Qi Liu

List of Publications by Year in Descending Order

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

173 papers	4,341 citations	38 h-index	57 g-index
184 ext. papers	5,214 ext. citations	5.3 avg, IF	5.96 L-index

#	Paper	IF	Citations
173	The filterability of different types of minerals and the role of swelling clays in the filtration of oil sands tailings. *Fuel*, **2022**, 316, 123395	7.1	0
172	Roles of the hydrophobic and hydrophilic groups of collectors in the flotation of different-sized mineral particles. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2022**, 637, 128262	5.1	1
171	Facile and scalable surface functionalization approach with small silane molecules for oil/water separation and demulsification of surfactant/asphaltenes-stabilized emulsions. *Separation and Purification Technology*, **2022**, 285, 120382	8.3	1
170	Water-mediated adhesion of oil sands on solid surfaces at low temperature. *Fuel*, **2022**, 320, 123778	7.1	0
169	Flocculation of quartz by a dual polymer system containing tannic acid and poly(ethylene oxide): Effect of polymer chemistry and hydrodynamic conditions. *Chemical Engineering Journal*, **2022**, 137403	14.7	2
168	Electrodeposition of bitumen-, asphaltene-, or maltene-coated kaolinite from cyclohexane suspensions. *Fuel*, **2021**, 122582	7.1	0
167	High-efficiency and durable removal of water-in-heavy oil emulsions enabled by delignified and carboxylated basswood with zwitterionic nanohydrogel coatings.. *Journal of Colloid and Interface Science*, **2021**, 612, 445-458	9.3	0
166	Separation of ultra-fine hematite and quartz particles using asynchronous flocculation flotation. *Minerals Engineering*, **2021**, 164, 106817	4.9	4
165	Beneficiation Studies of the Low-Grade Skarn Phosphate from Mactung Tungsten Deposit, Yukon, Canada. *Minerals (Basel, Switzerland)*, **2021**, 11, 421	2.4	
164	Effect of Carbon Dioxide on Paraffinic Bitumen Froth Treatment: Asphaltene Precipitation from a Commercial Bitumen Froth Sample. *ACS Omega*, **2021**, 6, 11918-11924	3.9	0
163	A Janus facilitated transport membrane with asymmetric surface wettability and dense/porous structure: Enabling high stability and separation efficiency. *Journal of Membrane Science*, **2021**, 626, 119183	9.6	3
162	Influence of aggregation/dispersion state of hydrophilic particles on their entrainment in fine mineral particle flotation. *Minerals Engineering*, **2021**, 166, 106835	4.9	7
161	Probing the Interactions between Pickering Emulsion Droplets Stabilized with pH-Responsive Nanoparticles. *Journal of Physical Chemistry B*, **2021**, 125, 7320-7331	3.4	3
160	Stabilization mechanism and chemical demulsification of water-in-oil and oil-in-water emulsions in petroleum industry: A review. *Fuel*, **2021**, 286, 119390	7.1	42
159	Fine solids removal from non-aqueous extraction bitumen: A literature review. *Fuel*, **2021**, 288, 119727	7.1	5
158	Entrainment of Gangue Minerals in Froth Flotation: Mechanisms, Models, Controlling Factors, and Abatement Techniques□ Review. *Mining, Metallurgy and Exploration*, **2021**, 38, 673-692	1.1	3
157	High Molecular Weight Guar Gum Assisted Settling of Fine Solids in Diluted Bitumen: Effect of Solvents. *Petroleum Science*, **2021**,	4.4	2

156	Surface interaction mechanisms in mineral flotation: Fundamentals, measurements, and perspectives. *Advances in Colloid and Interface Science*, **2021**, 295, 102491	14.3	12
155	Hydrodynamics of froth flotation and its effects on fine and ultrafine mineral particle flotation: A literature review. *Minerals Engineering*, **2021**, 173, 107220	4.9	3
154	A lattice defect-inspired leaching strategy toward simultaneous recovery and separation of value metals from spent cathode materials. *Waste Management*, **2021**, 135, 40-46	8.6	2
153	Selective aggregation of fine quartz by polyaluminum chloride to mitigate its entrainment during fine and ultrafine mineral flotation. *Separation and Purification Technology*, **2021**, 279, 119606	8.3	2
152	Influence of molecular weight on polyacrylic acid flocculation of sub-micron titanium dioxide. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2020**, 603, 125195	5.1	3
151	New insights into the interfacial behavior and swelling of polymer inclusion membrane (PIM) during Zn (II) extraction process. *Chemical Engineering Science*, **2020**, 220, 115620	4.4	8
150	Surface Electrical Behaviors of Apatite, Dolomite, Quartz, and Phosphate Ore. *Frontiers in Materials*, **2020**, 7,	4	9
149	Effect of particle size on the flocculation of sub-micron titanium dioxide by polyacrylic acid. *Minerals Engineering*, **2020**, 149, 106253	4.9	3
148	Effect of Charge Density of Reverse Emulsion Breaker on Demulsification Performance for Steam-Assisted Gravity Drainage (SAGD) Emulsions under High Temperature and High Pressure. *Energy & Fuels*, **2020**, 34, 13893-13902	4.1	3
147	Formation, breakage, and re-growth of quartz flocs generated by non-ionic high molecular weight polyacrylamide. *Minerals Engineering*, **2020**, 157, 106546	4.9	5
146	Effect of Carbon Dioxide on Asphaltene Precipitation from Bitumen–Heptane Mixtures. *Energy & Fuels*, **2020**, 34, 9483-9491	4.1	1
145	Techniques for treating slop oil in oil and gas industry: A short review. *Fuel*, **2020**, 279, 118482	7.1	13
144	Destabilization of bitumen-coated fine solids in oil through water-assisted flocculation using biomolecules extracted from guar beans. *Petroleum Science*, **2020**, 17, 1726-1736	4.4	1
143	New insights into the slime coating caused by montmorillonite in the flotation of coal. *Journal of Cleaner Production*, **2020**, 242, 118540	10.3	41
142	Revelation of the Nature of the Ligand–PbS Bond and Its Implication on Chemical Functionalization of PbS. *Journal of Physical Chemistry C*, **2019**, 123, 22981-22988	3.8	2
141	Selective separation of copper-molybdenum sulfides using humic acids. *Minerals Engineering*, **2019**, 133, 43-46	4.9	19
140	Interfacial behavior and interaction mechanism of pentol/water interface stabilized with asphaltenes. *Journal of Colloid and Interface Science*, **2019**, 553, 341-349	9.3	19
139	Rapid Dewatering and Consolidation of Concentrated Colloidal Suspensions: Mature Fine Tailings via Self-Healing Composite Hydrogel. *ACS Applied Materials & Interfaces*, **2019**, 11, 21610-21618	9.5	12

138	Bitumen Coating on Oil Sands Clay Minerals: A Review. *Energy & Fuels*, **2019**, 33, 5933-5943	4.1	5
137	Adsorption characteristics and mechanisms of O-Carboxymethyl chitosan on chalcopyrite and molybdenite. *Journal of Colloid and Interface Science*, **2019**, 552, 659-670	9.3	30
136	Chemical Functionalization of ZnS: A Perspective from the Ligand–ZnS Bond Character. *Journal of Physical Chemistry C*, **2019**, 123, 6054-6061	3.8	3
135	Flotation separation of Cu-Mo sulfides by O-Carboxymethyl chitosan. *Minerals Engineering*, **2019**, 134, 202-205	4.9	23
134	Destabilization of fine solids suspended in oil media through wettability modification and water-assisted agglomeration. *Fuel*, **2019**, 254, 115623	7.1	9
133	Separation of talc and molybdenite: challenges and opportunities. *Minerals Engineering*, **2019**, 143, 105923	4.9	18
132	Flotation of coarse and fine pyrochlore using octyl hydroxamic acid and sodium oleate. *Minerals Engineering*, **2019**, 132, 191-201	4.9	15
131	Understanding the stabilization mechanism of bitumen-coated fine solids in organic media from non-aqueous extraction of oil sands. *Fuel*, **2019**, 242, 255-264	7.1	16
130	Influence of Oil Sands Composition on Bitumen Quality During Non-Aqueous Bitumen Extraction from the Athabasca Deposit. *Canadian Journal of Chemical Engineering*, **2019**, 97, 268-280	2.3	
129	Effect of Inorganic Salt Contaminants on the Dissolution of Kaolinite Basal Surfaces in Alkali Media: A Molecular Dynamics Study. *Journal of Physical Chemistry C*, **2018**, 122, 4937-4944	3.8	6
128	Development of a vision-based online soft sensor for oil sands flotation using support vector regression and its application in the dynamic monitoring of bitumen extraction. *Canadian Journal of Chemical Engineering*, **2018**, 96, 1532-1540	2.3	3
127	The effect of non-polar oil on fine hematite flocculation and flotation using sodium oleate or hydroxamic acids as a collector. *Minerals Engineering*, **2018**, 119, 105-115	4.9	28
126	Rational Design of Silver Sulfide Nanowires for Efficient CO2 Electroreduction in Ionic Liquid. *ACS Catalysis*, **2018**, 8, 1469-1475	13.1	51
125	Characterization of four petrologic end members from Alberta oil sands and comparison between different mines and sampling times. *Canadian Journal of Chemical Engineering*, **2018**, 96, 49-61	2.3	4
124	Ultrathin 5-fold twinned sub-25 nm silver nanowires enable highly selective electroreduction of CO2 to CO. *Nano Energy*, **2018**, 45, 456-462	17.1	77
123	Descriptor of catalytic activity of metal sulfides for oxygen reduction reaction: a potential indicator for mineral flotation. *Journal of Materials Chemistry A*, **2018**, 6, 9650-9656	13	26
122	Probing the Interaction Mechanism between Air Bubbles and Bitumen Surfaces in Aqueous Media Using Bubble Probe Atomic Force Microscopy. *Langmuir*, **2018**, 34, 729-738	4	31
121	Modulation of Hydrophobic Interaction by Mediating Surface Nanoscale Structure and Chemistry, not Monotonically by Hydrophobicity. *Angewandte Chemie*, **2018**, 130, 12079-12084	3.6	7

120	Modulation of Hydrophobic Interaction by Mediating Surface Nanoscale Structure and Chemistry, not Monotonically by Hydrophobicity. *Angewandte Chemie - International Edition*, **2018**, 57, 11903-11908	16.4	50
119	Development of online soft sensors and dynamic fundamental model-based process monitoring for complex sulfide ore flotation. *Minerals Engineering*, **2018**, 124, 10-27	4.9	13
118	Selective flotation separation of molybdenite and talc by humic substances. *Minerals Engineering*, **2018**, 117, 34-41	4.9	34
117	Molecular dynamics study of the dissolution mechanism of kaolinite basal surfaces in alkali media. *Applied Clay Science*, **2018**, 152, 29-37	5.2	9
116	Anisotropic Polymer Adsorption on Molybdenite Basal and Edge Surfaces and Interaction Mechanism With Air Bubbles. *Frontiers in Chemistry*, **2018**, 6, 361	5	21
115	Real-time monitoring of entrainment using fundamental models and froth images. *Minerals Engineering*, **2018**, 124, 44-62	4.9	7
114	Mitigating the negative effects of clay minerals on gold flotation by a lignosulfonate-based biopolymer. *Minerals Engineering*, **2018**, 126, 9-15	4.9	13
113	Shape-Dependent Electrocatalytic Reduction of CO to CO on Triangular Silver Nanoplates. *Journal of the American Chemical Society*, **2017**, 139, 2160-2163	16.4	393
112	Vacuum drying of cyclohexane from solvent-extracted oil sands gangue. *Canadian Journal of Chemical Engineering*, **2017**, 95, 459-466	2.3	2
111	Mapping the Nanoscale Heterogeneity of Surface Hydrophobicity on the Sphalerite Mineral. *Journal of Physical Chemistry C*, **2017**, 121, 5620-5628	3.8	34
110	Interaction Mechanisms between Air Bubble and Molybdenite Surface: Impact of Solution Salinity and Polymer Adsorption. *Langmuir*, **2017**, 33, 2353-2361	4	54
109	Dual polymer flocculants for mature fine tailings dewatering. *Canadian Journal of Chemical Engineering*, **2017**, 95, 3-10	2.3	19
108	Dewatering of Oil Sands Mature Fine Tailings by Dual Polymer Flocculation and Pressure Plate Filtration. *Energy & Fuels*, **2017**, 31, 6986-6995	4.1	8
107	Bi-wetting property of oil sands fine solids determined by film flotation and water vapor adsorption. *Fuel*, **2017**, 197, 326-333	7.1	6
106	Transport and removal of a solvent in porous media in the presence of bitumen, a highly viscous solute. *Chemical Engineering Science*, **2017**, 165, 229-239	4.4	2
105	Influence of hydrophobicity distribution of particle mixtures on emulsion stabilization. *Journal of Colloid and Interface Science*, **2017**, 491, 179-189	9.3	9
104	Spatially resolved organic coating on clay minerals in bitumen froth revealed by atomic force microscopy adhesion mapping. *Fuel*, **2017**, 191, 283-289	7.1	15
103	Slime coatings in froth flotation: A review. *Minerals Engineering*, **2017**, 114, 26-36	4.9	88

102	Interactions between fine and coarse hematite particles in aqueous suspension and their implications for flotation. *Minerals Engineering*, **2017**, 114, 74-81	4.9	29
101	Mineralogy and Surface Chemistry of Alberta Oil Sands: Relevance to Nonaqueous Solvent Bitumen Extraction. *Energy & Fuels*, **2017**, 31, 8910-8924	4.1	4
100	Influence of structural Al and Si vacancies on the interaction of kaolinite basal surfaces with alkali cations: A molecular dynamics study. *Computational Materials Science*, **2017**, 140, 267-274	3.2	2
99	Probing interactions between sphalerite and hydrophobic/hydrophilic surfaces: Effect of water chemistry. *Powder Technology*, **2017**, 320, 511-518	5.2	13
98	Irreversible Adsorption of Asphaltenes on Kaolinite: Influence of Dehydroxylation. *Energy & Fuels*, **2017**, 31, 9328-9336	4.1	9
97	Heterogeneous Distribution of Adsorbed Bitumen on Fine Solids from Solvent-Based Extraction of Oil Sands Probed by AFM. *Energy & Fuels*, **2017**, 31, 8833-8842	4.1	13
96	Solution chemistry of carbonate minerals and its effects on the flotation of hematite with sodium oleate. *International Journal of Minerals, Metallurgy and Materials*, **2017**, 24, 736-744	3.1	18
95	Influence of hydrothermal treatment on filterability of fine solids in bitumen froth. *Fuel*, **2016**, 180, 314-323	4.1	11
94	Role of water and fine solids in onset of coke formation during bitumen cracking. *Fuel*, **2016**, 166, 152-156	4.1	13
93	Sorption equilibrium and kinetics for cyclohexane, toluene, and water on Athabasca oil sands solids. *Canadian Journal of Chemical Engineering*, **2016**, 94, 220-230	2.3	10
92	Characterization of Fine Solids in Athabasca Bitumen Froth before and after Hydrothermal Treatment. *Energy & Fuels*, **2016**, 30, 1965-1971	4.1	7
91	Removal of iron from sythetic copper leach solution using a hydroxy-oxime chelating resin. *Hydrometallurgy*, **2016**, 164, 154-158	4	17
90	Using surface geopolymerization reactions to strengthen Athabasca oil sands mature fine tailings. *Canadian Journal of Chemical Engineering*, **2016**, 94, 1640-1647	2.3	1
89	Solvent removal from cyclohexane-extracted oil sands gangue. *Canadian Journal of Chemical Engineering*, **2016**, 94, 408-414	2.3	14
88	Adsorption of asphaltenes on kaolinite as an irreversible process. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2016**, 504, 280-286	5.1	26
87	Probing Surface Interactions of Electrochemically Active Galena Mineral Surface Using Atomic Force Microscopy. *Journal of Physical Chemistry C*, **2016**, 120, 22433-22442	3.8	36
86	Effect of Swelling Clay Minerals (Montmorillonite and Illite-Smectite) on Nonaqueous Bitumen Extraction from Alberta Oil Sands. *Energy & Fuels*, **2016**, 30, 8083-8090	4.1	20
85	Performance of Solvent Mixtures for Non-aqueous Extraction of Alberta Oil Sands. *Energy & Fuels*, **2015**, 29, 2261-2267	4.1	36

84	Geopolymerization and Its Potential Application in Mine Tailings Consolidation: A Review. *Mineral Processing and Extractive Metallurgy Review*, **2015**, 36, 399-409	3.1	64
83	Influence of Nonswelling Clay Minerals (Illite, Kaolinite, and Chlorite) on Nonaqueous Solvent Extraction of Bitumen. *Energy & Fuels*, **2015**, 29, 4150-4159	4.1	27
82	Comparison of Different Methods To Determine the Surface Wettability of Fine Solids Isolated from Alberta Oil Sands. *Energy & Fuels*, **2015**, 29, 3556-3565	4.1	16
81	Flotation separation of copper□molybdenum sulfides using chitosan as a selective depressant. *Minerals Engineering*, **2015**, 83, 217-222	4.9	44
80	Polysaccharide Applications in Mineral Processing **2015**, 5989-6010		
79	Dynamic Modeling and Real-Time Monitoring of Froth Flotation. *Minerals (Basel, Switzerland)*, **2015**, 5, 570-591	2.4	10
78	Depressant function of high molecular weight polyacrylamide in the xanthate flotation of chalcopyrite and galena. *International Journal of Mineral Processing*, **2014**, 128, 6-15		38
77	Study of Cyclohexane Diffusion in Athabasca Asphaltenes. *Energy & Fuels*, **2014**, 28, 1004-1011	4.1	11
76	Surface Properties of Petrologic End-Members from Alberta Oil Sands and Their Relationship with Mineralogical and Chemical Composition. *Energy & Fuels*, **2014**, 28, 934-944	4.1	12
75	In situ TEM study of stability of TaRhx diffusion barriers using a novel sample preparation method. *Micron*, **2014**, 58, 25-31	2.3	4
74	Migration of Fine Solids into Product Bitumen from Solvent Extraction of Alberta Oilsands. *Energy & Fuels*, **2014**, 28, 2925-2932	4.1	26
73	Chemical structure analyses of phosphorylated chitosan. *Carbohydrate Research*, **2014**, 386, 48-56	2.9	39
72	Selective depression of pyrite with chitosan in Pb□e sulfide flotation. *Minerals Engineering*, **2013**, 46-47, 45-51	4.9	36
71	Selective depression of sphalerite by chitosan in differential PbZn flotation. *International Journal of Mineral Processing*, **2013**, 122, 29-35		19
70	Thermal and electrical stability of TaN x diffusion barriers for Cu metallization. *Journal of Materials Science*, **2013**, 48, 489-501	4.3	10
69	A simple process for electrodeposition of Sn-rich, Au□n solder films. *Journal of Materials Science: Materials in Electronics*, **2013**, 24, 827-837	2.1	3
68	Notes on the adsorption of octyl hydroxamic acid on pyrochlore and calcite. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2013**, 430, 91-94	5.1	3
67	Ta□h binary alloys as a potential diffusion barrier between Cu and Si: Stability and failure mechanism of the Ta□h amorphous structures. *Acta Materialia*, **2013**, 61, 5365-5374	8.4	6

66	Adsorption of phosphorylated chitosan on mineral surfaces. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2013**, 436, 656-663	5.1	26
65	Mineralogical and chemical composition of petrologic end members of Alberta oil sands. *Fuel*, **2013**, 113, 148-157	7.1	34
64	Study of Asphaltene Adsorption on Kaolinite by X-ray Photoelectron Spectroscopy and Time-of-Flight Secondary Ion Mass Spectroscopy. *Energy & Fuels*, **2013**, 27, 2465-2473	4.1	44
63	Froth Treatment in Athabasca Oil Sands Bitumen Recovery Process: A Review. *Energy & Fuels*, **2013**, 27, 7199-7207	4.1	83
62	Solvent screening for non-aqueous extraction of Alberta oil sands. *Canadian Journal of Chemical Engineering*, **2013**, 91, 1153-1160	2.3	52
61	Characterisation of petrologic end members of oil sands from the athabasca region, Alberta, Canada. *Canadian Journal of Chemical Engineering*, **2013**, 91, 1402-1415	2.3	13
60	Adsorption behaviour of sodium hexametaphosphate on pyrochlore and calcite. *Canadian Metallurgical Quarterly*, **2013**, 52, 473-478	0.9	13
59	Using chitosan as a selective depressant in the differential flotation of CuPb sulfides. *International Journal of Mineral Processing*, **2012**, 106-109, 8-15		54
58	Xanthation-modified polyacrylamide and spectroscopic investigation of its adsorption onto mineral surfaces. *Minerals Engineering*, **2012**, 39, 1-8	4.9	20
57	Characterization of Iron-Bearing Particles in Athabasca Oil Sands. *Energy & Fuels*, **2012**, 26, 5036-5047	4.1	5
56	The acidity of caustic digested starch and its role in starch adsorption on mineral surfaces. *International Journal of Mineral Processing*, **2012**, 112-113, 94-100		16
55	Adsorption of chitosan on chalcopyrite and galena from aqueous suspensions. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2012**, 409, 167-175	5.1	44
54	The adsorption and configuration of octyl hydroxamic acid on pyrochlore and calcite. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2012**, 411, 80-86	5.1	38
53	Developing flotation reagents for niobium oxide recovery from carbonatite Nb ores. *Minerals Engineering*, **2012**, 36-38, 111-118	4.9	31
52	Eutectic and solid-state wafer bonding of silicon with gold. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2012**, 177, 1748-1758	3.1	9
51	Clay minerals in nonaqueous extraction of bitumen from Alberta oil sands. *Fuel Processing Technology*, **2012**, 94, 80-85	7.2	50
50	Clay minerals in nonaqueous extraction of bitumen from Alberta oil sands: Part 2. Characterization of clay minerals. *Fuel Processing Technology*, **2012**, 96, 183-194	7.2	36
49	Selective Aggregation of Hydrophilic Gangue Minerals in Froth Flotation. *Materials Research Society Symposia Proceedings*, **2012**, 1380, 1		1

48	Formation and transformation of metastable phases during electrodeposition and annealing of cobalt–iron alloy films. *Journal of Materials Science: Materials in Electronics*, **2011**, 22, 614-625	2.1	3
47	Sample Preparation Method for Characterization of Fine Solids in Athabasca Oil Sands by Electron Microscopy. *Energy & Fuels*, **2011**, 25, 5158-5164	4.1	7
46	Aggregation of silica particles in non-aqueous media. *Fuel*, **2011**, 90, 2592-2597	7.1	12
45	Amorphous Ta-N as a Diffusion Barrier for Cu Metallization. *Materials Research Society Symposia Proceedings*, **2011**, 1335, 35		
44	High resolution transmission electron microscopy study of clay mineral particles from streams of simulated water based bitumen extraction of Athabasca oil sands. *Applied Clay Science*, **2010**, 48, 466-474	5.2	19
43	Solid state interfacial reactions in electrodeposited Cu/Sn couples. *Transactions of Nonferrous Metals Society of China*, **2010**, 20, 90-96	3.3	52
42	Reducing quartz gangue entrainment in sulphide ore flotation by high molecular weight polyethylene oxide. *International Journal of Mineral Processing*, **2010**, 97, 44-51		42
41	Solid state interfacial reactions in electrodeposited Ni/Sn couples. *International Journal of Minerals, Metallurgy and Materials*, **2010**, 17, 459-463	3.1	13
40	A Cryo-XPS Study of Triammonium Citrate-KAuCl4-Na2SO3 Electroplating Solutions for Pb-Free Solder Packaging. *Journal of Electronic Materials*, **2010**, 39, 1554-1561	1.9	2
39	Electrodeposition of an Iron-Cobalt Phase Isostructural to γ-Mn. *ECS Transactions*, **2009**, 16, 141-153	1	3
38	Response to Comments on "Room temperature interfacial reactions in electrodeposited Au/Sn couples". *Scripta Materialia*, **2009**, 61, 1095-1096	5.6	
37	Nucleation of Sn and Sn–Cu alloys on Pt during electrodeposition from Sn–citrate and Sn–Cu–citrate solutions. *Electrochimica Acta*, **2009**, 54, 3419-3427	6.7	38
36	Electroplating of gold from a solution containing tri-ammonium citrate and sodium sulphite. *Journal of Materials Science: Materials in Electronics*, **2009**, 20, 543-550	2.1	11
35	Effect of citric acid on inhibiting hexadecane–quartz coagulation in aqueous solutions containing Ca2+, Mg2+ and Fe3+ ions. *International Journal of Mineral Processing*, **2009**, 92, 84-91		23
34	Electrochemical composite deposition of Sn–Ag–Cu alloys. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2009**, 164, 172-179	3.1	23
33	Electrodeposition of tin: a simple approach. *Journal of Materials Science: Materials in Electronics*, **2008**, 19, 553-562	2.1	52
32	Fabrication and microstructures of sequentially electroplated Au-rich, eutectic Au/Sn alloy solder. *Journal of Materials Science: Materials in Electronics*, **2008**, 19, 1176-1183	2.1	14
31	Fabrication and Microstructures of Sequentially Electroplated Sn-Rich Au-Sn Alloy Solders. *Journal of Electronic Materials*, **2008**, 37, 837-844	1.9	16

30	Coagulation of bitumen with kaolinite in aqueous solutions containing Ca2+, Mg2+ and Fe3+: effect of citric acid. *Journal of Colloid and Interface Science*, **2008**, 324, 85-91	9.3	30
29	Room temperature interfacial reactions in electrodeposited Au/Sn couples. *Acta Materialia*, **2008**, 56, 5818-5827	8.4	54
28	Kinetics of Sn electrodeposition from Sn(II)-citrate solutions. *Electrochimica Acta*, **2008**, 53, 8332-8340	6.7	46
27	Effect of hydrolyzable metal cations on the coagulation between hexadecane and mineral particles. *Journal of Colloid and Interface Science*, **2007**, 310, 489-97	9.3	8
26	Current understanding of the mechanism of polysaccharide adsorption at the mineral/aqueous solution interface. *International Journal of Mineral Processing*, **2007**, 84, 59-68		128
25	Development of Simple Electrolytes for the Electrodeposition of Pb-Free, Sn-Based Alloy Solder Films. *Materials Research Society Symposia Proceedings*, **2007**, 993, 1		
24	Pre-concentration and residual bitumen removal from Athabasca oilsands froth treatment tailings by a Falcon centrifugal concentrator. *International Journal of Mineral Processing*, **2006**, 78, 220-230		12
23	Exploiting the dual functions of polymer depressants in fine particle flotation. *International Journal of Mineral Processing*, **2006**, 80, 244-254		49
22	Characterization of Athabasca oil sands froth treatment tailings for heavy mineral recovery. *Fuel*, **2006**, 85, 807-814	7.1	20
21	Reexamining the functions of zinc sulfate as a selective depressant in differential sulfide flotation--the role of coagulation. *Journal of Colloid and Interface Science*, **2006**, 301, 523-31	9.3	72
20	Development of stable, non-cyanide solutions for electroplating Au-Sn alloy films. *Journal of Materials Science: Materials in Electronics*, **2006**, 17, 63-70	2.1	18
19	Flotation separation of carbonate from sulfide minerals, I: flotation of single minerals and mineral mixtures. *Minerals Engineering*, **2004**, 17, 855-863	4.9	19
18	Flotation separation of carbonate from sulfide minerals, II: mechanisms of flotation depression of sulfide minerals by thioglycollic acid and citric acid. *Minerals Engineering*, **2004**, 17, 865-878	4.9	25
17	Recent advances in reverse flotation of diasporic ores-A Chinese experience. *Minerals Engineering*, **2004**, 17, 1007-1015	4.9	73
16	HEAVY MINERALS IN THE ATHABASCA OIL SANDS TAILINGS-POTENTIAL AND RECOVERY PROCESSES. *Canadian Metallurgical Quarterly*, **2003**, 42, 383-392	0.9	6
15	Upgrading a rutile concentrate produced from Athabasca oil sands tailings?. *Fuel*, **2003**, 82, 929-942	7.1	22
14	Distribution of Pb(II) species in aqueous solutions. *Journal of Colloid and Interface Science*, **2003**, 268, 266-9	9.3	37
13	Magnetic properties of ilmenite, hematite and oilsand minerals after roasting. *Minerals Engineering*, **2002**, 15, 1121-1129	4.9	45

12	Correlation between reducing power and electronic structure of organic reducing agents used in sulfuric acid leaching of polymetallic nodules. *International Journal of Mineral Processing*, **2002**, 65, 191-202		3
11	Sulfuric acid leaching of ocean manganese nodules using phenols as reducing agents. *Minerals Engineering*, **2001**, 14, 525-537	4.9	34
10	Sulfuric acid leaching of ocean manganese nodules using aromatic amines as reducing agents. *Minerals Engineering*, **2001**, 14, 539-542	4.9	15
9	The adsorption of polysaccharides onto mineral surfaces: an acid/base interaction. *International Journal of Mineral Processing*, **2000**, 60, 229-245		195
8	Effect of calcium ions and citric acid on the flotation separation of chalcopyrite from galena using dextrin. *Minerals Engineering*, **2000**, 13, 1405-1416	4.9	83
7	The development of a composite collector for the flotation of rutile. *Minerals Engineering*, **1999**, 12, 1419-1430	4.9	38
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