

Anh V Nguyen

List of Publications by Year in descending order

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364
papers

13,014
citations

19636

61
h-index

51562

86
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373
all docs

373
docs citations

373
times ranked

9211
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental measurement and thermodynamic modeling of dissociation conditions of hydrogen sulfide hydrate in the presence of electrolyte solutions. <i>Chemical Engineering Journal</i> , 2022, 431, 133821.	6.6	10
2	Technical and economic perspectives of hydrate-based carbon dioxide capture. <i>Applied Energy</i> , 2022, 307, 118237.	5.1	31
3	Investigation of liquid marble shell using X-ray: shell thickness and effective surface tension. <i>ChemNanoMat</i> , 2022, 8, .	1.5	4
4	Salting-Up of Surfactants at the Surface of Saline Water as Detected by Tensiometry and SFG and Supported by Molecular Dynamics Simulation. <i>Journal of Physical Chemistry B</i> , 2022, 126, 1063-1075.	1.2	8
5	Bubble's rise characteristics in shear-thinning xanthan gum solution: a numerical analysis. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2022, 132, 104219.	2.7	7
6	Noninvasive refilling of liquid marbles with water for microfluidic applications. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	3
7	Controllable high-performance liquid marble micromixer. <i>Lab on A Chip</i> , 2022, 22, 1508-1518.	3.1	15
8	Surface Science in the Research and Development of Hydrate-Based Sustainable Technologies. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 4041-4058.	3.2	18
9	A review on quantifying the influence of lateral capillary interactions on the particle floatability and stability of particle-laden interfaces. <i>Advances in Colloid and Interface Science</i> , 2022, 307, 102731.	7.0	5
10	Quantitative Analysis of Attachment Time of Air Bubbles to Solid Surfaces in Water. <i>Langmuir</i> , 2021, 37, 616-626.	1.6	5
11	Hydrophobic behavior of fluorite surface in strongly alkaline solution and its application in flotation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 609, 125661.	2.3	13
12	Digital Imaging-based Colourimetry for Enzymatic Processes in Transparent Liquid Marbles. <i>ChemPhysChem</i> , 2021, 22, 99-105.	1.0	12
13	Effect of Core Liquid Surface Tension on the Liquid Marble Shell. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001591.	1.9	15
14	Cyclodextrins as eco-friendly nucleation promoters for methane hydrate. <i>Chemical Engineering Journal</i> , 2021, 417, 127932.	6.6	19
15	Bed expansion and gas holdup characteristics of bubble-assisted fluidization of liquid particle suspensions in a HydroFloat cell. <i>Minerals Engineering</i> , 2021, 160, 106678.	1.8	9
16	Liquid marble-based digital microfluidics – fundamentals and applications. <i>Lab on A Chip</i> , 2021, 21, 1199-1216.	3.1	41
17	Measuring the effective surface tension of a floating liquid marble using X-ray imaging. <i>Soft Matter</i> , 2021, 17, 4069-4076.	1.2	8
18	Evidence of surfactant sub-monolayer adsorption at the air/water interface provided by laser scattering measurements of ultrafine gas bubbles. <i>New Journal of Chemistry</i> , 2021, 45, 14149-14157.	1.4	2

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19	From Surface Tension to Molecular Distribution: Modeling Surfactant Adsorption at the Air-Water Interface. <i>Langmuir</i> , 2021, 37, 2237-2255.	1.6	32
20	Effect of particle size and shape on liquid-solid fluidization in a HydroFloat cell. <i>Powder Technology</i> , 2021, 379, 560-575.	2.1	16
21	Advanced solid-liquid separation for dewatering fine coal tailings by combining chemical reagents and solid bowl centrifugation. <i>Separation and Purification Technology</i> , 2021, 259, 118172.	3.9	30
22	Accurate, fully automated determination of the initial settling rate of flocculated suspensions. <i>Minerals Engineering</i> , 2021, 164, 106823.	1.8	0
23	Proving the existence of nanobubbles produced by hydrodynamic cavitation and their significant effects in powder flotation. <i>Advanced Powder Technology</i> , 2021, 32, 1810-1818.	2.0	19
24	Loop-Mediated Isothermal Amplification in a Core-Shell Bead Assay for the Detection of Tyrosine Kinase AXL Overexpression. <i>Micromachines</i> , 2021, 12, 905.	1.4	3
25	A method for rapid estimation of processing behaviour based on ore texture. <i>Minerals Engineering</i> , 2021, 171, 107111.	1.8	0
26	Oscillating sessile liquid marble - A tool to assess effective surface tension. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 627, 127176.	2.3	10
27	Effect of geometric constraint caused by nearby particles on the detachment from the particle-laden interface. <i>Minerals Engineering</i> , 2021, 173, 107199.	1.8	3
28	Electrostatically excited liquid marble as a micromixer. <i>Reaction Chemistry and Engineering</i> , 2021, 6, 1386-1394.	1.9	13
29	Direct visualisation of bubble-particle interactions in presence of cavitation bubbles in an ultrasonic flotation cell. <i>Minerals Engineering</i> , 2021, 174, 107258.	1.8	18
30	Modelling Sessile Droplet Profile Using Asymmetrical Ellipses. <i>Processes</i> , 2021, 9, 2081.	1.3	2
31	Analysis of particle dispersion coefficient in solid-liquid fluidised beds. <i>Powder Technology</i> , 2020, 365, 60-73.	2.1	9
32	The fore-and-aft asymmetry of the bubble-particle collision interaction in the non-turbulent regime of multiphase bubble-particle suspension flows. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 585, 124085.	2.3	5
33	Replacing Petrov's process with atmospheric flotation using Pb-BHA complexes for separating scheelite from fluorite. <i>Minerals Engineering</i> , 2020, 145, 106053.	1.8	47
34	Surface chemistry of Pb-activated sphalerite. <i>Minerals Engineering</i> , 2020, 145, 106058.	1.8	68
35	Adsorption of ionic surfactants at the air-water interface: The gap between theory and experiment. <i>Advances in Colloid and Interface Science</i> , 2020, 275, 102052.	7.0	26
36	Critical Trapping Conditions for Floating Liquid Marbles. <i>Physical Review Applied</i> , 2020, 13, .	1.5	15

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37	Extending the concept of machine acceleration used to model the bubble-particle detachment in flotation. Part 2 – Machine acceleration of solid particles in water. <i>Minerals Engineering</i> , 2020, 146, 106134.	1.8	4
38	A new paradigm of bubble-particle detachment interaction: How and where do the bubble and the particle detach?. <i>Minerals Engineering</i> , 2020, 159, 106607.	1.8	4
39	Quantifying the Counterion-Specific Effect on Surfactant Adsorption Using Modeling, Simulation, and Experiments. <i>Langmuir</i> , 2020, 36, 13012-13022.	1.6	21
40	Capillarity: revisiting the fundamentals of liquid marbles. <i>Microfluidics and Nanofluidics</i> , 2020, 24, 1.	1.0	28
41	Measurements and analysis of xanthate chain length effect on bubble attachment to galena surfaces. <i>Minerals Engineering</i> , 2020, 159, 106651.	1.8	4
42	Resolving the mystery of the second charge reversal on solid surfaces in the presence of divalent heavy metal ions. <i>Applied Surface Science</i> , 2020, 529, 147128.	3.1	27
43	Synergistic Effects of Sodium Iodide and Sodium Dodecyl Sulfate at Low Concentrations on Promoting Gas Hydrate Nucleation. <i>Energy & Fuels</i> , 2020, 34, 9971-9977.	2.5	20
44	A Numerical Relay Implementation for Overcurrent Protection Based on ARM Cortex – M4 Microprocessor. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 752, 012005.	0.3	1
45	Liquid Marbles as Miniature Reactors for Chemical and Biological Applications. <i>Processes</i> , 2020, 8, 793.	1.3	60
46	The Effect of Dissolved Gases on the Short-Range Attractive Force between Hydrophobic Surfaces in the Absence of Nanobubble Bridging. <i>Langmuir</i> , 2020, 36, 9987-9992.	1.6	9
47	Parametric investigations of different variables on liquid–solid fluidization in a HydroFloat cell using computational fluid dynamics. <i>Chemical Engineering Research and Design</i> , 2020, 159, 13-26.	2.7	13
48	Significant Effect of Surfactant Adsorption Layer Thickness in Equilibrium Foam Films. <i>Journal of Physical Chemistry B</i> , 2020, 124, 5301-5310.	1.2	15
49	Identifying inrush currents based on Bayesian recursive algorithm for a numerical overcurrent protection relay. , 2020, , .		1
50	Core-Shell Beads Made by Composite Liquid Marble Technology as A Versatile Microreactor for Polymerase Chain Reaction. <i>Micromachines</i> , 2020, 11, 242.	1.4	31
51	A way out of the alkaline bauxite residue: Synthesizing micro-electrolysis composite material towards the synergistic fenton degradation of high-concentration organic wastewater. <i>Journal of Hazardous Materials</i> , 2020, 400, 123210.	6.5	12
52	Surface Potential Explained: A Surfactant Adsorption Model Incorporating Realistic Layer Thickness. <i>Journal of Physical Chemistry B</i> , 2020, 124, 3195-3205.	1.2	16
53	Stochastic induction time of attachment due to the formation of transient holes in the intervening water films between air bubbles and solid surfaces. <i>Journal of Colloid and Interface Science</i> , 2020, 565, 345-350.	5.0	6
54	Regimes of drainage instability caused by wash water. <i>Minerals Engineering</i> , 2020, 148, 106202.	1.8	5

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55	Specificity and affinity of multivalent ions adsorption to kaolinite surface. <i>Applied Clay Science</i> , 2020, 190, 105557.	2.6	34
56	Effect of microturbulence on bubble-particle collision during the bubble rise in a flotation cell. <i>Minerals Engineering</i> , 2020, 155, 106418.	1.8	17
57	Critical Review on Gas Hydrate Formation at Solid Surfaces and in Confined Spaces—Why and How Does Interfacial Regime Matter?. <i>Energy & Fuels</i> , 2020, 34, 6751-6760.	2.5	95
58	Liquid marbles as biochemical reactors for the polymerase chain reaction. <i>Lab on A Chip</i> , 2019, 19, 3220-3227.	3.1	44
59	DFT simulation of S-species interaction with smithsonite ($\text{O}^{\ominus}\text{O}^{\ominus}\text{1}$) surface: Effect of water molecule adsorption position. <i>Results in Physics</i> , 2019, 15, 102575.	2.0	19
60	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.	2.3	4
61	Effects of bubble size, velocity, and particle agglomeration on the electroflotation kinetics of fine cassiterite. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2019, 14, e2333.	0.8	9
62	Experimental Study of Dry Desliming Iron Ore Tailings by Air Classification. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2019, 40, 344-355.	2.6	14
63	Effects of ion specificity on the surface electrical properties of kaolinite and montmorillonite. <i>Minerals Engineering</i> , 2019, 143, 105929.	1.8	14
64	The Contact Angle Variation of Floating Particles Makes It Difficult to Use the Neumann Condition To Quantify the Air–Water Interface Deformation in Three-Dimensional Space. <i>Langmuir</i> , 2019, 35, 2571-2579.	1.6	5
65	The stress-strain relationship of liquid marbles under compression. <i>Applied Physics Letters</i> , 2019, 114, 043701.	1.5	24
66	Examining and extending the concept of machine acceleration used in modelling the bubble-particle detachment in flotation. <i>Minerals Engineering</i> , 2019, 134, 77-86.	1.8	3
67	Synergistic effects of surfactant-flocculant mixtures on ultrafine coal dewatering and their linkage with interfacial chemistry. <i>Journal of Cleaner Production</i> , 2019, 232, 953-965.	4.6	32
68	An SFG spectroscopy study of the interfacial water structure and the adsorption of sodium silicate at the fluorite and silica surfaces. <i>Minerals Engineering</i> , 2019, 138, 178-187.	1.8	15
69	Accurate dielectrophoretic positioning of a floating liquid marble with a two-electrode configuration. <i>Microfluidics and Nanofluidics</i> , 2019, 23, 1.	1.0	17
70	An automated on-demand liquid marble generator based on electrohydrodynamic pulling. <i>Review of Scientific Instruments</i> , 2019, 90, 055102.	0.6	17
71	Dielectrophoretic Trapping of a Floating Liquid Marble. <i>Physical Review Applied</i> , 2019, 11, .	1.5	24
72	On the stability of thin films of pure water. <i>Advances in Colloid and Interface Science</i> , 2019, 268, 82-90.	7.0	13

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73	XPS analysis of the surface chemistry of sulfuric acid-treated kaolinite and diaspore minerals with flotation reagents. <i>Minerals Engineering</i> , 2019, 136, 1-7.	1.8	75
74	New Evidence of Head-to-Tail Complex Formation of SDSâ€‘DOH Mixtures Adsorbed at the Airâ€‘Water Interface as Revealed by Vibrational Sum Frequency Generation Spectroscopy and Isotope Labelling. <i>Langmuir</i> , 2019, 35, 4825-4833.	1.6	8
75	Matte Entrainment by SO ₂ Bubbles in Copper Smelting Slag. <i>Jom</i> , 2019, 71, 1897-1903.	0.9	13
76	A numerical study with experimental validation of liquid-assisted fluidization of particle suspensions in a HydroFloat cell. <i>Minerals Engineering</i> , 2019, 134, 176-192.	1.8	16
77	Influence of Interfacial Gas Enrichment on Controlled Coalescence of Oil Droplets in Water in Microfluidics. <i>Langmuir</i> , 2019, 35, 3615-3623.	1.6	15
78	The link between the kinetics of gas hydrate formation and surface ion distribution in the low salt concentration regime. <i>Fuel</i> , 2019, 240, 309-316.	3.4	35
79	Characterization of Breakage and Washability of ROM Coal using X-ray Computed Tomography. <i>International Journal of Coal Preparation and Utilization</i> , 2019, 39, 145-158.	1.2	4
80	Liquid marble coalescence <i>via</i> vertical collision. <i>Soft Matter</i> , 2018, 14, 4160-4168.	1.2	36
81	Isotropic turbulence surpasses gravity in affecting bubble-particle collision interaction in flotation. <i>Minerals Engineering</i> , 2018, 122, 165-175.	1.8	24
82	Novel catalysis mechanisms of benzohydroxamic acid adsorption by lead ions and changes in the surface of scheelite particles. <i>Minerals Engineering</i> , 2018, 119, 11-22.	1.8	48
83	On the predictions for diffusion-driven evaporation of sessile droplets with interface cooling. <i>Chemical Engineering Science</i> , 2018, 177, 417-421.	1.9	12
84	Volatilization of mercury in coal during conventional and microwave drying and its potential guidance for environmental protection. <i>Journal of Cleaner Production</i> , 2018, 176, 1-6.	4.6	13
85	A review of aqueous foam in microscale. <i>Advances in Colloid and Interface Science</i> , 2018, 256, 203-229.	7.0	36
86	Impact of interfacial Al- and Si-active sites on the electrokinetic properties, surfactant adsorption and floatability of diaspore and kaolinite minerals. <i>Minerals Engineering</i> , 2018, 122, 258-266.	1.8	20
87	A review of the surface features and properties, surfactant adsorption and floatability of four key minerals of diasporic bauxite resources. <i>Advances in Colloid and Interface Science</i> , 2018, 254, 56-75.	7.0	37
88	Red mud carbonation using carbon dioxide: Effects of carbonate and calcium ions on goethite surface properties and settling. <i>Journal of Colloid and Interface Science</i> , 2018, 517, 230-238.	5.0	21
89	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.	6.6	24
90	Zinc and lead accumulation characteristics and in vivo distribution of Zn ²⁺ in the hyperaccumulator <i>Noccaea caerulea</i> elucidated with fluorescent probes and laser confocal microscopy. <i>Environmental and Experimental Botany</i> , 2018, 147, 1-12.	2.0	35

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91	Manipulation of a floating liquid marble using dielectrophoresis. <i>Lab on A Chip</i> , 2018, 18, 3770-3779.	3.1	27
92	Digital polymerase chain reaction technology " recent advances and future perspectives. <i>Lab on A Chip</i> , 2018, 18, 3717-3732.	3.1	98
93	Detecting the undetectable: The role of trace surfactant in the Jones-Ray effect. <i>Journal of Chemical Physics</i> , 2018, 149, 194702.	1.2	27
94	Picking up and placing a liquid marble using dielectrophoresis. <i>Microfluidics and Nanofluidics</i> , 2018, 22, 1.	1.0	27
95	A critical review of the model fitting quality and parameter stability of equilibrium adsorption models. <i>Advances in Colloid and Interface Science</i> , 2018, 262, 50-68.	7.0	30
96	Potential Desalination of Coal Seam Gas Coproduced Water Using Zeolite. , 2018, , .		0
97	Combined Sum Frequency Generation and Thin Liquid Film Study of the Specific Effect of Monovalent Cations on the Interfacial Water Structure. <i>Langmuir</i> , 2018, 34, 6844-6855.	1.6	11
98	A link between viscosity and cation-anion contact pairs: Adventure on the concept of structure-making/breaking for concentrated salt solutions. <i>Journal of Molecular Liquids</i> , 2018, 263, 109-117.	2.3	16
99	Analytical Model for Diffusive Evaporation of Sessile Droplets Coupled with Interfacial Cooling Effect. <i>Langmuir</i> , 2018, 34, 6955-6962.	1.6	37
100	Application of high-resolution X-ray microcomputed tomography for coal washability analysis. <i>Minerals Engineering</i> , 2018, 124, 137-148.	1.8	13
101	Evaporation dynamics of liquid marbles at elevated temperatures. <i>RSC Advances</i> , 2018, 8, 15436-15443.	1.7	36
102	Effects of alkyl ether amine and calcium ions on fine quartz flotation and its guidance for upgrading vanadium from stone coal. <i>Powder Technology</i> , 2018, 338, 180-189.	2.1	34
103	Improving coal flotation using the mixture of candle soot and hydrocarbon oil as a novel flotation collector. <i>Journal of Cleaner Production</i> , 2018, 195, 1183-1189.	4.6	67
104	Contact angle variation on single floating spheres and its impact on the stability analysis of floating particles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 520, 442-447.	2.3	20
105	The Gibbs-Marangoni stress and nonDLVO forces are equally important for modeling bubble coalescence in salt solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 515, 62-68.	2.3	17
106	Interfacial Gas Enrichment at Hydrophobic Surfaces and the Origin of Promotion of Gas Hydrate Formation by Hydrophobic Solid Particles. <i>Journal of Physical Chemistry C</i> , 2017, 121, 3830-3840.	1.5	94
107	The effect of gas-wetting nano-particle on the fluid flowing behavior in porous media. <i>Fuel</i> , 2017, 196, 431-441.	3.4	33
108	The inhibition of methane hydrate formation by water alignment underneath surface adsorption of surfactants. <i>Fuel</i> , 2017, 197, 488-496.	3.4	43

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109	Effect of Under-Monolayer Adsorption on Foamability, Rheological Characteristics, and Dynamic Behavior of Fluid Interfaces: Experimental Evidence for the Guggenheim Extended Interface Model. <i>Journal of Physical Chemistry C</i> , 2017, 121, 11472-11487.	1.5	15
110	Dynamic behaviour of a magnetically actuated floating liquid marble. <i>Microfluidics and Nanofluidics</i> , 2017, 21, 1.	1.0	28
111	A comparative study of the attachment of air bubbles onto sphalerite and pyrite surfaces activated by copper sulphate. <i>Minerals Engineering</i> , 2017, 109, 14-20.	1.8	16
112	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.	1.9	18
113	A significant improvement of scheelite recovery using recycled flotation wastewater treated by hydrometallurgical waste acid. <i>Journal of Cleaner Production</i> , 2017, 151, 419-426.	4.6	34
114	Heterocoagulation of alumina and quartz studied by zeta potential distribution and particle size distribution measurements. <i>Powder Technology</i> , 2017, 309, 1-12.	2.1	44
115	A review on data and predictions of water dielectric spectra for calculations of van der Waals surface forces. <i>Advances in Colloid and Interface Science</i> , 2017, 250, 54-63.	7.0	18
116	Hydrophobic Effect on Gas Hydrate Formation in the Presence of Additives. <i>Energy & Fuels</i> , 2017, 31, 10311-10323.	2.5	104
117	Effect of contact angle and contact angle hysteresis on the floatability of spheres at the air-water interface. <i>Advances in Colloid and Interface Science</i> , 2017, 248, 69-84.	7.0	44
118	Kinetic studies of amyl xanthate adsorption and bubble attachment to Cu-activated sphalerite and pyrite surfaces. <i>Minerals Engineering</i> , 2017, 112, 36-42.	1.8	24
119	Probing the Molecular Orientation of Methyl Isobutyl Carbinol at the Air-Water Interface. <i>Journal of Surfactants and Detergents</i> , 2017, 20, 969-976.	1.0	7
120	Characterisation of sphalerite and pyrite surfaces activated by copper sulphate. <i>Minerals Engineering</i> , 2017, 100, 223-232.	1.8	113
121	A review of principles and applications of magnetic flocculation to separate ultrafine magnetic particles. <i>Separation and Purification Technology</i> , 2017, 172, 85-99.	3.9	73
122	Recent Advances and Future Perspectives on Microfluidic Liquid Handling. <i>Micromachines</i> , 2017, 8, 186.	1.4	131
123	Coalescence Processes of Droplets and Liquid Marbles. <i>Micromachines</i> , 2017, 8, 336.	1.4	50
124	Introduction of Matte Droplets in Copper Smelting Slag. <i>Minerals, Metals and Materials Series</i> , 2017, , 385-394.	0.3	4
125	A review of the mechanisms and models of bubble-particle detachment in froth flotation. <i>Separation and Purification Technology</i> , 2016, 170, 155-172.	3.9	111
126	Floating mechanism of a small liquid marble. <i>Scientific Reports</i> , 2016, 6, 21777.	1.6	43

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127	Measuring the Coefficient of Friction of a Small Floating Liquid Marble. <i>Scientific Reports</i> , 2016, 6, 38346.	1.6	23
128	The Floatability of Single Spheres versus Their Pairs on the Water Surface. <i>Langmuir</i> , 2016, 32, 13627-13634.	1.6	16
129	Evaporation of Ethanol-Water Binary Mixture Sessile Liquid Marbles. <i>Langmuir</i> , 2016, 32, 6097-6104.	1.6	35
130	The dynamic contact angle of a bubble with an immersed-in-water particle and its implications for bubble-particle detachment. <i>International Journal of Mineral Processing</i> , 2016, 151, 22-32.	2.6	17
131	Foamability of sodium dodecyl sulfate solutions: Anomalous effect of dodecanol unexplained by conventional theories. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 495, 110-117.	2.3	19
132	A review of stochastic description of the turbulence effect on bubble-particle interactions in flotation. <i>International Journal of Mineral Processing</i> , 2016, 156, 75-86.	2.6	70
133	Digital microfluidics with a magnetically actuated floating liquid marble. <i>Lab on A Chip</i> , 2016, 16, 2211-2218.	3.1	78
134	Mechanistic insights into the catalytic elimination of tar and the promotional effect of boron on it: first-principles study using toluene as a model compound. <i>Catalysis Science and Technology</i> , 2016, 6, 5871-5883.	2.1	53
135	A quantification of immersion of the adsorbed ionic surfactants at liquid fluid interfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 509, 279-292.	2.3	7
136	A novel quantitative analysis of the local deformation of the air-water surface by a floating sphere. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 504, 407-413.	2.3	11
137	Unexpected inhibition of CO ₂ gas hydrate formation in dilute TBAB solutions and the critical role of interfacial water structure. <i>Fuel</i> , 2016, 185, 517-523.	3.4	48
138	The Effect of Fluoropolymer on Wettability Alteration of Sandstone at Elevated Temperatures. <i>Journal of Surfactants and Detergents</i> , 2016, 19, 1241-1250.	1.0	22
139	A Microfluidic Method for Investigating Ion-Specific Bubble Coalescence in Salt Solutions. <i>Langmuir</i> , 2016, 32, 11520-11524.	1.6	17
140	Experimental quantification of turbulence and its applications in the study of multiphase flotation pulps. <i>International Journal of Mineral Processing</i> , 2016, 156, 87-98.	2.6	6
141	Sulfuric acid dissolution of 4A and Na-Y synthetic zeolites and effects on Na-Y surface and particle properties. <i>Applied Surface Science</i> , 2016, 367, 281-290.	3.1	22
142	The effect of calcium, magnesium, and sulphate ions on the surface properties of copper activated sphalerite. <i>Minerals Engineering</i> , 2016, 89, 42-51.	1.8	10
143	Understanding of Bath Surface Wave in Bottom Blown Copper Smelting Furnace. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2016, 47, 135-144.	1.0	26
144	X-ray photoelectron spectroscopic investigation into the surface effects of sulphuric acid treated natural zeolite. <i>Powder Technology</i> , 2016, 295, 27-34.	2.1	33

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145	How Does the Gibbs Inequality Condition Affect the Stability and Detachment of Floating Spheres from the Free Surface of Water?. <i>Langmuir</i> , 2016, 32, 1988-1995.	1.6	26
146	Foam drainage in the presence of solid particles. <i>Soft Matter</i> , 2016, 12, 3004-3012.	1.2	49
147	A critical review of the growth, drainage and collapse of foams. <i>Advances in Colloid and Interface Science</i> , 2016, 228, 55-70.	7.0	231
148	A sum-frequency generation spectroscopic study of the Gibbs analysis paradox: monolayer or sub-monolayer adsorption?. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 8794-8805.	1.3	27
149	Effects of surface rheology and surface potential on foam stability. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 488, 70-81.	2.3	69
150	Characterisation of electrokinetic properties of clinoptilolite before and after activation by sulphuric acid for treating CSG water. <i>Microporous and Mesoporous Materials</i> , 2016, 220, 175-182.	2.2	18
151	Fractal kinetic model for digesting alumina. <i>Minerals, Metals and Materials Series</i> , 2016, , 65-70.	0.3	0
152	Particle size distribution model for kinetics of digesting alumina. <i>Minerals, Metals and Materials Series</i> , 2016, , 59-64.	0.3	0
153	A floating self-propelling liquid marble containing aqueous ethanol solutions. <i>RSC Advances</i> , 2015, 5, 101006-101012.	1.7	65
154	Viscosity Model for Iron Blast Furnace Slags in $\text{SiO}_2\text{-Al}_2\text{O}_3\text{-CaO-MgO}$ System. <i>Steel Research International</i> , 2015, 86, 678-685.	1.0	19
155	Manipulation of liquid marbles. <i>Microfluidics and Nanofluidics</i> , 2015, 19, 483-495.	1.0	100
156	The dual effect of sodium halides on the formation of methane gas hydrate. <i>Fuel</i> , 2015, 156, 87-95.	3.4	69
157	Deformation of a floating liquid marble. <i>Soft Matter</i> , 2015, 11, 4576-4583.	1.2	44
158	Influence of liberation on bubble-particle attachment time in flotation. <i>Minerals Engineering</i> , 2015, 74, 156-162.	1.8	38
159	Effect of energy source, salt concentration and loading force on colloidal interactions between <i>Acidithiobacillus ferrooxidans</i> cells and mineral surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 132, 271-280.	2.5	12
160	Attractive Forces between Hydrophobic Solid Surfaces Measured by AFM on the First Approach in Salt Solutions and in the Presence of Dissolved Gases. <i>Langmuir</i> , 2015, 31, 1941-1949.	1.6	49
161	Static and dynamic characterization of the 6-Dofs parallel robot 3CRS. <i>Mechanism and Machine Theory</i> , 2015, 93, 65-82.	2.7	20
162	Interfacial Water Structure at Surfactant Concentrations below and above the Critical Micelle Concentration as Revealed by Sum Frequency Generation Vibrational Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2015, 119, 15477-15481.	1.5	34

#	ARTICLE	IF	CITATIONS
163	Mixing Phenomena in a Bottom Blown Copper Smelter: A Water Model Study. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2015, 46, 1218-1225.	1.0	44
164	Suppressing interfacial water signals to assist the peak assignment of the N ⁺ â€“H stretching mode in sum frequency generation vibrational spectroscopy. Physical Chemistry Chemical Physics, 2015, 17, 28534-28538.	1.3	5
165	Zinc uptake and distribution in tomato plants in response to foliar supply of Zn hydroxideâ€“nitrate nanocrystal suspension with controlled Zn solubility. Journal of Plant Nutrition and Soil Science, 2015, 178, 722-731.	1.1	7
166	Progress on the Surface Nanobubble Story: What is in the bubble? Why does it exist?. Advances in Colloid and Interface Science, 2015, 222, 573-580.	7.0	65
167	Surface properties of enargite in MAA depressant solutions. Minerals Engineering, 2015, 71, 180-187.	1.8	5
168	Accumulation and distribution of zinc in the leaves and roots of the hyperaccumulator Noccaea caerulescens. Environmental and Experimental Botany, 2015, 110, 85-95.	2.0	39
169	A quantitative review of the transition salt concentration for inhibiting bubble coalescence. Advances in Colloid and Interface Science, 2015, 222, 305-318.	7.0	104
170	Potential foliar fertilizers with copper and zinc dual micronutrients in nanocrystal suspension. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	5
171	Interactions between halide anions and interfacial water molecules in relation to the Jonesâ€“Ray effect. Physical Chemistry Chemical Physics, 2014, 16, 24661-24665.	1.3	20
172	Fractal analysis in particle dissolution: a review. Reviews in Chemical Engineering, 2014, 30, .	2.3	13
173	On the effect of van der Waals attractions on the critical salt concentration for inhibiting bubble coalescence. Minerals Engineering, 2014, 58, 108-112.	1.8	17
174	Chemical and mineral transformation of a low grade goethite ore by dehydroxylation, reduction roasting and magnetic separation. Minerals Engineering, 2014, 60, 14-22.	1.8	82
175	Quantifying adhesion of acidophilic bioleaching bacteria to silica and pyrite by atomic force microscopy with a bacterial probe. Colloids and Surfaces B: Biointerfaces, 2014, 115, 229-236.	2.5	37
176	Comparison and evaluation of immobilization methods for preparing bacterial probes using acidophilic bioleaching bacteria Acidithiobacillus thiooxidans for AFM studies. Journal of Microbiological Methods, 2014, 102, 12-14.	0.7	4
177	The impact of line tension on the contact angle of nanodroplets. Molecular Simulation, 2014, 40, 934-941.	0.9	36
178	An XPS investigation of surface species formed by electrochemically induced surface oxidation of enargite in the oxidative potential range. Minerals Engineering, 2014, 55, 60-74.	1.8	21
179	Effects of monovalent anions and cations on drainage and lifetime of foam films at different interface approach speeds. Advanced Powder Technology, 2014, 25, 1212-1219.	2.0	49
180	Non-destructive high-resolution X-ray micro computed tomography for quantifying dry water particles. Advanced Powder Technology, 2014, 25, 1195-1204.	2.0	14

#	ARTICLE	IF	CITATIONS
181	Fundamental Investigation of the Effects of Hydrophobic Fumed Silica on the Formation of Carbon Dioxide Gas Hydrates. <i>Energy & Fuels</i> , 2014, 28, 7025-7037.	2.5	54
182	Fundamental aspects of bubble-particle attachment mechanism in flotation separation. <i>Minerals Engineering</i> , 2014, 65, 187-195.	1.8	49
183	In situ investigation of halide co-ion effects on SDS adsorption at air-water interfaces. <i>Soft Matter</i> , 2014, 10, 6556-6563.	1.2	24
184	A concise review of nanoscopic aspects of bioleaching bacteria-mineral interactions. <i>Advances in Colloid and Interface Science</i> , 2014, 212, 45-63.	7.0	52
185	Influence of Sodium Halides on the Kinetics of CO ₂ Hydrate Formation. <i>Energy & Fuels</i> , 2014, 28, 1220-1229.	2.5	69
186	Strong Cooperative Effect of Oppositely Charged Surfactant Mixtures on Their Adsorption and Packing at the Air-Water Interface and Interfacial Water Structure. <i>Langmuir</i> , 2014, 30, 7047-7051.	1.6	27
187	Transient Volume of Evaporating Sessile Droplets: 2/3, 1/1, or Another Power Law?. <i>Langmuir</i> , 2014, 30, 6544-6547.	1.6	25
188	Novel Methodology for Predicting the Critical Salt Concentration of Bubble Coalescence Inhibition. <i>Journal of Physical Chemistry C</i> , 2014, 118, 1021-1026.	1.5	21
189	Hydrophobically-associating cationic polymers as micro-bubble surface modifiers in dissolved air flotation for cyanobacteria cell separation. <i>Water Research</i> , 2014, 61, 253-262.	5.3	73
190	Surface characterisation, collector adsorption and flotation response of enargite in a redox potential controlled environment. <i>Minerals Engineering</i> , 2014, 65, 61-73.	1.8	18
191	Differences in adhesion of A. thiooxidans and A. ferrooxidans on chalcopyrite as revealed by atomic force microscopy with bacterial probes. <i>Minerals Engineering</i> , 2014, 61, 9-15.	1.8	17
192	Thermal and rheological effects of sepiolite in linear low-density polyethylene/starch blend. <i>Journal of Applied Polymer Science</i> , 2013, 127, 1330-1337.	1.3	21
193	Nanobubbles Do Not Sit Alone at the Solid-Liquid Interface. <i>Langmuir</i> , 2013, 29, 6123-6130.	1.6	87
194	Quantitative methods for estimating foliar uptake of zinc from suspension-based Zn chemicals. <i>Journal of Plant Nutrition and Soil Science</i> , 2013, 176, 764-775.	1.1	16
195	Reply to Comment on Increased Evaporation Kinetics of Sessile Droplets by Using Nanoparticles. <i>Langmuir</i> , 2013, 29, 12330-12330.	1.6	2
196	Correlation of air recovery with froth stability and separation efficiency in coal flotation. <i>Minerals Engineering</i> , 2013, 41, 25-30.	1.8	22
197	Fundamental Studies of Electrochemically Controlled Surface Oxidation and Hydrophobicity of Natural Enargite. <i>Langmuir</i> , 2013, 29, 2371-2386.	1.6	21
198	Origin of Interfacial Nanoscopic Gaseous Domains and Formation of Dense Gas Layer at Hydrophobic Solid-Water Interface. <i>Langmuir</i> , 2013, 29, 15266-15274.	1.6	69

#	ARTICLE	IF	CITATIONS
199	Effect of the adsorption component of the disjoining pressure on foam film drainage. <i>Colloid Journal</i> , 2013, 75, 176-180.	0.5	3
200	The effects of X-ray irradiation and temperature on the formation and stability of chemical species on enargite surfaces during XPS. <i>Minerals Engineering</i> , 2013, 45, 59-66.	1.8	9
201	A modeling approach using back-calculated induction times to predict recoveries in flotation. <i>International Journal of Mineral Processing</i> , 2013, 124, 102-108.	2.6	9
202	Evaporation of Nanoparticle Droplets on Smooth Hydrophobic Surfaces: The Inner Coffee Ring Deposits. <i>Journal of Physical Chemistry C</i> , 2013, 117, 4707-4716.	1.5	109
203	Column bioleaching of low-grade copper ore by <i>Acidithiobacillus ferrooxidans</i> in pure and mixed cultures with a heterotrophic acidophile <i>Acidiphilium</i> sp.. <i>Hydrometallurgy</i> , 2013, 131-132, 93-98.	1.8	41
204	An exponential decay relationship between micro-flotation rate and back-calculated induction time for potential flow and mobile bubble surface. <i>Minerals Engineering</i> , 2013, 40, 67-80.	1.8	19
205	Analyzing EEG signals under insulin-induced hypoglycemia in type 1 diabetes patients. , 2013, 2013, 1980-3.		11
206	Atomic Force Microscopy Study of Forces between a Silica Sphere and an Oxidized Silicon Wafer in Aqueous Solutions of NaCl, KCl, and CsCl at Concentrations up to Saturation. <i>Journal of Physical Chemistry C</i> , 2013, 117, 2113-2120.	1.5	29
207	Combining genetic algorithm and Levenberg-Marquardt algorithm in training neural network for hypoglycemia detection using EEG signals. , 2013, 2013, 5386-9.		19
208	The advancement of an obstacle avoidance bayesian neural network for an intelligent wheelchair. , 2013, 2013, 3642-5.		11
209	Shared control strategies for human - Machine interface in an intelligent wheelchair. , 2013, 2013, 3638-41.		15
210	A weighted test-area method for calculating surface tension. <i>Molecular Simulation</i> , 2013, 39, 129-136.	0.9	6
211	Determination of contact angle by molecular simulation using number and atomic density contours. <i>Molecular Simulation</i> , 2012, 38, 945-952.	0.9	32
212	An adaptive strategy of classification for detecting hypoglycemia using only two EEG channels. , 2012, 2012, 3515-8.		11
213	Development of a Bayesian neural network to perform obstacle avoidance for an intelligent wheelchair. , 2012, 2012, 1884-7.		3
214	Quantitative Analysis of Aqueous Nanofilm Rupture by Molecular Dynamic Simulation. <i>Journal of Physical Chemistry B</i> , 2012, 116, 1035-1042.	1.2	12
215	Increased Evaporation Kinetics of Sessile Droplets by Using Nanoparticles. <i>Langmuir</i> , 2012, 28, 16725-16728.	1.6	68
216	The effect of zeolite treatment by acids on sodium adsorption ratio of coal seam gas water. <i>Water Research</i> , 2012, 46, 5247-5254.	5.3	57

#	ARTICLE	IF	CITATIONS
217	A particle swarm optimization-based neural network for detecting nocturnal hypoglycemia using electroencephalography signals. , 2012, , .		1
218	Development of ions-TIP4P-Ew force fields for molecular processes in bulk and at the aqueous interface using molecular simulations. Journal of Molecular Liquids, 2012, 173, 47-54.	2.3	20
219	An unusual synergistic adsorption of MIBC and CTAB mixtures at the air-water interface. Minerals Engineering, 2012, 39, 255-261.	1.8	18
220	The relationships between the bubble-particle attachment time, collector dosage and the mineralogy of a copper sulfide ore. Minerals Engineering, 2012, 36-38, 309-313.	1.8	40
221	Control Preparation of Zinc Hydroxide Nitrate Nanocrystals and Examination of the Chemical and Structural Stability. Journal of Physical Chemistry C, 2012, 116, 10325-10332.	1.5	77
222	On the Lifetime of Evaporating Sessile Droplets. Langmuir, 2012, 28, 1924-1930.	1.6	62
223	Theoretical and experimental analysis of droplet evaporation on solid surfaces. Chemical Engineering Science, 2012, 69, 522-529.	1.9	178
224	The influence of gas velocity, salt type and concentration on transition concentration for bubble coalescence inhibition and gas holdup. Chemical Engineering Research and Design, 2012, 90, 33-39.	2.7	51
225	The role of surface interaction forces and mixing in enhanced dewatering of coal preparation tailings. Fuel, 2012, 97, 262-268.	3.4	32
226	Influence of surface orientation on the organization of nanoparticles in drying nanofluid droplets. Journal of Colloid and Interface Science, 2012, 377, 456-462.	5.0	61
227	A critical review of surface properties and selective flotation of enargite in sulphide systems. Minerals Engineering, 2012, 30, 1-11.	1.8	38
228	Study on Application of a New Model for the Kinetics of Diaspore Leaching Process. , 2012, , 9-13.		0
229	Influence of Dryer Type on Surface Characteristics of Milk Powders. Drying Technology, 2011, 29, 758-769.	1.7	57
230	Physical and Chemical Analysis of Elemental Sulfur Formation during Galena Surface Oxidation. Langmuir, 2011, 27, 4190-4201.	1.6	58
231	The effect of microhydrodynamics on bubble-particle collision interaction. Minerals Engineering, 2011, 24, 973-986.	1.8	47
232	A relationship between the bubble-particle attachment time and the mineralogy of a copper-sulphide ore. Minerals Engineering, 2011, 24, 1335-1339.	1.8	48
233	Shear-induced floc structure changes for enhanced dewatering of coal preparation plant tailings. Chemical Engineering Journal, 2011, 172, 914-923.	6.6	70
234	Particle-bubble interaction and attachment in flotation. Chemical Engineering Science, 2011, 66, 5910-5921.	1.9	123

#	ARTICLE	IF	CITATIONS
235	Azo-polymers modified with nucleobases and their interactions with DNA molecules. <i>Polymer Bulletin</i> , 2011, 67, 467-478.	1.7	2
236	Storage induced changes to high protein powders: influence on surface properties and solubility. <i>Journal of the Science of Food and Agriculture</i> , 2011, 91, 2566-2575.	1.7	91
237	Understanding the role of ion interactions in soluble salt flotation with alkylammonium and alkylsulfate collectors. <i>Advances in Colloid and Interface Science</i> , 2011, 163, 1-22.	7.0	42
238	Formation and stability of foams stabilized by fine particles with similar size, contact angle and different shapes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 382, 132-138.	2.3	67
239	Dewatering of coal plant tailings: Flocculation followed by filtration. <i>Fuel</i> , 2011, 90, 26-35.	3.4	97
240	Flotation of coal particles in MgCl ₂ , NaCl, and NaClO ₃ solutions in the absence and presence of Dowfroth 250. <i>International Journal of Mineral Processing</i> , 2011, 98, 137-144.	2.6	91
241	Particle interactions in kaolinite suspensions and corresponding aggregate structures. <i>Journal of Colloid and Interface Science</i> , 2011, 359, 95-103.	5.0	206
242	Properties of arsenic sulphide As ₄ S ₄ nanoparticles prepared by high-energy milling. <i>Powder Technology</i> , 2011, 211, 232-236.	2.1	18
243	Development of a Bayesian recursive algorithm to find free-spaces for an intelligent wheelchair. , 2011, 2011, 7250-3.		6
244	Time-Course Global Expression Profiles of <i>Chlamydomonas reinhardtii</i> during Photo-Biological H ₂ Production. <i>PLoS ONE</i> , 2011, 6, e29364.	1.1	37
245	Orbits of Small Spherical Tracers in Monodisperse Particle Beds Liquid-Versus Air-Filled Rotating Tumblers. , 2011, , .		0
246	A review of induction and attachment times of wetting thin films between air bubbles and particles and its relevance in the separation of particles by flotation. <i>Advances in Colloid and Interface Science</i> , 2010, 159, 1-21.	7.0	203
247	Effect of mechanical and chemical clay removals by hydrocyclone and dispersants on coal flotation. <i>Minerals Engineering</i> , 2010, 23, 413-419.	1.8	129
248	Crystal lattice imaging of the silica and alumina faces of kaolinite using atomic force microscopy. <i>Journal of Colloid and Interface Science</i> , 2010, 352, 75-80.	5.0	30
249	Developing a physically consistent model for gibbsite leaching kinetics. <i>Hydrometallurgy</i> , 2010, 104, 86-98.	1.8	27
250	Nanobubbles and the nanobubble bridging capillary force. <i>Advances in Colloid and Interface Science</i> , 2010, 154, 30-55.	7.0	278
251	Comparative validation of the analytical models for the Marangoni effect on foam film drainage. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 365, 122-136.	2.3	38
252	Elasticity of foam bubbles measured by profile analysis tensiometry. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 369, 136-140.	2.3	17

#	ARTICLE	IF	CITATIONS
253	RGD peptide functionalized and reconstituted high-density lipoprotein nanoparticles as a versatile and multimodal tumor targeting molecular imaging probe. <i>FASEB Journal</i> , 2010, 24, 1689-1699.	0.2	102
254	Drainage, Rupture, and Lifetime of Deionized Water Films: Effect of Dissolved Gases?. <i>Langmuir</i> , 2010, 26, 3356-3363.	1.6	30
255	Aggregation of Fullerol C ₆₀ (OH) ₂₄ Nanoparticles as Revealed Using Flow Field-Flow Fractionation and Atomic Force Microscopy. <i>Langmuir</i> , 2010, 26, 16063-16070.	1.6	27
256	Assessing the Hydrophobicity of Petrographically Heterogeneous Coal Surfaces. <i>Energy & Fuels</i> , 2010, 24, 5965-5971.	2.5	32
257	Streaming Potential Effect on the Drainage of Thin Liquid Films Stabilized by Ionic Surfactants. <i>Langmuir</i> , 2010, 26, 4703-4708.	1.6	13
258	Contact angle and bubble attachment studies in the flotation of trona and other soluble carbonate salts. <i>Minerals Engineering</i> , 2009, 22, 168-175.	1.8	35
259	Validation of the generalised Sutherland equation for bubble-particle encounter efficiency in flotation: Effect of particle density. <i>Minerals Engineering</i> , 2009, 22, 176-181.	1.8	18
260	Adsorption and surface tension analysis of concentrated alkali halide brine solutions. <i>Minerals Engineering</i> , 2009, 22, 263-271.	1.8	113
261	Accumulation of dissolved gases at hydrophobic surfaces in water and sodium chloride solutions: Implications for coal flotation. <i>Minerals Engineering</i> , 2009, 22, 786-792.	1.8	79
262	Tuneable Control of Interfacial Rheology and Emulsion Coalescence. <i>ChemPhysChem</i> , 2009, 10, 778-781.	1.0	31
263	Meniscus deformation and dynamics of moving contact line between poly(ethylene terephthalate) surface and glycerol-water mixtures. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2009, 4, 204-210.	0.8	0
264	Surface chemistry aspects of coal flotation in bore water. <i>International Journal of Mineral Processing</i> , 2009, 92, 177-183.	2.6	79
265	Effect of nanobubbles on friction forces between hydrophobic surfaces in water. <i>Journal of Colloid and Interface Science</i> , 2009, 329, 202-207.	5.0	23
266	The importance of aspect ratio in profile analysis tensiometry. <i>Journal of Colloid and Interface Science</i> , 2009, 330, 501-504.	5.0	1
267	Systematically altering the hydrophobic nanobubble bridging capillary force from attractive to repulsive. <i>Journal of Colloid and Interface Science</i> , 2009, 333, 800-806.	5.0	39
268	Anomalous thickness variation of the foam films stabilized by weak non-ionic surfactants. <i>Journal of Colloid and Interface Science</i> , 2009, 337, 538-547.	5.0	34
269	A review of factors that affect contact angle and implications for flotation practice. <i>Advances in Colloid and Interface Science</i> , 2009, 150, 106-115.	7.0	403
270	Carbon nanotube air-bubble interactions studied by atomic force microscopy. <i>Advanced Powder Technology</i> , 2009, 20, 257-261.	2.0	5

#	ARTICLE	IF	CITATIONS
271	Ion Specific Electrolyte Effects on Thin Film Drainage in Nonaqueous Solvents Propylene Carbonate and Formamide. <i>Langmuir</i> , 2009, 25, 9931-9937.	1.6	11
272	Anomalous Time Effect on Particle-Bubble Interactions Studied by Atomic Force Microscopy. <i>Langmuir</i> , 2009, 25, 2797-2803.	1.6	15
273	Do Liquid Films Rupture due to the So-Called Hydrophobic Force or Migration of Dissolved Gases?. <i>Langmuir</i> , 2009, 25, 3363-3368.	1.6	26
274	Photocatalytic removal of taste and odour compounds for drinking water treatment. <i>Water Science and Technology: Water Supply</i> , 2009, 9, 477-483.	1.0	4
275	Influence of turbulence intensity on particle drag coefficients. <i>Chemical Engineering Journal</i> , 2008, 135, 129-134.	6.6	47
276	Foam drainage. <i>Current Opinion in Colloid and Interface Science</i> , 2008, 13, 163-170.	3.4	90
277	Molecular features of the air/carbonate solution interface. <i>Journal of Colloid and Interface Science</i> , 2008, 318, 271-277.	5.0	45
278	Effect of ionic surfactants on drainage and equilibrium thickness of emulsion films. <i>Journal of Colloid and Interface Science</i> , 2008, 318, 358-364.	5.0	18
279	Effect of alcohol-water exchange and surface scanning on nanobubbles and the attraction between hydrophobic surfaces. <i>Journal of Colloid and Interface Science</i> , 2008, 325, 267-274.	5.0	80
280	The effect of ozonation on aggregation of humic substances on mica studied by atomic force microscopy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 329, 100-105.	2.3	2
281	Mechanochemical solid state synthesis and characterization of $Cd_xZn_{1-x}S$ nanocrystals. <i>Solid State Ionics</i> , 2008, 179, 1242-1245.	1.3	38
282	Effect of double-layer repulsion on foam film drainage. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 319, 34-42.	2.3	22
283	Adsorption of ionic surfactants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 319, 29-33.	2.3	13
284	Direct measurement of particle-bubble interaction forces using atomic force microscopy. <i>International Journal of Mineral Processing</i> , 2008, 89, 65-70.	2.6	47
285	The effect of surface treatment and slime coatings on ZnS hydrophobicity. <i>Minerals Engineering</i> , 2008, 21, 958-966.	1.8	38
286	Equilibrium Adsorption of Surfactants at the Gas-Liquid Interface. <i>Advances in Polymer Science</i> , 2008, 171, 25-55.	0.4	26
287	Anomalous Ion Effects on Rupture and Lifetime of Aqueous Foam Films Formed from Monovalent Salt Solutions up to Saturation Concentration. <i>Langmuir</i> , 2008, 24, 11587-11591.	1.6	47
288	Transcriptome for Photobiological Hydrogen Production Induced by Sulfur Deprivation in the Green Alga <i>Chlamydomonas reinhardtii</i> . <i>Eukaryotic Cell</i> , 2008, 7, 1965-1979.	3.4	136

#	ARTICLE	IF	CITATIONS
289	Effect of hydrodynamics, interface capillarity and molecular kinetics on wetting and dewetting on small cylindrical surfaces. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2008, 3, 30-35.	0.8	2
290	One-step analysis of bubble-particle capture interaction in dissolved-air flotation. <i>International Journal of Environment and Pollution</i> , 2007, 30, 231.	0.2	13
291	Air bubble and oil droplet interactions in centrifugal fields during air-sparged hydrocyclone flotation. <i>International Journal of Environment and Pollution</i> , 2007, 30, 313.	0.2	22
292	Effect of aluminium sulphate on interactions between silica surfaces studied by atomic force microscopy. <i>Water Research</i> , 2007, 41, 3449-3457.	5.3	7
293	Effect of sodium dodecyl sulphate and dodecanol mixtures on foam film drainage: Examining influence of surface rheology and intermolecular forces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 293, 229-240.	2.3	63
294	Exact and approximate expressions for resistance coefficients of a colloidal sphere approaching a solid surface at intermediate Reynolds numbers. <i>Applied Mathematical Modelling</i> , 2007, 31, 763-769.	2.2	4
295	A novel technique for improving interferometric determination of emulsion film thickness by digital filtration. <i>Journal of Colloid and Interface Science</i> , 2007, 306, 449-453.	5.0	17
296	Nucleobases modified azopolysiloxanes, materials with potential application in biomolecules nanomanipulation. <i>Journal of Polymer Science Part A</i> , 2007, 45, 4240-4248.	2.5	26
297	Collection and Attachment of Particles by Air Bubbles in Froth Flotation. , 2006, , 328-382.		3
298	Selective attachment and spreading of hydroxamic acid-alcohol collector mixtures in phosphate flotation. <i>International Journal of Mineral Processing</i> , 2006, 78, 122-130.	2.6	34
299	Interaction of calcium dioleate collector colloids with calcite and fluorite surfaces as revealed by AFM force measurements and molecular dynamics simulation. <i>International Journal of Mineral Processing</i> , 2006, 81, 166-177.	2.6	65
300	Effect of the bubble size on the dynamic adsorption of frothers and collectors in flotation. <i>International Journal of Mineral Processing</i> , 2006, 79, 18-26.	2.6	26
301	Computational validation of the Generalized Sutherland Equation for bubble-particle encounter efficiency in flotation. <i>International Journal of Mineral Processing</i> , 2006, 81, 141-148.	2.6	22
302	Computational fluid dynamics modelling of gas jets impinging onto liquid pools. <i>Applied Mathematical Modelling</i> , 2006, 30, 1472-1484.	2.2	68
303	Demonstration of a minimum in the recovery of nanoparticles by flotation: Theory and experiment. <i>Chemical Engineering Science</i> , 2006, 61, 2494-2509.	1.9	73
304	Adsorption of carbonate and bicarbonate salts at the air-brine interface. <i>International Journal of Mineral Processing</i> , 2006, 81, 149-158.	2.6	25
305	Combining hydrodynamics and molecular kinetics to predict dewetting between a small bubble and a solid surface. <i>Journal of Colloid and Interface Science</i> , 2006, 296, 669-676.	5.0	25
306	Dynamic adsorption of beta-casein at the gas-liquid interface. <i>Food Hydrocolloids</i> , 2006, 20, 299-304.	5.6	14

#	ARTICLE	IF	CITATIONS
307	Dewetting kinetics on silica substrates: Three phase contact expansion measurements for aqueous dodecylammonium chloride films. <i>Minerals Engineering</i> , 2006, 19, 651-658.	1.8	16
308	Sliding of fine particles on the slip surface of rising gas bubbles: Resistance of liquid shear flows. <i>International Journal of Multiphase Flow</i> , 2005, 31, 492-513.	1.6	9
309	Effects of surfactant adsorption and surface forces on thinning and rupture of foam liquid films. <i>International Journal of Mineral Processing</i> , 2005, 77, 1-45.	2.6	54
310	Heterocoagulation of chalcopyrite and pyrite minerals in flotation separation. <i>Advances in Colloid and Interface Science</i> , 2005, 114-115, 227-237.	7.0	78
311	Critical thickness of microscopic thin liquid films. <i>Advances in Colloid and Interface Science</i> , 2005, 114-115, 133-146.	7.0	86
312	Surface foam film waves studied with high-speed linescan camera. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 262, 23-32.	2.3	8
313	Influence of sodium dodecyl sulphate and Dowfroth frothers on froth stability. <i>Minerals Engineering</i> , 2005, 18, 311-315.	1.8	41
314	Dynamic adsorption of sodium dodecylbenzene sulphonate and dowfroth 250 onto the air-water interface. <i>Minerals Engineering</i> , 2005, 18, 599-603.	1.8	30
315	Effect of sodium dodecylbenzene sulfonate on the motion of three-phase contact lines on the Wilhelmy plate surface. <i>Journal of Colloid and Interface Science</i> , 2005, 291, 489-496.	5.0	12
316	Hydrophobic Attraction As Revealed by AFM Force Measurements and Molecular Dynamics Simulation. <i>Journal of Physical Chemistry B</i> , 2005, 109, 13112-13118.	1.2	29
317	Assessment of true flotation and entrainment in the flotation of submicron particles by fine bubbles. <i>Minerals Engineering</i> , 2004, 17, 847-853.	1.8	86
318	Movement of fine particles on an air bubble surface studied using high-speed video microscopy. <i>Journal of Colloid and Interface Science</i> , 2004, 273, 271-277.	5.0	41
319	Hydrodynamic interaction between an air bubble and a particle: atomic force microscopy measurements. <i>Experimental Thermal and Fluid Science</i> , 2004, 28, 387-394.	1.5	48
320	Exact and global rational approximate expressions for resistance coefficients for a colloidal solid sphere moving in a quiescent liquid parallel to a slip gas-liquid interface. <i>Journal of Colloid and Interface Science</i> , 2004, 273, 262-270.	5.0	13
321	Attachment interaction between air bubbles and particles in froth flotation. <i>Experimental Thermal and Fluid Science</i> , 2004, 28, 381-385.	1.5	59
322	Interpretation of negative values of the interaction parameter in the adsorption equation through the effects of surface layer heterogeneity. <i>Advances in Colloid and Interface Science</i> , 2004, 112, 31-36.	7.0	19
323	Zeta-potentials of self-assembled surface micelles of ionic surfactants adsorbed at hydrophobic graphite surfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 250, 519-526.	2.3	57
324	Globally cohesive drops without interfacial tension. <i>Chemical Physics Letters</i> , 2004, 397, 417-421.	1.2	4

#	ARTICLE	IF	CITATIONS
325	Influence of dewetting kinetics on bubble-particle interaction. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 429-433.	1.3	7
326	Bubble-Particle Interaction Measured by Atomic Force Microscopy. <i>Journal of Chemical Engineering of Japan</i> , 2004, 37, 231-237.	0.3	6
327	A study of bubble-particle interaction using atomic force microscopy. <i>Minerals Engineering</i> , 2003, 16, 1173-1181.	1.8	84
328	Influence of gas flow rate and frothers on water recovery in a froth column. <i>Minerals Engineering</i> , 2003, 16, 1143-1147.	1.8	32
329	Increasing gas-liquid contacting using a confined plunging liquid jet. <i>Journal of Chemical Technology and Biotechnology</i> , 2003, 78, 269-275.	1.6	7
330	The dynamic nature of contact angles as measured by atomic force microscopy. <i>Journal of Colloid and Interface Science</i> , 2003, 262, 303-306.	5.0	46
331	New method and equations for determining attachment tenacity and particle size limit in flotation. <i>International Journal of Mineral Processing</i> , 2003, 68, 167-182.	2.6	69
332	Attraction between hydrophobic surfaces studied by atomic force microscopy. <i>International Journal of Mineral Processing</i> , 2003, 72, 215-225.	2.6	85
333	Investigations of bubble-particle interactions. <i>International Journal of Mineral Processing</i> , 2003, 72, 239-254.	2.6	86
334	Assessment of Hydrodynamic and Molecular-Kinetic Models Applied to the Motion of the Dewetting Contact Line between a Small Bubble and a Solid Surface. <i>Langmuir</i> , 2003, 19, 6796-6801.	1.6	40
335	Stream function, flow separation and force equation for stagnation flow passing a small solid sphere touching a rising gas bubble. <i>Journal of Physics A</i> , 2003, 36, 9105-9117.	1.6	2
336	Bubble Breakup and Coalescence in a Plunging Liquid Jet Bubble Column. <i>Canadian Journal of Chemical Engineering</i> , 2003, 81, 519-527.	0.9	15
337	The Liquid Flow Force on a Particle in the Bubble-Particle Interaction in Flotation. <i>Journal of Colloid and Interface Science</i> , 2002, 246, 100-104.	5.0	9
338	Liquid Drainage in Single Plateau Borders of Foam. <i>Journal of Colloid and Interface Science</i> , 2002, 249, 194-199.	5.0	96
339	Empirical Equations for Meniscus Depression by Particle Attachment. <i>Journal of Colloid and Interface Science</i> , 2002, 249, 147-151.	5.0	21
340	Influence of Electrical Double-Layer Interaction on Coal Flotation. <i>Journal of Colloid and Interface Science</i> , 2002, 250, 337-343.	5.0	72
341	Axisymmetric approach of a solid sphere toward a non-deformable planar slip interface in the normal stagnation flow-development of global rational approximations for resistance coefficients. <i>International Journal of Multiphase Flow</i> , 2002, 28, 1369-1380.	1.6	25
342	A simple method for predicting equilibrium composition of leaching systems. <i>Minerals Engineering</i> , 2001, 14, 359-364.	1.8	1

#	ARTICLE	IF	CITATIONS
343	Prediction of van der Waals interaction in bubble-particle attachment in flotation. International Journal of Mineral Processing, 2001, 61, 155-169.	2.6	29
344	Improved Approximation of Water Dielectric Permittivity for Calculation of Hamaker Constants. Journal of Colloid and Interface Science, 2000, 229, 648-651.	5.0	22
345	Historical Note on the Stefan-Reynolds Equations. Journal of Colloid and Interface Science, 2000, 231, 195.	5.0	17
346	Simple Approximate Expressions for Electrical Double-Layer Interaction at Constant Moderate Potentials. Journal of Colloid and Interface Science, 2000, 230, 205-209.	5.0	18
347	Time of gas-solid-liquid three-phase contact expansion in flotation. International Journal of Mineral Processing, 1999, 56, 117-132.	2.6	23
348	Hydrodynamics of liquid flows around air bubbles in flotation: a review. International Journal of Mineral Processing, 1999, 56, 165-205.	2.6	51
349	Particle interaction with the wall surface in two-phase gas-solid particle flow. International Journal of Multiphase Flow, 1999, 25, 139-154.	1.6	15
350	Prediction of bubble terminal velocities in contaminated water. AIChE Journal, 1998, 44, 226-230.	1.8	41
351	Dewetting kinetics between a gas bubble and a flat solid surface and the effect of three-phase solid-gas-liquid contact line tension. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1998, 142, 257-264.	2.3	16
352	On modelling of bubble-particle attachment probability in flotation. International Journal of Mineral Processing, 1998, 53, 225-249.	2.6	144
353	Particle-bubble encounter probability with mobile bubble surfaces. International Journal of Mineral Processing, 1998, 55, 73-86.	2.6	37
354	Dynamics of the impact interaction between a fine solid sphere and a plane Gas-Liquid interface. Studies in Interface Science, 1998, 6, 525-562.	0.0	2
355	Contact time during impact of a spherical particle against a plane gas-liquid interface: experiment. International Journal of Mineral Processing, 1997, 50, 113-125.	2.6	17
356	Contact time during impact of a spherical particle against a plane gas-liquid interface: theory. International Journal of Mineral Processing, 1997, 50, 97-111.	2.6	20
357	An improved formula for terminal velocity of rigid spheres. International Journal of Mineral Processing, 1997, 50, 53-61.	2.6	34
358	Elementary steps in particle-bubble attachment. International Journal of Mineral Processing, 1997, 51, 183-195.	2.6	110
359	Order of Three-Phase (Solid-Liquid-Gas) Contact Line Tension Probed by Simulation of Three-Phase Contact Line Expansion on Small Hydrophobic Spheres. Journal of Colloid and Interface Science, 1997, 187, 547-550.	5.0	18
360	The Collision between Fine Particles and Single Air Bubbles in Flotation. Journal of Colloid and Interface Science, 1994, 162, 123-128.	5.0	52

#	ARTICLE	IF	CITATIONS
361	A simple algorithm for the calculation of the terminal velocity of a single solid sphere in water. International Journal of Mineral Processing, 1994, 41, 305-310.	2.6	9
362	Probability of collision between particles and bubbles in flotation: the theoretical inertialess model involving a swarm of bubbles in pulp phase. International Journal of Mineral Processing, 1994, 40, 155-169.	2.6	18
363	Mechanochemically Synthesised Zn _x Cd _{1-x} S Nanoparticles for Solar Energy Applications. Journal of Nano Research, 0, 18-19, 247-256.	0.8	11
364	Nanobubbles. , 0, , 4895-4908.		0