

# Anh V Nguyen

## List of Publications by Year in descending order

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364  
papers

13,014  
citations

19636

61  
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51562

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373  
all docs

373  
docs citations

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times ranked

9211  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Nanobubbles and the nanobubble bridging capillary force. <i>Advances in Colloid and Interface Science</i> , 2010, 154, 30-55.	7.0	278
3	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
4	Particle interactions in kaolinite suspensions and corresponding aggregate structures. <i>Journal of Colloid and Interface Science</i> , 2011, 359, 95-103.	5.0	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. <i>Advances in Colloid and Interface Science</i> , 2010, 159, 1-21.	7.0	203
6	Theoretical and experimental analysis of droplet evaporation on solid surfaces. <i>Chemical Engineering Science</i> , 2012, 69, 522-529.	1.9	178
7	On modelling of bubble-particle attachment probability in flotation. <i>International Journal of Mineral Processing</i> , 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> . <i>Eukaryotic Cell</i> , 2008, 7, 1965-1979.	3.4	136
9	Recent Advances and Future Perspectives on Microfluidic Liquid Handling. <i>Micromachines</i> , 2017, 8, 186.	1.4	131
10	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
11	Particle-bubble interaction and attachment in flotation. <i>Chemical Engineering Science</i> , 2011, 66, 5910-5921.	1.9	123
12	Adsorption and surface tension analysis of concentrated alkali halide brine solutions. <i>Minerals Engineering</i> , 2009, 22, 263-271.	1.8	113
13	Characterisation of sphalerite and pyrite surfaces activated by copper sulphate. <i>Minerals Engineering</i> , 2017, 100, 223-232.	1.8	113
14	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
15	Elementary steps in particle-bubble attachment. <i>International Journal of Mineral Processing</i> , 1997, 51, 183-195.	2.6	110
16	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
17	A quantitative review of the transition salt concentration for inhibiting bubble coalescence. <i>Advances in Colloid and Interface Science</i> , 2015, 222, 305-318.	7.0	104
18	Hydrophobic Effect on Gas Hydrate Formation in the Presence of Additives. <i>Energy &amp; Fuels</i> , 2017, 31, 10311-10323.	2.5	104

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19	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
20	Manipulation of liquid marbles. <i>Microfluidics and Nanofluidics</i> , 2015, 19, 483-495.	1.0	100
21	Digital polymerase chain reaction technology – recent advances and future perspectives. <i>Lab on A Chip</i> , 2018, 18, 3717-3732.	3.1	98
22	Dewatering of coal plant tailings: Flocculation followed by filtration. <i>Fuel</i> , 2011, 90, 26-35.	3.4	97
23	Liquid Drainage in Single Plateau Borders of Foam. <i>Journal of Colloid and Interface Science</i> , 2002, 249, 194-199.	5.0	96
24	Critical Review on Gas Hydrate Formation at Solid Surfaces and in Confined Spaces – Why and How Does Interfacial Regime Matter?. <i>Energy &amp; Fuels</i> , 2020, 34, 6751-6760.	2.5	95
25	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
26	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
27	Flotation of coal particles in MgCl <sub>2</sub> , NaCl, and NaClO <sub>3</sub> solutions in the absence and presence of Dowfroth 250. <i>International Journal of Mineral Processing</i> , 2011, 98, 137-144.	2.6	91
28	Foam drainage. <i>Current Opinion in Colloid and Interface Science</i> , 2008, 13, 163-170.	3.4	90
29	Nanobubbles Do Not Sit Alone at the Solid-Liquid Interface. <i>Langmuir</i> , 2013, 29, 6123-6130.	1.6	87
30	Investigations of bubble-particle interactions. <i>International Journal of Mineral Processing</i> , 2003, 72, 239-254.	2.6	86
31	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
32	Critical thickness of microscopic thin liquid films. <i>Advances in Colloid and Interface Science</i> , 2005, 114-115, 133-146.	7.0	86
33	Attraction between hydrophobic surfaces studied by atomic force microscopy. <i>International Journal of Mineral Processing</i> , 2003, 72, 215-225.	2.6	85
34	A study of bubble-particle interaction using atomic force microscopy. <i>Minerals Engineering</i> , 2003, 16, 1173-1181.	1.8	84
35	Chemical and mineral transformation of a low grade goethite ore by dehydroxylation, reduction roasting and magnetic separation. <i>Minerals Engineering</i> , 2014, 60, 14-22.	1.8	82
36	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

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37	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
38	Surface chemistry aspects of coal flotation in bore water. <i>International Journal of Mineral Processing</i> , 2009, 92, 177-183.	2.6	79
39	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
40	Digital microfluidics with a magnetically actuated floating liquid marble. <i>Lab on A Chip</i> , 2016, 16, 2211-2218.	3.1	78
41	Control Preparation of Zinc Hydroxide Nitrate Nanocrystals and Examination of the Chemical and Structural Stability. <i>Journal of Physical Chemistry C</i> , 2012, 116, 10325-10332.	1.5	77
42	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
43	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
44	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
45	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
46	Influence of Electrical Double-Layer Interaction on Coal Flotation. <i>Journal of Colloid and Interface Science</i> , 2002, 250, 337-343.	5.0	72
47	Shear-induced floc structure changes for enhanced dewatering of coal preparation plant tailings. <i>Chemical Engineering Journal</i> , 2011, 172, 914-923.	6.6	70
48	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
49	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
50	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
51	Influence of Sodium Halides on the Kinetics of CO <sub>2</sub> Hydrate Formation. <i>Energy &amp; Fuels</i> , 2014, 28, 1220-1229.	2.5	69
52	The dual effect of sodium halides on the formation of methane gas hydrate. <i>Fuel</i> , 2015, 156, 87-95.	3.4	69
53	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
54	Computational fluid dynamics modelling of gas jets impinging onto liquid pools. <i>Applied Mathematical Modelling</i> , 2006, 30, 1472-1484.	2.2	68

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55	Increased Evaporation Kinetics of Sessile Droplets by Using Nanoparticles. <i>Langmuir</i> , 2012, 28, 16725-16728.	1.6	68
56	Surface chemistry of Pb-activated sphalerite. <i>Minerals Engineering</i> , 2020, 145, 106058.	1.8	68
57	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
58	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
59	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
60	A floating self-propelling liquid marble containing aqueous ethanol solutions. <i>RSC Advances</i> , 2015, 5, 101006-101012.	1.7	65
61	Progress on the Surface Nanobubble Story: What is in the bubble? Why does it exist?. <i>Advances in Colloid and Interface Science</i> , 2015, 222, 573-580.	7.0	65
62	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
63	On the Lifetime of Evaporating Sessile Droplets. <i>Langmuir</i> , 2012, 28, 1924-1930.	1.6	62
64	Influence of surface orientation on the organization of nanoparticles in drying nanofluid droplets. <i>Journal of Colloid and Interface Science</i> , 2012, 377, 456-462.	5.0	61
65	Liquid Marbles as Miniature Reactors for Chemical and Biological Applications. <i>Processes</i> , 2020, 8, 793.	1.3	60
66	Attachment interaction between air bubbles and particles in froth flotation. <i>Experimental Thermal and Fluid Science</i> , 2004, 28, 381-385.	1.5	59
67	Physical and Chemical Analysis of Elemental Sulfur Formation during Galena Surface Oxidation. <i>Langmuir</i> , 2011, 27, 4190-4201.	1.6	58
68	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
69	Influence of Dryer Type on Surface Characteristics of Milk Powders. <i>Drying Technology</i> , 2011, 29, 758-769.	1.7	57
70	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
71	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
72	Fundamental Investigation of the Effects of Hydrophobic Fumed Silica on the Formation of Carbon Dioxide Gas Hydrates. <i>Energy &amp; Fuels</i> , 2014, 28, 7025-7037.	2.5	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. <i>Catalysis Science and Technology</i> , 2016, 6, 5871-5883.	2.1	53
74	The Collision between Fine Particles and Single Air Bubbles in Flotation. <i>Journal of Colloid and Interface Science</i> , 1994, 162, 123-128.	5.0	52
75	A concise review of nanoscopic aspects of bioleaching bacteriaâ€“mineral interactions. <i>Advances in Colloid and Interface Science</i> , 2014, 212, 45-63.	7.0	52
76	Hydrodynamics of liquid flows around air bubbles in flotation: a review. <i>International Journal of Mineral Processing</i> , 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. <i>Chemical Engineering Research and Design</i> , 2012, 90, 33-39.	2.7	51
78	Coalescence Processes of Droplets and Liquid Marbles. <i>Micromachines</i> , 2017, 8, 336.	1.4	50
79	Effects of monovalent anions and cations on drainage and lifetime of foam films at different interface approach speeds. <i>Advanced Powder Technology</i> , 2014, 25, 1212-1219.	2.0	49
80	Fundamental aspects of bubbleâ€“particle attachment mechanism in flotation separation. <i>Minerals Engineering</i> , 2014, 65, 187-195.	1.8	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. <i>Langmuir</i> , 2015, 31, 1941-1949.	1.6	49
82	Foam drainage in the presence of solid particles. <i>Soft Matter</i> , 2016, 12, 3004-3012.	1.2	49
83	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
84	A relationship between the bubbleâ€“particle attachment time and the mineralogy of a copperâ€“sulphide ore. <i>Minerals Engineering</i> , 2011, 24, 1335-1339.	1.8	48
85	Unexpected inhibition of CO <sub>2</sub> 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
86	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
87	Influence of turbulence intensity on particle drag coefficients. <i>Chemical Engineering Journal</i> , 2008, 135, 129-134.	6.6	47
88	Direct measurement of particleâ€“bubble interaction forces using atomic force microscopy. <i>International Journal of Mineral Processing</i> , 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. <i>Langmuir</i> , 2008, 24, 11587-11591.	1.6	47
90	The effect of microhydrodynamics on bubbleâ€“particle collision interaction. <i>Minerals Engineering</i> , 2011, 24, 973-986.	1.8	47

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91	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
92	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
93	Molecular features of the air/carbonate solution interface. <i>Journal of Colloid and Interface Science</i> , 2008, 318, 271-277.	5.0	45
94	Deformation of a floating liquid marble. <i>Soft Matter</i> , 2015, 11, 4576-4583.	1.2	44
95	Mixing Phenomena in a Bottom Blown Copper Smelter: A Water Model Study. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2015, 46, 1218-1225.	1.0	44
96	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
97	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
98	Liquid marbles as biochemical reactors for the polymerase chain reaction. <i>Lab on A Chip</i> , 2019, 19, 3220-3227.	3.1	44
99	Floating mechanism of a small liquid marble. <i>Scientific Reports</i> , 2016, 6, 21777.	1.6	43
100	The inhibition of methane hydrate formation by water alignment underneath surface adsorption of surfactants. <i>Fuel</i> , 2017, 197, 488-496.	3.4	43
101	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
102	Prediction of bubble terminal velocities in contaminated water. <i>AIChE Journal</i> , 1998, 44, 226-230.	1.8	41
103	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
104	Influence of sodium dodecyl sulphate and Dowfroth frothers on froth stability. <i>Minerals Engineering</i> , 2005, 18, 311-315.	1.8	41
105	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
106	Liquid marble-based digital microfluidics " fundamentals and applications. <i>Lab on A Chip</i> , 2021, 21, 1199-1216.	3.1	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. <i>Langmuir</i> , 2003, 19, 6796-6801.	1.6	40
108	The relationships between the bubble "particle attachment time, collector dosage and the mineralogy of a copper sulfide ore. <i>Minerals Engineering</i> , 2012, 36-38, 309-313.	1.8	40

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109	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
110	Accumulation and distribution of zinc in the leaves and roots of the hyperaccumulator <i>Noccaea caerulescens</i> . <i>Environmental and Experimental Botany</i> , 2015, 110, 85-95.	2.0	39
111	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
112	The effect of surface treatment and slime coatings on ZnS hydrophobicity. <i>Minerals Engineering</i> , 2008, 21, 958-966.	1.8	38
113	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
114	A critical review of surface properties and selective flotation of enargite in sulphide systems. <i>Minerals Engineering</i> , 2012, 30, 1-11.	1.8	38
115	Influence of liberation on bubble-particle attachment time in flotation. <i>Minerals Engineering</i> , 2015, 74, 156-162.	1.8	38
116	Particle-bubble encounter probability with mobile bubble surfaces. <i>International Journal of Mineral Processing</i> , 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. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 115, 229-236.	2.5	37
118	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
119	Analytical Model for Diffusive Evaporation of Sessile Droplets Coupled with Interfacial Cooling Effect. <i>Langmuir</i> , 2018, 34, 6955-6962.	1.6	37
120	Time-Course Global Expression Profiles of <i>Chlamydomonas reinhardtii</i> during Photo-Biological H <sub>2</sub> Production. <i>PLoS ONE</i> , 2011, 6, e29364.	1.1	37
121	The impact of line tension on the contact angle of nanodroplets. <i>Molecular Simulation</i> , 2014, 40, 934-941.	0.9	36
122	Liquid marble coalescence via vertical collision. <i>Soft Matter</i> , 2018, 14, 4160-4168.	1.2	36
123	A review of aqueous foam in microscale. <i>Advances in Colloid and Interface Science</i> , 2018, 256, 203-229.	7.0	36
124	Evaporation dynamics of liquid marbles at elevated temperatures. <i>RSC Advances</i> , 2018, 8, 15436-15443.	1.7	36
125	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
126	Evaporation of Ethanol-Water Binary Mixture Sessile Liquid Marbles. <i>Langmuir</i> , 2016, 32, 6097-6104.	1.6	35



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127	Zinc and lead accumulation characteristics and in vivo distribution of Zn <sup>2+</sup> 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
128	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
129	An improved formula for terminal velocity of rigid spheres. <i>International Journal of Mineral Processing</i> , 1997, 50, 53-61.	2.6	34
130	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
131	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
132	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
133	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
134	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
135	Specificity and affinity of multivalent ions adsorption to kaolinite surface. <i>Applied Clay Science</i> , 2020, 190, 105557.	2.6	34
136	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
137	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
138	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
139	Assessing the Hydrophobicity of Petrographically Heterogeneous Coal Surfaces. <i>Energy &amp; Fuels</i> , 2010, 24, 5965-5971.	2.5	32
140	Determination of contact angle by molecular simulation using number and atomic density contours. <i>Molecular Simulation</i> , 2012, 38, 945-952.	0.9	32
141	The role of surface interaction forces and mixing in enhanced dewatering of coal preparation tailings. <i>Fuel</i> , 2012, 97, 262-268.	3.4	32
142	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
143	From Surface Tension to Molecular Distribution: Modeling Surfactant Adsorption at the Air-Water Interface. <i>Langmuir</i> , 2021, 37, 2237-2255.	1.6	32
144	Tuneable Control of Interfacial Rheology and Emulsion Coalescence. <i>ChemPhysChem</i> , 2009, 10, 778-781.	1.0	31

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145	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
146	Technical and economic perspectives of hydrate-based carbon dioxide capture. <i>Applied Energy</i> , 2022, 307, 118237.	5.1	31
147	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
148	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
149	Drainage, Rupture, and Lifetime of Deionized Water Films: Effect of Dissolved Gases?. <i>Langmuir</i> , 2010, 26, 3356-3363.	1.6	30
150	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
151	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
152	Prediction of van der Waals interaction in bubble-particle attachment in flotation. <i>International Journal of Mineral Processing</i> , 2001, 61, 155-169.	2.6	29
153	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
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. <i>Journal of Physical Chemistry C</i> , 2013, 117, 2113-2120.	1.5	29
155	Dynamic behaviour of a magnetically actuated floating liquid marble. <i>Microfluidics and Nanofluidics</i> , 2017, 21, 1.	1.0	28
156	Capillarity: revisiting the fundamentals of liquid marbles. <i>Microfluidics and Nanofluidics</i> , 2020, 24, 1.	1.0	28
157	Developing a physically consistent model for gibbsite leaching kinetics. <i>Hydrometallurgy</i> , 2010, 104, 86-98.	1.8	27
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