

# John Ralston

## List of Publications by Year in descending order

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303  
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18,668  
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7568

77  
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304  
docs citations

304  
times ranked

12326  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Layering of Fluorinated Ionic Liquids at a Charged Sapphire (0001) Surface. <i>Science</i> , 2008, 322, 424-428.	12.6	576
2	Differential Capacitance of the Electrical Double Layer in Imidazolium-Based Ionic Liquids: Influence of Potential, Cation Size, and Temperature. <i>Journal of Physical Chemistry C</i> , 2008, 112, 7486-7495.	3.1	449
3	Functionalized gold nanoparticles: Synthesis, structure and colloid stability. <i>Journal of Colloid and Interface Science</i> , 2009, 331, 251-262.	9.4	351
4	The limits of fine particle flotation. <i>Minerals Engineering</i> , 2010, 23, 420-437.	4.3	304
5	Differential capacitance of the double layer at the electrode/ionic liquids interface. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 12499.	2.8	284
6	Very Small Bubble Formation at the Solid-Water Interface. <i>Journal of Physical Chemistry B</i> , 2003, 107, 6139-6147.	2.6	277
7	Particle-bubble collision models a review. <i>Advances in Colloid and Interface Science</i> , 2000, 85, 231-256.	14.7	274
8	High-resolution in situ x-ray study of the hydrophobic gap at the water-octadecyl-trichlorosilane interface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 18401-18404.	7.1	252
9	Surface and Capillary Forces Affecting Air Bubble-Particle Interactions in Aqueous Electrolyte. <i>Langmuir</i> , 1996, 12, 3721-3727.	3.5	250
10	Bubble-particle attachment and detachment in flotation. <i>International Journal of Mineral Processing</i> , 1999, 56, 133-164.	2.6	231
11	Electrowetting: a model for contact-angle saturation. <i>Colloid and Polymer Science</i> , 2000, 278, 789-793.	2.1	213
12	Contact Angle Saturation in Electrowetting. <i>Journal of Physical Chemistry B</i> , 2005, 109, 6268-6275.	2.6	205
13	The influence of particle size and contact angle in mineral flotation. <i>International Journal of Mineral Processing</i> , 1988, 23, 1-24.	2.6	187
14	Investigation of the effect of polymer structure type on flocculation, rheology and dewatering behaviour of kaolinite dispersions. <i>International Journal of Mineral Processing</i> , 2003, 71, 247-268.	2.6	185
15	Angle-resolved X-ray photoelectron spectroscopy of the surface of imidazolium ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 1330.	2.8	185
16	Bubble particle heterocoagulation under turbulent conditions. <i>Journal of Colloid and Interface Science</i> , 2003, 265, 141-151.	9.4	162
17	Effect of oxidation on the collectorless flotation of chalcopyrite. <i>International Journal of Mineral Processing</i> , 1997, 49, 31-48.	2.6	160
18	The Inertial Hydrodynamic Interaction of Particles and Rising Bubbles with Mobile Surfaces. <i>Journal of Colloid and Interface Science</i> , 1998, 197, 275-292.	9.4	160

#	ARTICLE	IF	CITATIONS
19	Reversible Wettability of Photoresponsive Pyrimidine-Coated Surfaces. <i>Langmuir</i> , 1999, 15, 8923-8928.	3.5	158
20	Zeta potential study of the oxidation of copper sulfide minerals. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999, 146, 113-121.	4.7	152
21	On modelling of bubble-particle attachment probability in flotation. <i>International Journal of Mineral Processing</i> , 1998, 53, 225-249.	2.6	144
22	Influence of the Electrical Double Layer in Electrowetting. <i>Journal of Physical Chemistry B</i> , 2003, 107, 1163-1169.	2.6	144
23	The terminal rise velocity of 10 <sup>-6</sup> -100 $\frac{1}{4}$ m diameter bubbles in water. <i>Journal of Colloid and Interface Science</i> , 2008, 322, 168-172.	9.4	144
24	An electrokinetic study of pyrite oxidation. <i>Colloids and Surfaces</i> , 1992, 62, 63-73.	0.9	141
25	Atomic force microscopy and direct surface force measurements (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2005, 77, 2149-2170.	1.9	140
26	Investigations of microemulsions by light scattering and neutron scattering. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1981, 77, 2585.	1.0	139
27	Wettability of Photoresponsive Titanium Dioxide Surfaces. <i>Langmuir</i> , 2003, 19, 3272-3275.	3.5	138
28	Electrowetting of Ionic Liquids. <i>Journal of the American Chemical Society</i> , 2006, 128, 3098-3101.	13.7	138
29	Particle-Bubble Attachment in Mineral Flotation. <i>Journal of Colloid and Interface Science</i> , 1999, 217, 70-76.	9.4	136
30	Polymer depressants at the talc-water interface: adsorption isotherm, microflotation and electrokinetic studies. <i>International Journal of Mineral Processing</i> , 2002, 67, 211-227.	2.6	134
31	Temperature influence of nonionic polyethylene oxide and anionic polyacrylamide on flocculation and dewatering behavior of kaolinite dispersions. <i>Journal of Colloid and Interface Science</i> , 2004, 271, 145-156.	9.4	130
32	Contact Line Pinning on Microstructured Surfaces for Liquids in the Wenzel State. <i>Langmuir</i> , 2010, 26, 860-865.	3.5	127
33	An in situ ATR-FTIR study of polyacrylamide adsorption at the talc surface. <i>Journal of Colloid and Interface Science</i> , 2006, 297, 54-61.	9.4	125
34	Experimental investigations of the wettability of clays and shales. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	125
35	Oxidation of Galena Surfaces. <i>Journal of Colloid and Interface Science</i> , 1994, 164, 333-344.	9.4	123
36	Control of grinding conditions in the flotation of chalcopyrite and its separation from pyrite. <i>International Journal of Mineral Processing</i> , 2003, 69, 87-100.	2.6	123

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37	In Situ Particle Film ATR FTIR Spectroscopy of Carboxymethyl Cellulose Adsorption on Talc: Binding Mechanism, pH Effects, and Adsorption Kinetics. <i>Langmuir</i> , 2008, 24, 8036-8044.	3.5	121
38	Dynamics of Capillary-Driven Flow in Open Microchannels. <i>Journal of Physical Chemistry C</i> , 2011, 115, 18761-18769.	3.1	120
39	Thermally- and Photoinduced Changes in the Water Wettability of Low-Surface-Area Silica and Titania. <i>Langmuir</i> , 2005, 21, 2400-2407.	3.5	118
40	Phoretic motion of spheroidal particles due to self-generated solute gradients. <i>European Physical Journal E</i> , 2010, 31, 351-367.	1.6	117
41	The Limits of Fine and Coarse Particle Flotation. <i>Canadian Journal of Chemical Engineering</i> , 2007, 85, 739-747.	1.7	116
42	Pentlandite-zincite interactions and implications for their separation by flotation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 252, 207-212.	4.7	114
43	Elementary steps in particle-bubble attachment. <i>International Journal of Mineral Processing</i> , 1997, 51, 183-195.	2.6	110
44	Wetting film stability and flotation kinetics. <i>Advances in Colloid and Interface Science</i> , 2002, 95, 145-236.	14.7	110
45	Microfluidic polymer multilayer adsorption on liquid crystal droplets for microcapsule synthesis. <i>Lab on A Chip</i> , 2008, 8, 2182.	6.0	107
46	Dynamics of Wetting from an Experimental Point of View. <i>Annual Review of Materials Research</i> , 2008, 38, 23-43.	9.3	102
47	The influence of dissolved gas on the interactions between surfaces of different hydrophobicity in aqueous media Part I. Measurement of interaction forces. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 2793-2798.	2.8	101
48	Forced Liquid Movement on Low Energy Surfaces. <i>Journal of Colloid and Interface Science</i> , 1993, 159, 429-438.	9.4	100
49	Calculation of the flotation rate constant of chalcopyrite particles in an ore. <i>International Journal of Mineral Processing</i> , 2003, 72, 227-237.	2.6	100
50	The influence of topography on dynamic wetting. <i>Advances in Colloid and Interface Science</i> , 2014, 206, 275-293.	14.7	98
51	Contact angles on particles and plates. <i>Colloids and Surfaces</i> , 1987, 27, 57-64.	0.9	96
52	STM and XPS investigation of reaction of galena in air. <i>Applied Surface Science</i> , 1993, 64, 29-39.	6.1	96
53	Influence of hydrolyzable metal ions on the interfacial chemistry, particle interactions, and dewatering behavior of kaolinite dispersions. <i>Journal of Colloid and Interface Science</i> , 2003, 261, 349-359.	9.4	96
54	The Effect of Surface Modification by an Organosilane on the Electrochemical Properties of Kaolinite. <i>Clays and Clay Minerals</i> , 1994, 42, 123-136.	1.3	95

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55	Adhesion of Iron Oxide to Silica Studied by Atomic Force Microscopy. <i>Journal of Colloid and Interface Science</i> , 1996, 180, 329-338.	9.4	94
56	Flocculation and dewatering behaviour of smectite dispersions: effect of polymer structure type. <i>Minerals Engineering</i> , 2004, 17, 411-423.	4.3	94
57	Capillary Rise with Velocity-Dependent Dynamic Contact Angle. <i>Langmuir</i> , 2008, 24, 12710-12716.	3.5	94
58	The adsorption of a polysaccharide at the talc-aqueous solution interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1998, 139, 27-40.	4.7	92
59	Cu(II) and Ni(II) activation in the flotation of quartz, lizardite and chlorite. <i>International Journal of Mineral Processing</i> , 2005, 76, 75-81.	2.6	92
60	Control of grinding conditions in the flotation of galena and its separation from pyrite. <i>International Journal of Mineral Processing</i> , 2003, 70, 67-82.	2.6	89
61	The interaction between particles and bubbles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999, 151, 3-14.	4.7	88
62	Effect of adding anionic surfactant on the stability of Pickering emulsions. <i>Journal of Colloid and Interface Science</i> , 2009, 329, 173-181.	9.4	88
63	Effect of polyphosphate and naphthalene sulfonate formaldehyde condensate on the rheological properties of dewatered tailings and cemented paste backfill. <i>Minerals Engineering</i> , 2006, 19, 28-36.	4.3	87
64	Dynamic Wetting and Dewetting of a Low-Energy Surface by Pure Liquids. <i>Langmuir</i> , 1998, 14, 7047-7051.	3.5	86
65	Characterisation of sphalerite and pyrite flotation samples by XPS and ToF-SIMS. <i>International Journal of Mineral Processing</i> , 2003, 70, 205-219.	2.6	86
66	Interfacial displacement of nanoparticles by surfactant molecules in emulsions. <i>Journal of Colloid and Interface Science</i> , 2010, 349, 537-543.	9.4	86
67	Orientation and mutual location of ions at the surface of ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 13816.	2.8	86
68	The wetting of angular quartz particles: Capillary pressure and contact angles. <i>Colloids and Surfaces</i> , 1990, 44, 299-313.	0.9	85
69	Interaction of thionocarbamate and thiourea collectors with sulphide minerals: a flotation and adsorption study. <i>International Journal of Mineral Processing</i> , 1997, 50, 227-242.	2.6	85
70	Effect of surface oxide/hydroxide products on the collectorless flotation of copper-activated sphalerite. <i>International Journal of Mineral Processing</i> , 2006, 78, 231-237.	2.6	85
71	Static and Dynamic Electrowetting of an Ionic Liquid in a Solid/Liquid/Liquid System. <i>Journal of the American Chemical Society</i> , 2010, 132, 8301-8308.	13.7	84
72	Shear-induced coalescence of oil-in-water Pickering emulsions. <i>Journal of Colloid and Interface Science</i> , 2011, 361, 170-177.	9.4	84

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73	Surface broken bonds: An efficient way to assess the surface behaviour of fluorite. <i>Minerals Engineering</i> , 2019, 130, 15-23.	4.3	84
74	Surface Forces between Spherical ZnS Particles in Aqueous Electrolyte. <i>Langmuir</i> , 1996, 12, 3783-3788.	3.5	83
75	The hydrophobic force in flotation-a critique. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2001, 192, 39-51.	4.7	82
76	Electrokinetic properties of methylated quartz capillaries. <i>Advances in Colloid and Interface Science</i> , 2002, 96, 265-278.	14.7	82
77	The interaction of linear polyphosphates with titanium dioxide surfaces. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 2985-2992.	2.8	79
78	Dynamics of Partial Wetting and Dewetting in Well-Defined Systems. <i>Journal of Physical Chemistry B</i> , 2003, 107, 1634-1645.	2.6	77
79	Selective depression of pyrite with polyacrylamide polymers. <i>International Journal of Mineral Processing</i> , 2001, 61, 13-22.	2.6	75
80	Water and ice in contact with octadecyl-trichlorosilane functionalized surfaces: A high resolution x-ray reflectivity study. <i>Journal of Chemical Physics</i> , 2008, 128, 244705.	3.0	75
81	Activation of zinc sulphide with CuII, CdII and PbII: I. Activation in weakly acidic media. <i>International Journal of Mineral Processing</i> , 1980, 7, 175-201.	2.6	74
82	Eh and its consequences in sulphide mineral flotation. <i>Minerals Engineering</i> , 1991, 4, 859-878.	4.3	74
83	Controlled methylation of quartz particles. <i>Colloids and Surfaces</i> , 1985, 15, 101-118.	0.9	73
84	The collectorless flotation and separation of sulphide minerals by Eh control. <i>International Journal of Mineral Processing</i> , 1988, 23, 55-84.	2.6	73
85	Copper(II) activation and cyanide deactivation of zinc sulphide under mildly alkaline conditions. <i>Applied Surface Science</i> , 1997, 108, 333-344.	6.1	73
86	Effect of oil soluble surfactant in emulsions stabilised by clay particles. <i>Journal of Colloid and Interface Science</i> , 2008, 323, 410-419.	9.4	73
87	Colloid Stability and the Influence of Dissolved Gas. <i>Journal of Physical Chemistry B</i> , 2003, 107, 2986-2994.	2.6	72
88	Electrochemistry of the boehmite-water interface. <i>Colloids and Surfaces</i> , 1990, 51, 389-403.	0.9	71
89	Bubble-particle attachment. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1995, 91, 1997-2001.	1.7	70
90	Recovery mechanisms for pentlandite and MgO-bearing gangue minerals in nickel ores from Western Australia. <i>Minerals Engineering</i> , 1997, 10, 775-786.	4.3	70

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91	Flotation of sphalerite and pyrite in the presence of sodium sulfite. International Journal of Mineral Processing, 2001, 63, 17-28.	2.6	69
92	Asymmetric Wetting Hysteresis on Hydrophobic Microstructured Surfaces. Langmuir, 2009, 25, 5655-5660.	3.5	69
93	The effect of polysaccharides and polyacrylamides on the depression of talc and the flotation of sulphide minerals. Minerals Engineering, 2006, 19, 598-608.	4.3	68
94	Oxidation of Synthetic and Natural Samples of Enargite and Tennantite: X-ray Photoelectron Spectroscopic Study. Langmuir, 1999, 15, 4530-4536.	3.5	67
95	Influence of adsorbed polysaccharides and polyacrylamides on talc flotation. International Journal of Mineral Processing, 2006, 78, 238-249.	2.6	67
96	Oxidation of Galena. Journal of Colloid and Interface Science, 1994, 164, 345-354.	9.4	65
97	Foaming of polypropylene glycols and glycol/MIBC mixtures. Minerals Engineering, 2005, 18, 179-188.	4.3	65
98	Influence of electrochemical environment on the flotation behaviour of Mt. Isa copper and lead-zinc ore. International Journal of Mineral Processing, 1990, 30, 69-97.	2.6	64
99	Ultraviolet-visible spectroscopic study of the kinetics of adsorption of ethyl xanthate on pyrite. Journal of Colloid and Interface Science, 1991, 143, 440-450.	9.4	64
100	Effect of collectors, conditioning pH and gases in the separation of sphalerite from pyrite. Minerals Engineering, 1998, 11, 145-158.	4.3	64
101	Cells as Factories for Humanized Encapsulation. Nano Letters, 2011, 11, 2152-2156.	9.1	64
102	Iron hydroxide complexes and their influence on the interaction between ethyl xanthate and pyrite. Journal of Colloid and Interface Science, 1992, 151, 225-235.	9.4	62
103	Aqueous film drainage at the quartz/water/air interface. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 817.	1.7	62
104	Influence of very small bubbles on particle/bubble heterocoagulation. Journal of Colloid and Interface Science, 2006, 301, 168-175.	9.4	60
105	Contact angle and surface analysis studies of sphalerite particles. Minerals Engineering, 1996, 9, 727-741.	4.3	59
106	Contact Angle Studies of Galena Particles. Journal of Colloid and Interface Science, 1995, 172, 302-310.	9.4	58
107	Contact angles on charged substrates. Colloids and Surfaces, 1989, 36, 69-76.	0.9	57
108	A Mobile Gas-Water Interface in Electrolyte Solutions. Journal of Physical Chemistry C, 2008, 112, 15094-15097.	3.1	57

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109	Activation of zinc sulphide with CuII, CdII and PbII: II. Activation in neutral and weakly alkaline media. International Journal of Mineral Processing, 1980, 7, 203-217.	2.6	56
110	Separation of enargite and tennantite from non-arsenic copper sulfide minerals by selective oxidation or dissolution. International Journal of Mineral Processing, 2001, 61, 109-119.	2.6	56
111	Collectorless Flotation of Sulphide Minerals. Mineral Processing and Extractive Metallurgy Review, 1987, 2, 203-234.	5.0	55
112	Electrically Induced Changes in Dynamic Wettability. Langmuir, 2000, 16, 2924-2927.	3.5	55
113	Microfluidic extraction of copper from particle-laden solutions. International Journal of Mineral Processing, 2011, 98, 168-173.	2.6	55
114	The chemistry of galena flotation: Principles & practice. Minerals Engineering, 1994, 7, 715-735.	4.3	54
115	A study of the removal of oxidation products from sulfide mineral surfaces. Minerals Engineering, 1995, 8, 1347-1357.	4.3	54
116	Interfacial chemistry, particle interactions and improved dewatering behaviour of smectite clay dispersions. International Journal of Mineral Processing, 2005, 75, 155-171.	2.6	54
117	Asymmetric Wetting Hysteresis on Chemical Defects. Physical Review Letters, 2007, 99, 026103.	7.8	54
118	The molecular-kinetic theory of wetting. Langmuir, 1994, 10, 340-342.	3.5	53
119	Properties of Fatty Amine-Silica Nanoparticle Interfacial Layers at the Hexane-Water Interface. Journal of Physical Chemistry C, 2012, 116, 3050-3058.	3.1	53
120	Influence of adsorbed gas at liquid/solid interfaces on heterogeneous cavitation. Chemical Science, 2013, 4, 248-256.	7.4	53
121	The unusual surface chemistry of $\alpha$ -Al <sub>2</sub> O <sub>3</sub> (0001). Physical Chemistry Chemical Physics, 2010, 12, 13724.	2.8	52
122	Static and dynamic wetting behaviour of ionic liquids. Advances in Colloid and Interface Science, 2015, 222, 162-171.	14.7	52
123	Scanning Tunneling Microscopy Studies of Galena: The Mechanisms of Oxidation in Aqueous Solution. Langmuir, 1995, 11, 2554-2562.	3.5	51
124	Surface modifications in the chalcopyrite-sulphite ion system. I. collectorless flotation, XPS and dissolution study. International Journal of Mineral Processing, 1997, 50, 1-26.	2.6	51
125	The influence of dissolved gas on the interactions between surfaces of different hydrophobicity in aqueous media Part II. A spectroscopic study. Physical Chemistry Chemical Physics, 1999, 1, 2799-2803.	2.8	51
126	Reducing uncertainty in mineral flotation-flotation rate constant prediction for particles in an operating plant ore. International Journal of Mineral Processing, 2007, 84, 89-98.	2.6	51



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127	The effect of high intensity conditioning on the flotation of a nickel ore, part 2: Mechanisms. Minerals Engineering, 1999, 12, 1359-1373.	4.3	50
128	Dynamics of Partial Wetting and Dewetting of an Amorphous Fluoropolymer by Pure Liquids. Langmuir, 2003, 19, 2795-2801.	3.5	50
129	Microplasma patterning of bonded microchannels using high-precision "injected" electrodes. Lab on A Chip, 2011, 11, 541-544.	6.0	50
130	Bubble particle attachment efficiency. Minerals Engineering, 1994, 7, 657-665.	4.3	49
131	Dynamic Dewetting Regimes Explored. Journal of Physical Chemistry C, 2009, 113, 8888-8894.	3.1	49
132	Adsorption of modified dextrans to a hydrophobic surface: QCM-D studies, AFM imaging, and dynamic contact angle measurements. Journal of Colloid and Interface Science, 2010, 345, 417-426.	9.4	49
133	Influence of dissolved gas on bubble-particle heterocoagulation. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 1983-1987.	1.7	48
134	Inertial hydrodynamic particle-bubble interaction in flotation. International Journal of Mineral Processing, 1999, 56, 207-256.	2.6	48
135	Electrowetting of Aqueous Solutions of Ionic Liquid in Solid-Liquid-Liquid Systems. Journal of Physical Chemistry C, 2010, 114, 8383-8388.	3.1	48
136	Microfluidic Solvent Extraction of Metal Ions and Complexes from Leach Solutions Containing Nanoparticles. Chemical Engineering and Technology, 2012, 35, 1312-1319.	1.5	48
137	Contact Line Motion on Nanorough Surfaces: A Thermally Activated Process. Journal of the American Chemical Society, 2013, 135, 7159-7171.	13.7	48
138	Colloidal iron oxide slime coatings and galena particle flotation. Minerals Engineering, 2001, 14, 487-497.	4.3	47
139	The role of surfactant structure on foam behaviour. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2005, 263, 233-238.	4.7	47
140	Influence of Surface Charge on Wetting Kinetics. Langmuir, 2010, 26, 17218-17224.	3.5	47
141	Dynamic Electrowetting and Dewetting of Ionic Liquids at a Hydrophobic Solid-Liquid Interface. Langmuir, 2013, 29, 2631-2639.	3.5	47
142	The competitive adsorption of cyanide and ethyl xanthate on pyrite and pyrrhotite surfaces. International Journal of Mineral Processing, 1993, 38, 205-233.	2.6	46
143	The effect of high intensity conditioning on the flotation of a nickel ore. Part 1: Size-by-size analysis. Minerals Engineering, 1999, 12, 1185-1200.	4.3	46
144	The Interaction between a Very Small Rising Bubble and a Hydrophilic Titania Surface. Journal of Physical Chemistry C, 2010, 114, 2273-2281.	3.1	46

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145	Femtoliter Droplet Handling in Nanofluidic Channels: A Laplace Nanovalve. <i>Analytical Chemistry</i> , 2012, 84, 10812-10816.	6.5	46
146	Molecularly-Thin Precursor Films of Imidazolium-Based Ionic Liquids on Mica. <i>Journal of Physical Chemistry C</i> , 2013, 117, 23676-23684.	3.1	46
147	Effect of iron content in sphalerite on flotation. <i>Minerals Engineering</i> , 2005, 18, 1120-1122.	4.3	44
148	The formation and stability of self-assembled monolayers of octadecylphosphonic acid on titania. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 291, 51-58.	4.7	44
149	Kinetics of CO <sub>2</sub> nanobubble formation at the solid/water interface. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 6327.	2.8	44
150	Contact Line Friction in Liquid-Liquid Displacement on Hydrophobic Surfaces. <i>Journal of Physical Chemistry C</i> , 2011, 115, 24975-24986.	3.1	44
151	Dynamic wetting of a fluoropolymer surface by ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 3952.	2.8	44
152	Scanning tunnelling microscopy studies of galena: the mechanism of oxidation in air. <i>Applied Surface Science</i> , 1994, 78, 385-397.	6.1	43
153	Investigating fine galena recovery problems in the lead circuit of Mount Isa Mines Lead/Zinc Concentrator part 1: Grinding media effects. <i>Minerals Engineering</i> , 1999, 12, 147-163.	4.3	43
154	Activation of zinc sulphide with CuII, CdII and PbII: III. The mass-spectrometric determination of elemental sulphur. <i>International Journal of Mineral Processing</i> , 1981, 7, 279-310.	2.6	42
155	The drainage of a thin aqueous film between a solid surface and an approaching gas bubble. <i>Colloids and Surfaces</i> , 1991, 52, 163-174.	0.9	42
156	Influence of Dissolved Gas on van der Waals Forces between Bubbles and Particles. <i>Journal of Physical Chemistry A</i> , 2002, 106, 689-696.	2.5	42
157	Colloid stability of synthetic titania and the influence of surface roughness. <i>Journal of Colloid and Interface Science</i> , 2005, 286, 526-535.	9.4	41
158	The Influence of Polymer Structure and Morphology on Talc Wettability. <i>Langmuir</i> , 2006, 22, 3221-3227.	3.5	41
159	Adsorption of Modified Dextrins on Talc: Effect of Surface Coverage and Hydration Water on Hydrophobicity Reduction. <i>Langmuir</i> , 2008, 24, 6121-6127.	3.5	41
160	The Influence of Surface Hydrophobicity on Polyacrylamide Adsorption. <i>Langmuir</i> , 2009, 25, 4514-4521.	3.5	41
161	Particle size, surface coverage and flotation response. <i>Colloids and Surfaces</i> , 1985, 16, 41-53.	0.9	40
162	Influence of the Work of Adhesion on the Dynamic Wetting of Chemically Heterogeneous Surfaces. <i>Langmuir</i> , 2008, 24, 13007-13012.	3.5	40

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163	Role of Surface Charge and Hydrophobicity in the Three-Phase Contact Formation and Wetting Film Stability under Dynamic Conditions. <i>Journal of Physical Chemistry C</i> , 2012, 116, 3071-3078.	3.1	40
164	Thin films and froth flotation. <i>Advances in Colloid and Interface Science</i> , 1983, 19, 1-26.	14.7	39
165	Formation of a copper-butyl ethoxycarbonyl thiourea complex. <i>Analytica Chimica Acta</i> , 1997, 346, 237-248.	5.4	39
166	The Unusual Colloid Stability of Gibbsite at High pH. <i>Journal of Colloid and Interface Science</i> , 1998, 203, 115-121.	9.4	39
167	Spectroscopic and electrokinetic study of the adsorption of butyl ethoxycarbonyl thiourea on chalcopyrite. <i>International Journal of Mineral Processing</i> , 1998, 54, 147-163.	2.6	39
168	Metal oxide surfaces separated by aqueous solutions of linear polyphosphates: DLVO and non-DLVO interaction forces. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 5678-5683.	2.8	39
169	Dynamics of Liquid-Liquid Displacement. <i>Langmuir</i> , 2009, 25, 8069-8074.	3.5	39
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