	13
133	Quantification of wastewater sludge dewatering. <i>Water Research</i> , <b>2015</b> , 82, 2-13	12.5	98
132	Concentrated aqueous synthesis of nanoparticles using comb-graft copolymer stabilisers: the effect of stabiliser architecture. <i>RSC Advances</i> , <b>2014</b> , 4, 46876-46886	3.7	3
131	Wall adhesion and constitutive modeling of strong colloidal gels. <i>Journal of Rheology</i> , <b>2014</b> , 58, 1247-1276	4.6	14
130	Impact of seawater salts on the viscoelastic behavior of flocculated mineral suspensions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2014</b> , 461, 295-302	5.1	25
129	A mechanistic study of algal cell disruption and its effect on lipid recovery by solvent extraction. <i>Algal Research</i> , <b>2014</b> , 5, 112-120	5	68
128	Ostwald ripening of comb polymer stabilised Ag salt nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2014</b> , 459, 58-64	5.1	17
127	The effect of pH on the release of metabolites by cyanobacteria in conventional water treatment processes. <i>Harmful Algae</i> , <b>2014</b> , 39, 253-258	5.3	23
126	Effect of sodium dodecylbenzene sulfonate on the dispersion stability of ceramic glaze suspension. <i>Korean Journal of Chemical Engineering</i> , <b>2014</b> , 31, 1076-1081	2.8	2
125	Wall effects during settling in cylinders. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2014</b> , 449, 157-169	5.1	5
124	Concentrated synthesis of metal nanoparticles in water. <i>RSC Advances</i> , <b>2014</b> , 4, 31914-31925	3.7	11
123	Effects of aggregate densification upon thickening of Kynchian suspensions. <i>Chemical Engineering Science</i> , <b>2014</b> , 111, 56-72	4.4	7
122	Compressive Strength and Capillary Pressure: Competing Properties of Particulate Suspensions that Determine the Onset of Desaturation. <i>Drying Technology</i> , <b>2014</b> , 32, 1614-1620	2.6	8
121	Lipid profile remodeling in response to nitrogen deprivation in the microalgae <i>Chlorella</i> sp. ( <i>Trebouxiophyceae</i> ) and <i>Nannochloropsis</i> sp. ( <i>Eustigmatophyceae</i> ). <i>PLoS ONE</i> , <b>2014</b> , 9, e103389	3.7	91
120	A quantitative analysis of microalgal lipids for optimization of biodiesel and omega-3 production. <i>Biotechnology and Bioengineering</i> , <b>2013</b> , 110, 2096-104	4.9	84
119	Dry stacking of wastewater treatment sludges. <i>Water Research</i> , <b>2013</b> , 47, 3534-42	12.5	8
118	Yield and flow measurement of fine and coarse binary particulate mineral slurries. <i>International Journal of Mineral Processing</i> , <b>2013</b> , 119, 6-15		4

117	Quantitative evaluation of the ease of rupture of industrially promising microalgae by high pressure homogenization. <i>Bioresource Technology</i> , <b>2013</b> , 140, 165-71	11	93
116	Pseudo two-dimensional modeling of sediment build-up in centrifuges: A compartment approach using compressional rheology. <i>AIChE Journal</i> , <b>2013</b> , 59, 3843-3855	3.6	14
115	Characterisation of dewaterability from equilibrium and transient centrifugation test data. <i>Chemical Engineering Science</i> , <b>2013</b> , 93, 277-291	4.4	32
114	Pathogen reduction requirements for direct potable reuse in Antarctica: evaluating human health risks in small communities. <i>Science of the Total Environment</i> , <b>2013</b> , 461-462, 723-33	10.2	41
113	Low solvent, low temperature method for extracting biodiesel lipids from concentrated microalgal biomass. <i>Bioresource Technology</i> , <b>2013</b> , 148, 615-9	11	64
112	Critical analysis of quantitative indicators of cell disruption applied to <i>Saccharomyces cerevisiae</i> processed with an industrial high pressure homogenizer. <i>Biochemical Engineering Journal</i> , <b>2013</b> , 70, 120-126	4.26	38
111	Behaviour of cyanobacterial bloom material following coagulation and/or sedimentation <b>2013</b> , 62, 350-358		10
110	The Oxide-Water Interface: How Valid Is the Site Dissociation Surface Equilibria Model?. <i>Chemistry Letters</i> , <b>2012</b> , 41, 1020-1022	1.7	1
109	Viscoelasticity of coagulated alumina suspensions <b>2012</b> , 24, 105-111		17
108	The Development and Applications of Microbubble Generators Especially for Wastewater Treatment. <i>Advanced Materials Research</i> , <b>2012</b> , 518-523, 2891-2894	0.5	2
107	Compressibility of biotic sludges – An osmotic approach. <i>Chemical Engineering Journal</i> , <b>2011</b> , 166, 678-686	4.7	7
106	Aggregate densification and batch settling. <i>Chemical Engineering Journal</i> , <b>2011</b> , 171, 141-151	14.7	41
105	Models of rotary vacuum drum and disc filters for flocculated suspensions. <i>AIChE Journal</i> , <b>2011</b> , 57, 951-961	3.61	9
104	Closed-form solutions for batch settling height from model settling flux functions. <i>Chemical Engineering Science</i> , <b>2011</b> , 66, 964-972	4.4	19
103	Effects of solvency and interfacial nanobubbles on surface forces and bubble attachment at solid surfaces. <i>Langmuir</i> , <b>2011</b> , 27, 2484-91	4	40
102	Influence of dispersant size on rheology of non-aqueous ceramic particle suspensions. <i>Advanced Powder Technology</i> , <b>2011</b> , 22, 476-481	4.6	13
101	Assessing dewatering performance of drinking water treatment sludges. <i>Water Research</i> , <b>2010</b> , 44, 1542-1552	5.2	17
100	Experimental validation of a 1-D continuous thickening model using a pilot column. <i>Chemical Engineering Science</i> , <b>2010</b> , 65, 3937-3946	4.4	17

99	Macroscopic dynamics of flocculated colloidal suspensions. <i>Chemical Engineering Science</i> , <b>2010</b> , 65, 6362-6378	4.4	16
98	One-dimensional model of vacuum filtration of compressible flocculated suspensions. <i>AIChE Journal</i> , <b>2010</b> , 56, 2622-2631	3.6	9
97	Semi-empirical full cycle optimisation of fill, squeeze and blow plate and frame pressure filters. <i>Chemical Engineering Science</i> , <b>2010</b> , 65, 2700-2706	4.4	2
96	The effect of shear on gravity thickening: Pilot scale modelling. <i>Chemical Engineering Science</i> , <b>2010</b> , 65, 4293-4301	4.4	25
95	A centrifugation method for the assessment of low pressure compressibility of particulate suspensions. <i>Chemical Engineering Journal</i> , <b>2009</b> , 148, 405-413	14.7	33
94	Investigating the influence of total electrolyte concentration and sodium/calcium ion competition on controlled dispersion of swelling clays. <i>International Journal of Mineral Processing</i> , <b>2009</b> , 93, 95-102		6
93	Theoretical analysis of aggregate densification: Impact on thickener performance. <i>Chemical Engineering Journal</i> , <b>2009</b> , 151, 202-208	14.7	45
92	The influence of ionic strength and osmotic pressure on the dewatering behaviour of sewage sludge. <i>Chemical Engineering Science</i> , <b>2009</b> , 64, 2448-2454	4.4	29
91	Effect of coagulation conditions on the dewatering properties of sludges produced in drinking water treatment. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2009</b> , 348, 14-23	5.1	27
90	Numerical modeling of flexible-membrane plate-and-frame filtration. <i>AIChE Journal</i> , <b>2008</b> , 54, 464-474	3.6	14
89	The effect of temperature on the yield stress of mineral suspensions. <i>Journal of Colloid and Interface Science</i> , <b>2008</b> , 328, 187-193	9.3	17
88	A simplified parameter extraction technique using batch settling data to estimate suspension material properties in dewatering applications. <i>Chemical Engineering Science</i> , <b>2008</b> , 63, 1971-1986	4.4	22
87	Fundamental dewatering properties of wastewater treatment sludges from filtration and sedimentation testing. <i>Chemical Engineering Science</i> , <b>2008</b> , 63, 5283-5290	4.4	40
86	The role of natural organic matter in suspension stability: 1. Electrokinetic/rheology relationships. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2007</b> , 295, 38-48	5.1	15
85	The role of natural organic matter in suspension stability: 2. Modelling of particle-particle interaction. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2007</b> , 295, 67-74	5.1	13
84	An overview of the advantages and disadvantages of the determination of gold mineralogy by automated mineralogy. <i>Minerals Engineering</i> , <b>2007</b> , 20, 506-517	4.9	50
83	Scaling filtration time initial dependencies of wastewater sludges. <i>Water Research</i> , <b>2007</b> , 41, 206-16	12.5	6
82	The bucket rheometer for shear stress-shear rate measurement of industrial suspensions. <i>Journal of Rheology</i> , <b>2007</b> , 51, 821-831	4.1	36



81	Numerical modelling of fixed-cavity plate-and-frame filtration: Formulation, validation and optimisation. <i>Chemical Engineering Science</i> , <b>2006</b> , 61, 3818-3829	4.4	26
80	Prediction of transient bed height in batch sedimentation at large times. <i>AIChE Journal</i> , <b>2006</b> , 52, 986-993	3.6	14
79	Dewatering of water treatment plant sludges. <i>Interface Science and Technology</i> , <b>2006</b> , 225-243	2.3	
78	Measurement Errors in Yield Stress Rheometry that Arise from Torque Auto Zero. <i>Applied Rheology</i> , <b>2006</b> , 16, 206-209	1.2	5
77	Electrically enhanced dewatering (EED) of particulate suspensions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2006</b> , 290, 194-205	5.1	16
76	Modeling of solid-bowl batch centrifugation of flocculated suspensions. <i>AIChE Journal</i> , <b>2006</b> , 52, 1351-1362	3.6	25
75	Understanding the Thickening Process <b>2006</b> ,		5
74	Adsorption of organic matter at mineral/water interfaces. 6. Effect of inner-sphere versus outer-sphere adsorption on colloidal stability. <i>Langmuir</i> , <b>2005</b> , 21, 6356-65	4	61
73	Contaminated water treatment in cold regions: an example of coagulation and dewatering modelling in Antarctica. <i>Cold Regions Science and Technology</i> , <b>2005</b> , 41, 61-72	3.8	13
72	Effect of Shear on Particulate Suspension Dewatering. <i>Chemical Engineering Research and Design</i> , <b>2005</b> , 83, 933-936	5.5	38
71	Applications of PIXE and diagnostic leaching in the characterisation of complex gold ores. <i>Minerals Engineering</i> , <b>2005</b> , 18, 1010-1019	4.9	13
70	The use of QEMSCAN and diagnostic leaching in the characterisation of visible gold in complex ores. <i>Minerals Engineering</i> , <b>2005</b> , 18, 877-886	4.9	78
69	A new method for determination of preg-robbing in gold ores. <i>Minerals Engineering</i> , <b>2005</b> , 18, 1135-1141	4.9	17
68	Estimation of the hindered settling function $R(?)$ from batch-settling tests. <i>AIChE Journal</i> , <b>2005</b> , 51, 1158-1168	3.6	72
67	Nontraditional constant pressure filtration behavior. <i>AIChE Journal</i> , <b>2005</b> , 51, 2481-2488	3.6	28
66	Steady state thickener modelling from the compressive yield stress and hindered settling function. <i>Chemical Engineering Journal</i> , <b>2005</b> , 111, 253-261	14.7	63
65	Dewatering behaviour of water treatment sludges associated with contaminated site remediation in Antarctica. <i>Chemical Engineering Science</i> , <b>2005</b> , 60, 6835-6843	4.4	18
64	Fundamental dewatering characteristics of potable water treatment sludges <b>2004</b> , 53, 29-36		13



63	Effect of temperature on the dewaterability of hematite suspensions. <i>International Journal of Mineral Processing</i> , <b>2004</b> , 73, 269-279		21
62	Adhesive forces between adsorbed anionic polyelectrolyte layers in high ionic strength solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2004</b> , 247, 19-25	5.1	28
61	Investigation of adsorbed humic substances using atomic force microscopy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2004</b> , 248, 17-23	5.1	34
60	The effect of alum dose on the consolidation behaviour of coagulated clay dispersions <b>2004</b> , 53, 545-552		3
59	The fundamentals of wastewater sludge characterization and filtration. <i>Water Science and Technology</i> , <b>2004</b> , 49, 67-72	2.2	
58	PAA/PEO comb polymer effects on rheological properties and inter-particle forces in aqueous silica suspensions. <i>Journal of Colloid and Interface Science</i> , <b>2003</b> , 262, 274-81	9.3	69
57	Particulate hematite diffusion in sodium polyacrylate solutions. The effect of ionic strength. <i>Journal of Colloid and Interface Science</i> , <b>2002</b> , 247, 303-9	9.3	1
56	Modeling of the Consolidation Stage in Pressure Filtration of Compressible Cakes. <i>Journal of Colloid and Interface Science</i> , <b>2002</b> , 256, 216-222	9.3	18
55	Solvent Quality Dependent Interactions and Phase Behavior of Polystyrene Particles with Physisorbed PEOBPOBEO. <i>Langmuir</i> , <b>2002</b> , 18, 1474-1484	4	23
54	Insights into sample preparation for dielectric response measurements. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2001</b> , 194, 271-286	5.1	5
53	The Adsorption of Dodecyltrimethylammonium Bromide on Mica in Aqueous Solution Studied by X-Ray Diffraction and Atomic Force Microscopy. <i>Journal of Colloid and Interface Science</i> , <b>2001</b> , 235, 350-357	9.3	20
52	Validation of a new filtration technique for dewaterability characterization. <i>AIChE Journal</i> , <b>2001</b> , 47, 1561-1570	3.6	83
51	Rapid filtration measurement of dewatering design and optimization parameters. <i>AIChE Journal</i> , <b>2001</b> , 47, 1758-1769	3.6	97
50	Chemical and physical control of the rheology of concentrated metal oxide suspensions. <i>Chemical Engineering Science</i> , <b>2001</b> , 56, 2901-2920	4.4	207
49	Sol-Gel Transitions in Aqueous Suspensions of Synthetic Takovites. The Role of Hydration Properties and Anisotropy. <i>Langmuir</i> , <b>2001</b> , 17, 2100-2105	4	22
48	Surface chemistry-rheology relationships in concentrated mineral suspensions. <i>International Journal of Mineral Processing</i> , <b>2000</b> , 58, 267-304		252
47	Use of a superthickener device to concentrate potable water sludge. <i>Water Research</i> , <b>2000</b> , 34, 288-294	12.5	9
46	The Influence of Surface Chemistry on the Rheology and Flow of Flocculated Particulate Suspensions. <i>Mineral Processing and Extractive Metallurgy Review</i> , <b>2000</b> , 20, 27-40	3.1	5

45	An Electrokinetic Study of the Adsorption of Dodecyl Ammonium Amine Surfactants at the Muscovite Mica/Water Interface. <i>Langmuir</i> , <b>2000</b> , 16, 690-694	4	30
44	The electrokinetic and shear yield stress properties of kaolinite in the presence of aluminium ions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>1999</b> , 146, 281-291	5.1	44
43	Interaction forces between $\alpha$ -alumina fibres in aqueous electrolyte measured with an atomic force microscope. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>1999</b> , 146, 123-137	5.1	30
42	Effect of Adsorbed Surfactants on the Rheology of Colloidal Zirconia Suspensions. <i>Langmuir</i> , <b>1999</b> , 15, 20-26	4	34
41	Reply to Comments on "The Binding of Monovalent Electrolyte Ions on $\alpha$ -Alumina. I. Electroacoustic Studies at High Electrolyte Concentrations" <i>Langmuir</i> , <b>1999</b> , 15, 8935-8936	4	7
40	The yield stress of concentrated flocculated suspensions of size distributed particles. <i>Journal of Rheology</i> , <b>1999</b> , 43, 651-671	4.1	137
39	The Binding of Monovalent Electrolyte Ions on $\alpha$ -Alumina. II. The Shear Yield Stress of Concentrated Suspensions. <i>Langmuir</i> , <b>1999</b> , 15, 2844-2853	4	52
38	The Binding of Monovalent Electrolyte Ions on $\alpha$ -Alumina. I. Electroacoustic Studies at High Electrolyte Concentrations. <i>Langmuir</i> , <b>1999</b> , 15, 2836-2843	4	93
37	Ion-Specific Strength of Attractive Particle Networks. <i>Langmuir</i> , <b>1999</b> , 15, 4411-4420	4	90
36	Shear yield stress of partially flocculated colloidal suspensions. <i>AIChE Journal</i> , <b>1998</b> , 44, 538-544	3.6	161
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33	Electrostatic Properties of Polyelectrolyte Modified Surfaces Studied by Direct Force Measurement. <i>Langmuir</i> , <b>1998</b> , 14, 6948-6955	4	35
32	Effects of Particle Alignment on the Flow Properties of an Expandable Mica in Na <sub>5</sub> P <sub>3</sub> O <sub>10</sub> and K <sub>4</sub> P <sub>2</sub> O <sub>7</sub> Solutions. <i>Langmuir</i> , <b>1997</b> , 13, 6393-6399	4	5
31	Electrokinetic and Direct Force Measurements between Silica and Mica Surfaces in Dilute Electrolyte Solutions. <i>Langmuir</i> , <b>1997</b> , 13, 2207-2214	4	241
30	X-ray Diffraction and Rheology Study of Highly Ordered Clay Platelet Alignment in Aqueous Solutions of Sodium Tripolyphosphate. <i>Langmuir</i> , <b>1997</b> , 13, 2440-2446	4	34
29	Yield stress of suspensions loaded with size distributed particles. <i>AIChE Journal</i> , <b>1997</b> , 43, 1171-1179	3.6	81
28	Improving clay-based tailings disposal: Case study on coal tailings. <i>AIChE Journal</i> , <b>1997</b> , 43, 1894-1903	3.6	56

27	Interparticle Forces Arising from Adsorbed Surfactants in Colloidal Suspensions: An Additional Attractive Force. <i>Journal of Colloid and Interface Science</i> , <b>1996</b> , 181, 605-612	9.3	41
26	Mobility of protein through a porous membrane. <i>Journal of Membrane Science</i> , <b>1996</b> , 119, 47-58	9.6	48
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24	Effect of Particle Size on Colloidal Zirconia Rheology at the Isoelectric Point. <i>Journal of the American Ceramic Society</i> , <b>1995</b> , 78, 2209-2212	3.8	92
23	Scale-up procedures and test methods in filtration: a test case on kaolin plant data. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>1995</b> , 103, 1-10	5.1	24
22	Electrical double layer properties of hexadecyltrimethylammonium chloride surfaces in aqueous solution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>1995</b> , 103, 195-206	5.1	21
21	High-Frequency Dielectric Response of Highly Charged Sulfonate Latices. <i>Langmuir</i> , <b>1995</b> , 11, 1553-1558	4	22
20	An Electrophoretic Investigation of the Relaxation Term in Electrokinetic Theory. <i>Langmuir</i> , <b>1995</b> , 11, 1112-1115	4	17
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9	Spectroscopic and electrokinetic study of the pH-dependent ionization of Langmuir-Blodgett films. 2. <i>Langmuir</i> , <b>1992</b> , 8, 217-221	4	3
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