Anh V Nguyen

List of Publications by Year in descending order

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		19657	51608
364	13,014	61	86
papers	citations	h-index	g-index
373	373	373	9211
all docs	docs citations	times ranked	citing authors

ΔΝΗ V ΝΟυνέν

#	Article	IF	CITATIONS
1	A review of factors that affect contact angle and implications for flotation practice. Advances in Colloid and Interface Science, 2009, 150, 106-115.	14.7	403
2	Nanobubbles and the nanobubble bridging capillary force. Advances in Colloid and Interface Science, 2010, 154, 30-55.	14.7	278
3	A critical review of the growth, drainage and collapse of foams. Advances in Colloid and Interface Science, 2016, 228, 55-70.	14.7	231
4	Particle interactions in kaolinite suspensions and corresponding aggregate structures. Journal of Colloid and Interface Science, 2011, 359, 95-103.	9.4	206
5	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. Advances in Colloid and Interface Science, 2010, 159, 1-21.	14.7	203
6	Theoretical and experimental analysis of droplet evaporation on solid surfaces. Chemical Engineering Science, 2012, 69, 522-529.	3.8	178
7	On modelling of bubble–particle attachment probability in flotation. International Journal of Mineral Processing, 1998, 53, 225-249.	2.6	144
8	Transcriptome for Photobiological Hydrogen Production Induced by Sulfur Deprivation in the Green Alga <i>Chlamydomonas reinhardtii</i> . Eukaryotic Cell, 2008, 7, 1965-1979.	3.4	136
9	Recent Advances and Future Perspectives on Microfluidic Liquid Handling. Micromachines, 2017, 8, 186.	2.9	131
10	Effect of mechanical and chemical clay removals by hydrocyclone and dispersants on coal flotation. Minerals Engineering, 2010, 23, 413-419.	4.3	129
11	Particle–bubble interaction and attachment in flotation. Chemical Engineering Science, 2011, 66, 5910-5921.	3.8	123
12	Adsorption and surface tension analysis of concentrated alkali halide brine solutions. Minerals Engineering, 2009, 22, 263-271.	4.3	113
13	Characterisation of sphalerite and pyrite surfaces activated by copper sulphate. Minerals Engineering, 2017, 100, 223-232.	4.3	113
14	A review of the mechanisms and models of bubble-particle detachment in froth flotation. Separation and Purification Technology, 2016, 170, 155-172.	7.9	111
15	Elementary steps in particle—bubble attachment. International Journal of Mineral Processing, 1997, 51, 183-195.	2.6	110
16	Evaporation of Nanoparticle Droplets on Smooth Hydrophobic Surfaces: The Inner Coffee Ring Deposits. Journal of Physical Chemistry C, 2013, 117, 4707-4716.	3.1	109
17	A quantitative review of the transition salt concentration for inhibiting bubble coalescence. Advances in Colloid and Interface Science, 2015, 222, 305-318.	14.7	104
18	Hydrophobic Effect on Gas Hydrate Formation in the Presence of Additives. Energy & Fuels, 2017, 31, 10311-10323.	5.1	104

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19	RGD peptide functionalized and reconstituted highâ€density lipoprotein nanoparticles as a versatile and multimodal tumor targeting molecular imaging probe. FASEB Journal, 2010, 24, 1689-1699.	0.5	102
20	Manipulation of liquid marbles. Microfluidics and Nanofluidics, 2015, 19, 483-495.	2.2	100
21	Digital polymerase chain reaction technology – recent advances and future perspectives. Lab on A Chip, 2018, 18, 3717-3732.	6.0	98
22	Dewatering of coal plant tailings: Flocculation followed by filtration. Fuel, 2011, 90, 26-35.	6.4	97
23	Liquid Drainage in Single Plateau Borders of Foam. Journal of Colloid and Interface Science, 2002, 249, 194-199.	9.4	96
24	Critical Review on Gas Hydrate Formation at Solid Surfaces and in Confined Spaces—Why and How Does Interfacial Regime Matter?. Energy & Fuels, 2020, 34, 6751-6760.	5.1	95
25	Interfacial Gas Enrichment at Hydrophobic Surfaces and the Origin of Promotion of Gas Hydrate Formation by Hydrophobic Solid Particles. Journal of Physical Chemistry C, 2017, 121, 3830-3840.	3.1	94
26	Storage induced changes to high protein powders: influence on surface properties and solubility. Journal of the Science of Food and Agriculture, 2011, 91, 2566-2575.	3.5	91
27	Flotation of coal particles in MgCl2, NaCl, and NaClO3 solutions in the absence and presence of Dowfroth 250. International Journal of Mineral Processing, 2011, 98, 137-144.	2.6	91
28	Foam drainage. Current Opinion in Colloid and Interface Science, 2008, 13, 163-170.	7.4	90
29	Nanobubbles Do Not Sit Alone at the Solid–Liquid Interface. Langmuir, 2013, 29, 6123-6130.	3.5	87
30	Investigations of bubble–particle interactions. International Journal of Mineral Processing, 2003, 72, 239-254.	2.6	86
31	Assessment of true flotation and entrainment in the flotation of submicron particles by fine bubbles. Minerals Engineering, 2004, 17, 847-853.	4.3	86
32	Critical thickness of microscopic thin liquid films. Advances in Colloid and Interface Science, 2005, 114-115, 133-146.	14.7	86
33	Attraction between hydrophobic surfaces studied by atomic force microscopy. International Journal of Mineral Processing, 2003, 72, 215-225.	2.6	85
34	A study of bubble–particle interaction using atomic force microscopy. Minerals Engineering, 2003, 16, 1173-1181.	4.3	84
35	Chemical and mineral transformation of a low grade goethite ore by dehydroxylation, reduction roasting and magnetic separation. Minerals Engineering, 2014, 60, 14-22.	4.3	82
36	Effect of alcohol–water exchange and surface scanning on nanobubbles and the attraction between hydrophobic surfaces. Journal of Colloid and Interface Science, 2008, 325, 267-274.	9.4	80

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37	Accumulation of dissolved gases at hydrophobic surfaces in water and sodium chloride solutions: Implications for coal flotation. Minerals Engineering, 2009, 22, 786-792.	4.3	79
38	Surface chemistry aspects of coal flotation in bore water. International Journal of Mineral Processing, 2009, 92, 177-183.	2.6	79
39	Heterocoagulation of chalcopyrite and pyrite minerals in flotation separation. Advances in Colloid and Interface Science, 2005, 114-115, 227-237.	14.7	78
40	Digital microfluidics with a magnetically actuated floating liquid marble. Lab on A Chip, 2016, 16, 2211-2218.	6.0	78
41	Control Preparation of Zinc Hydroxide Nitrate Nanocrystals and Examination of the Chemical and Structural Stability. Journal of Physical Chemistry C, 2012, 116, 10325-10332.	3.1	77
42	XPS analysis of the surface chemistry of sulfuric acid-treated kaolinite and diaspore minerals with flotation reagents. Minerals Engineering, 2019, 136, 1-7.	4.3	75
43	Demonstration of a minimum in the recovery of nanoparticles by flotation: Theory and experiment. Chemical Engineering Science, 2006, 61, 2494-2509.	3.8	73
44	Hydrophobically-associating cationic polymers as micro-bubble surface modifiers in dissolved air flotation for cyanobacteria cell separation. Water Research, 2014, 61, 253-262.	11.3	73
45	A review of principles and applications of magnetic flocculation to separate ultrafine magnetic particles. Separation and Purification Technology, 2017, 172, 85-99.	7.9	73
46	Influence of Electrical Double-Layer Interaction on Coal Flotation. Journal of Colloid and Interface Science, 2002, 250, 337-343.	9.4	72
47	Shear-induced floc structure changes for enhanced dewatering of coal preparation plant tailings. Chemical Engineering Journal, 2011, 172, 914-923.	12.7	70
48	A review of stochastic description of the turbulence effect on bubble-particle interactions in flotation. International Journal of Mineral Processing, 2016, 156, 75-86.	2.6	70
49	New method and equations for determining attachment tenacity and particle size limit in flotation. International Journal of Mineral Processing, 2003, 68, 167-182.	2.6	69
50	Origin of Interfacial Nanoscopic Gaseous Domains and Formation of Dense Gas Layer at Hydrophobic Solid–Water Interface. Langmuir, 2013, 29, 15266-15274.	3.5	69
51	Influence of Sodium Halides on the Kinetics of CO ₂ Hydrate Formation. Energy & Fuels, 2014, 28, 1220-1229.	5.1	69
52	The dual effect of sodium halides on the formation of methane gas hydrate. Fuel, 2015, 156, 87-95.	6.4	69
53	Effects of surface rheology and surface potential on foam stability. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 488, 70-81.	4.7	69
54	Computational fluid dynamics modelling of gas jets impinging onto liquid pools. Applied Mathematical Modelling, 2006, 30, 1472-1484.	4.2	68

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55	Increased Evaporation Kinetics of Sessile Droplets by Using Nanoparticles. Langmuir, 2012, 28, 16725-16728.	3.5	68
56	Surface chemistry of Pb-activated sphalerite. Minerals Engineering, 2020, 145, 106058.	4.3	68
57	Formation and stability of foams stabilized by fine particles with similar size, contact angle and different shapes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 382, 132-138.	4.7	67
58	Improving coal flotation using the mixture of candle soot and hydrocarbon oil as a novel flotation collector. Journal of Cleaner Production, 2018, 195, 1183-1189.	9.3	67
59	Interaction of calcium dioleate collector colloids with calcite and fluorite surfaces as revealed by AFM force measurements and molecular dynamics simulation. International Journal of Mineral Processing, 2006, 81, 166-177.	2.6	65
60	A floating self-propelling liquid marble containing aqueous ethanol solutions. RSC Advances, 2015, 5, 101006-101012.	3.6	65
61	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.	14.7	65
62	Effect of sodium dodecyl sulphate and dodecanol mixtures on foam film drainage: Examining influence of surface rheology and intermolecular forces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 293, 229-240.	4.7	63
63	On the Lifetime of Evaporating Sessile Droplets. Langmuir, 2012, 28, 1924-1930.	3.5	62
64	Influence of surface orientation on the organization of nanoparticles in drying nanofluid droplets. Journal of Colloid and Interface Science, 2012, 377, 456-462.	9.4	61
65	Liquid Marbles as Miniature Reactors for Chemical and Biological Applications. Processes, 2020, 8, 793.	2.8	60
66	Attachment interaction between air bubbles and particles in froth flotation. Experimental Thermal and Fluid Science, 2004, 28, 381-385.	2.7	59
67	Physical and Chemical Analysis of Elemental Sulfur Formation during Galena Surface Oxidation. Langmuir, 2011, 27, 4190-4201.	3.5	58
68	Zeta-potentials of self-assembled surface micelles of ionic surfactants adsorbed at hydrophobic graphite surfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 250, 519-526.	4.7	57
69	Influence of Dryer Type on Surface Characteristics of Milk Powders. Drying Technology, 2011, 29, 758-769.	3.1	57
70	The effect of zeolite treatment by acids on sodium adsorption ratio of coal seam gas water. Water Research, 2012, 46, 5247-5254.	11.3	57
71	Effects of surfactant adsorption and surface forces on thinning and rupture of foam liquid films. International Journal of Mineral Processing, 2005, 77, 1-45.	2.6	54
72	Fundamental Investigation of the Effects of Hydrophobic Fumed Silica on the Formation of Carbon Dioxide Gas Hydrates. Energy & Fuels, 2014, 28, 7025-7037.	5.1	54

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73	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. Catalysis Science and Technology, 2016, 6, 5871-5883.	4.1	53
74	The Collision between Fine Particles and Single Air Bubbles in Flotation. Journal of Colloid and Interface Science, 1994, 162, 123-128.	9.4	52
75	A concise review of nanoscopic aspects of bioleaching bacteria–mineral interactions. Advances in Colloid and Interface Science, 2014, 212, 45-63.	14.7	52
76	Hydrodynamics of liquid flows around air bubbles in flotation: a review. International Journal of Mineral Processing, 1999, 56, 165-205.	2.6	51
77	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.	5.6	51
78	Coalescence Processes of Droplets and Liquid Marbles. Micromachines, 2017, 8, 336.	2.9	50
79	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.	4.1	49
80	Fundamental aspects of bubble–particle attachment mechanism in flotation separation. Minerals Engineering, 2014, 65, 187-195.	4.3	49
81	Attractive Forces between Hydrophobic Solid Surfaces Measured by AFM on the First Approach in Salt Solutions and in the Presence of Dissolved Gases. Langmuir, 2015, 31, 1941-1949.	3.5	49
82	Foam drainage in the presence of solid particles. Soft Matter, 2016, 12, 3004-3012.	2.7	49
83	Hydrodynamic interaction between an air bubble and a particle: atomic force microscopy measurements. Experimental Thermal and Fluid Science, 2004, 28, 387-394.	2.7	48
84	A relationship between the bubble–particle attachment time and the mineralogy of a copper–sulphide ore. Minerals Engineering, 2011, 24, 1335-1339.	4.3	48
85	Unexpected inhibition of CO2 gas hydrate formation in dilute TBAB solutions and the critical role of interfacial water structure. Fuel, 2016, 185, 517-523.	6.4	48
86	Novel catalysis mechanisms of benzohydroxamic acid adsorption by lead ions and changes in the surface of scheelite particles. Minerals Engineering, 2018, 119, 11-22.	4.3	48
87	Influence of turbulence intensity on particle drag coefficients. Chemical Engineering Journal, 2008, 135, 129-134.	12.7	47
88	Direct measurement of particle–bubble interaction forces using atomic force microscopy. International Journal of Mineral Processing, 2008, 89, 65-70.	2.6	47
89	Anomalous Ion Effects on Rupture and Lifetime of Aqueous Foam Films Formed from Monovalent Salt Solutions up to Saturation Concentration. Langmuir, 2008, 24, 11587-11591.	3.5	47
90	The effect of microhydrodynamics on bubble–particle collision interaction. Minerals Engineering, 2011, 24, 973-986.	4.3	47

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91	Replacing Petrov's process with atmospheric flotation using Pb-BHA complexes for separating scheelite from fluorite. Minerals Engineering, 2020, 145, 106053.	4.3	47
92	The dynamic nature of contact angles as measured by atomic force microscopy. Journal of Colloid and Interface Science, 2003, 262, 303-306.	9.4	46
93	Molecular features of the air/carbonate solution interface. Journal of Colloid and Interface Science, 2008, 318, 271-277.	9.4	45
94	Deformation of a floating liquid marble. Soft Matter, 2015, 11, 4576-4583.	2.7	44
95	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.	2.1	44
96	Heterocoagulation of alumina and quartz studied by zeta potential distribution and particle size distribution measurements. Powder Technology, 2017, 309, 1-12.	4.2	44
97	Effect of contact angle and contact angle hysteresis on the floatability of spheres at the air-water interface. Advances in Colloid and Interface Science, 2017, 248, 69-84.	14.7	44
98	Liquid marbles as biochemical reactors for the polymerase chain reaction. Lab on A Chip, 2019, 19, 3220-3227.	6.0	44
99	Floating mechanism of a small liquid marble. Scientific Reports, 2016, 6, 21777.	3.3	43
100	The inhibition of methane hydrate formation by water alignment underneath surface adsorption of surfactants. Fuel, 2017, 197, 488-496.	6.4	43
101	Understanding the role of ion interactions in soluble salt flotation with alkylammonium and alkylsulfate collectors. Advances in Colloid and Interface Science, 2011, 163, 1-22.	14.7	42
102	Prediction of bubble terminal velocities in contaminated water. AICHE Journal, 1998, 44, 226-230.	3.6	41
103	Movement of fine particles on an air bubble surface studied using high-speed video microscopy. Journal of Colloid and Interface Science, 2004, 273, 271-277.	9.4	41
104	Influence of sodium dodecyl sulphate and Dowfroth frothers on froth stability. Minerals Engineering, 2005, 18, 311-315.	4.3	41
105	Column bioleaching of low-grade copper ore by Acidithiobacillus ferrooxidans in pure and mixed cultures with a heterotrophic acidophile Acidiphilium sp Hydrometallurgy, 2013, 131-132, 93-98.	4.3	41
106	Liquid marble-based digital microfluidics – fundamentals and applications. Lab on A Chip, 2021, 21, 1199-1216.	6.0	41
107	Assessment of Hydrodynamic and Molecular-Kinetic Models Applied to the Motion of the Dewetting Contact Line between a Small Bubble and a Solid Surface. Langmuir, 2003, 19, 6796-6801.	3.5	40
108	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.	4.3	40

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109	Systematically altering the hydrophobic nanobubble bridging capillary force from attractive to repulsive. Journal of Colloid and Interface Science, 2009, 333, 800-806.	9.4	39
110	Accumulation and distribution of zinc in the leaves and roots of the hyperaccumulator Noccaea caerulescens. Environmental and Experimental Botany, 2015, 110, 85-95.	4.2	39
111	Mechanochemical solid state synthesis and characterization of CdxZn1â^xS nanocrystals. Solid State Ionics, 2008, 179, 1242-1245.	2.7	38
112	The effect of surface treatment and slime coatings on ZnS hydrophobicity. Minerals Engineering, 2008, 21, 958-966.	4.3	38
113	Comparative validation of the analytical models for the Marangoni effect on foam film drainage. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 365, 122-136.	4.7	38
114	A critical review of surface properties and selective flotation of enargite in sulphide systems. Minerals Engineering, 2012, 30, 1-11.	4.3	38
115	Influence of liberation on bubble–particle attachment time in flotation. Minerals Engineering, 2015, 74, 156-162.	4.3	38
116	Particle–bubble encounter probability with mobile bubble surfaces. International Journal of Mineral Processing, 1998, 55, 73-86.	2.6	37
117	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.	5.0	37
118	A review of the surface features and properties, surfactant adsorption and floatability of four key minerals of diasporic bauxite resources. Advances in Colloid and Interface Science, 2018, 254, 56-75.	14.7	37
119	Analytical Model for Diffusive Evaporation of Sessile Droplets Coupled with Interfacial Cooling Effect. Langmuir, 2018, 34, 6955-6962.	3.5	37
120	Time-Course Global Expression Profiles of Chlamydomonas reinhardtii during Photo-Biological H2 Production. PLoS ONE, 2011, 6, e29364.	2.5	37
121	The impact of line tension on the contact angle of nanodroplets. Molecular Simulation, 2014, 40, 934-941.	2.0	36
122	Liquid marble coalescence <i>via</i> vertical collision. Soft Matter, 2018, 14, 4160-4168.	2.7	36
123	A review of aqueous foam in microscale. Advances in Colloid and Interface Science, 2018, 256, 203-229.	14.7	36
124	Evaporation dynamics of liquid marbles at elevated temperatures. RSC Advances, 2018, 8, 15436-15443.	3.6	36
125	Contact angle and bubble attachment studies in the flotation of trona and other soluble carbonate salts. Minerals Engineering, 2009, 22, 168-175.	4.3	35
126	Evaporation of Ethanol–Water Binary Mixture Sessile Liquid Marbles. Langmuir, 2016, 32, 6097-6104.	3.5	35

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127	Zinc and lead accumulation characteristics and in vivo distribution of Zn2+ in the hyperaccumulator Noccaea caerulescens elucidated with fluorescent probes and laser confocal microscopy. Environmental and Experimental Botany, 2018, 147, 1-12.	4.2	35
128	The link between the kinetics of gas hydrate formation and surface ion distribution in the low salt concentration regime. Fuel, 2019, 240, 309-316.	6.4	35
129	An improved formula for terminal velocity of rigid spheres. International Journal of Mineral Processing, 1997, 50, 53-61.	2.6	34
130	Selective attachment and spreading of hydroxamic acid–alcohol collector mixtures in phosphate flotation. International Journal of Mineral Processing, 2006, 78, 122-130.	2.6	34
131	Anomalous thickness variation of the foam films stabilized by weak non-ionic surfactants. Journal of Colloid and Interface Science, 2009, 337, 538-547.	9.4	34
132	Interfacial Water Structure at Surfactant Concentrations below and above the Critical Micelle Concentration as Revealed by Sum Frequency Generation Vibrational Spectroscopy. Journal of Physical Chemistry C, 2015, 119, 15477-15481.	3.1	34
133	A significant improvement of scheelite recovery using recycled flotation wastewater treated by hydrometallurgical waste acid. Journal of Cleaner Production, 2017, 151, 419-426.	9.3	34
134	Effects of alkyl ether amine and calcium ions on fine quartz flotation and its guidance for upgrading vanadium from stone coal. Powder Technology, 2018, 338, 180-189.	4.2	34
135	Specificity and affinity of multivalent ions adsorption to kaolinite surface. Applied Clay Science, 2020, 190, 105557.	5.2	34
136	X-ray photoelectron spectroscopic investigation into the surface effects of sulphuric acid treated natural zeolite. Powder Technology, 2016, 295, 27-34.	4.2	33
137	The effect of gas-wetting nano-particle on the fluid flowing behavior in porous media. Fuel, 2017, 196, 431-441.	6.4	33
138	Influence of gas flow rate and frothers on water recovery in a froth column. Minerals Engineering, 2003, 16, 1143-1147.	4.3	32
139	Assessing the Hydrophobicity of Petrographically Heterogeneous Coal Surfaces. Energy & Fuels, 2010, 24, 5965-5971.	5.1	32
140	Determination of contact angle by molecular simulation using number and atomic density contours. Molecular Simulation, 2012, 38, 945-952.	2.0	32
141	The role of surface interaction forces and mixing in enhanced dewatering of coal preparation tailings. Fuel, 2012, 97, 262-268.	6.4	32
142	Synergistic effects of surfactant-flocculant mixtures on ultrafine coal dewatering and their linkage with interfacial chemistry. Journal of Cleaner Production, 2019, 232, 953-965.	9.3	32
143	From Surface Tension to Molecular Distribution: Modeling Surfactant Adsorption at the Air–Water Interface. Langmuir, 2021, 37, 2237-2255.	3.5	32
144	Tuneable Control of Interfacial Rheology and Emulsion Coalescence. ChemPhysChem, 2009, 10, 778-781.	2.1	31

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145	Core-Shell Beads Made by Composite Liquid Marble Technology as A Versatile Microreactor for Polymerase Chain Reaction. Micromachines, 2020, 11, 242.	2.9	31
146	Technical and economic perspectives of hydrate-based carbon dioxide capture. Applied Energy, 2022, 307, 118237.	10.1	31
147	Dynamic adsorption of sodium dodecylbenzene sulphonate and dowfroth 250 onto the air–water interface. Minerals Engineering, 2005, 18, 599-603.	4.3	30
148	Crystal lattice imaging of the silica and alumina faces of kaolinite using atomic force microscopy. Journal of Colloid and Interface Science, 2010, 352, 75-80.	9.4	30
149	Drainage, Rupture, and Lifetime of Deionized Water Films: Effect of Dissolved Gases?. Langmuir, 2010, 26, 3356-3363.	3.5	30
150	A critical review of the model fitting quality and parameter stability of equilibrium adsorption models. Advances in Colloid and Interface Science, 2018, 262, 50-68.	14.7	30
151	Advanced solid-liquid separation for dewatering fine coal tailings by combining chemical reagents and solid bowl centrifugation. Separation and Purification Technology, 2021, 259, 118172.	7.9	30
152	Prediction of van der Waals interaction in bubble–particle attachment in flotation. International Journal of Mineral Processing, 2001, 61, 155-169.	2.6	29
153	Hydrophobic Attraction As Revealed by AFM Force Measurements and Molecular Dynamics Simulation. Journal of Physical Chemistry B, 2005, 109, 13112-13118.	2.6	29
154	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. Journal of Physical Chemistry C, 2013, 117, 2113-2120.	3.1	29
155	Dynamic behaviour of a magnetically actuated floating liquid marble. Microfluidics and Nanofluidics, 2017, 21, 1.	2.2	28
156	Capillarity: revisiting the fundamentals of liquid marbles. Microfluidics and Nanofluidics, 2020, 24, 1.	2.2	28
157	Developing a physically consistent model for gibbsite leaching kinetics. Hydrometallurgy, 2010, 104, 86-98.	4.3	27
158	Aggregation of Fullerol C ₆₀ (OH) ₂₄ Nanoparticles as Revealed Using Flow Field-Flow Fractionation and Atomic Force Microscopy. Langmuir, 2010, 26, 16063-16070.	3.5	27
159	Strong Cooperative Effect of Oppositely Charged Surfactant Mixtures on Their Adsorption and Packing at the Air–Water Interface and Interfacial Water Structure. Langmuir, 2014, 30, 7047-7051.	3.5	27
160	A sum-frequency generation spectroscopic study of the Gibbs analysis paradox: monolayer or sub-monolayer adsorption?. Physical Chemistry Chemical Physics, 2016, 18, 8794-8805.	2.8	27
161	Manipulation of a floating liquid marble using dielectrophoresis. Lab on A Chip, 2018, 18, 3770-3779.	6.0	27
162	Detecting the undetectable: The role of trace surfactant in the Jones-Ray effect. Journal of Chemical Physics, 2018, 149, 194702.	3.0	27

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163	Picking up and placing a liquid marble using dielectrophoresis. Microfluidics and Nanofluidics, 2018, 22, 1.	2.2	27
164	Resolving the mystery of the second charge reversal on solid surfaces in the presence of divalent heavy metal ions. Applied Surface Science, 2020, 529, 147128.	6.1	27
165	Effect of the bubble size on the dynamic adsorption of frothers and collectors in flotation. International Journal of Mineral Processing, 2006, 79, 18-26.	2.6	26
166	Nucleobases modified azoâ€polysiloxanes, materials with potential application in biomolecules nanomanipulation. Journal of Polymer Science Part A, 2007, 45, 4240-4248.	2.3	26
167	Equilibrium Adsorption of Surfactants at the Gas–Liquid Interface. Advances in Polymer Science, 2008, , 25-55.	0.8	26
168	Do Liquid Films Rupture due to the So-Called Hydrophobic Force or Migration of Dissolved Gases?. Langmuir, 2009, 25, 3363-3368.	3.5	26
169	Understanding of Bath Surface Wave in Bottom Blown Copper Smelting Furnace. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2016, 47, 135-144.	2.1	26
170	How Does the Gibbs Inequality Condition Affect the Stability and Detachment of Floating Spheres from the Free Surface of Water?. Langmuir, 2016, 32, 1988-1995.	3.5	26
171	Adsorption of ionic surfactants at the air-water interface: The gap between theory and experiment. Advances in Colloid and Interface Science, 2020, 275, 102052.	14.7	26
172	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. International Journal of Multiphase Flow, 2002, 28, 1369-1380.	3.4	25
173	Adsorption of carbonate and bicarbonate salts at the air–brine interface. International Journal of Mineral Processing, 2006, 81, 149-158.	2.6	25
174	Combining hydrodynamics and molecular kinetics to predict dewetting between a small bubble and a solid surface. Journal of Colloid and Interface Science, 2006, 296, 669-676.	9.4	25
175	Transient Volume of Evaporating Sessile Droplets: 2/3, 1/1, or Another Power Law?. Langmuir, 2014, 30, 6544-6547.	3.5	25
176	In situ investigation of halide co-ion effects on SDS adsorption at air–water interfaces. Soft Matter, 2014, 10, 6556-6563.	2.7	24
177	Kinetic studies of amyl xanthate adsorption and bubble attachment to Cu-activated sphalerite and pyrite surfaces. Minerals Engineering, 2017, 112, 36-42.	4.3	24
178	Isotropic turbulence surpasses gravity in affecting bubble-particle collision interaction in flotation. Minerals Engineering, 2018, 122, 165-175.	4.3	24
179	Interaction forces between goethite and polymeric flocculants and their effect on the flocculation of fine goethite particles. Chemical Engineering Journal, 2018, 334, 1034-1045.	12.7	24
180	The stress-strain relationship of liquid marbles under compression. Applied Physics Letters, 2019, 114, 043701.	3.3	24

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