

# Qi-ming Feng

## List of Publications by Year in descending order

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89  
papers

3,302  
citations

109264

35  
h-index

168321

53  
g-index

90  
all docs

90  
docs citations

90  
times ranked

1766  
citing authors

#	ARTICLE	IF	CITATIONS
1	An environmentally-friendly technology of vanadium extraction from stone coal. <i>Minerals Engineering</i> , 2007, 20, 1184-1186.	1.8	144
2	The effect of sodium alginate on the flotation separation of scheelite from calcite and fluorite. <i>Minerals Engineering</i> , 2017, 113, 1-7.	1.8	131
3	Investigations on the extraction of molybdenum and vanadium from ammonia leaching residue of spent catalyst. <i>International Journal of Mineral Processing</i> , 2006, 79, 42-48.	2.6	126
4	Investigations on flotation separation of scheelite from calcite by using a novel depressant: Sodium phytate. <i>Minerals Engineering</i> , 2018, 126, 116-122.	1.8	107
5	Effect of surface dissolution on flotation separation of fine ilmenite from titanogite. <i>Transactions of Nonferrous Metals Society of China</i> , 2011, 21, 1149-1154.	1.7	100
6	Preparation and characterization of amorphous silica nanowires from natural chrysotile. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 1534-1539.	1.5	88
7	Effect of depressants in the selective flotation of scheelite and calcite using oxidized paraffin soap as collector. <i>International Journal of Mineral Processing</i> , 2016, 157, 210-215.	2.6	88
8	Effect of sodium hexametaphosphate on separation of serpentine from pyrite. <i>Transactions of Nonferrous Metals Society of China</i> , 2011, 21, 208-213.	1.7	87
9	Kinetics of saprolitic laterite leaching by sulphuric acid at atmospheric pressure. <i>Minerals Engineering</i> , 2010, 23, 458-462.	1.8	84
10	Effect of solution chemistry on the flotation system of smithsonite and calcite. <i>International Journal of Mineral Processing</i> , 2013, 119, 34-39.	2.6	81
11	The effects of Ca(II) and Mg(II) ions on the flotation of spodumene using NaOL. <i>Minerals Engineering</i> , 2015, 79, 40-46.	1.8	80
12	Studies on interaction mechanism of fine wolframite with octyl hydroxamic acid. <i>Minerals Engineering</i> , 2015, 79, 133-138.	1.8	72
13	Leaching behavior of metals from copper anode slime using an alkali fusion-leaching process. <i>Hydrometallurgy</i> , 2015, 157, 9-12.	1.8	68
14	Electrokinetic properties of smithsonite and its floatability with anionic collector. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 410, 178-183.	2.3	67
15	Research on the recycling of valuable metals in spent Al <sub>2</sub> O <sub>3</sub> -based catalyst. <i>Minerals Engineering</i> , 2006, 19, 94-97.	1.8	66
16	Effects of lead ions on the flotation of hemimorphite using sodium oleate. <i>Minerals Engineering</i> , 2016, 89, 163-167.	1.8	63
17	The flotation separation of scheelite from calcite and fluorite using dextran sulfate sodium as depressant. <i>International Journal of Mineral Processing</i> , 2017, 169, 53-59.	2.6	62
18	Talc-serpentine interactions and implications for talc depression. <i>Minerals Engineering</i> , 2012, 32, 68-73.	1.8	55

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19	Adsorption of polysaccharide onto talc. <i>Minerals Engineering</i> , 2006, 19, 147-153.	1.8	51
20	The role of S(II) and Pb(II) in xanthate flotation of smithsonite: Surface properties and mechanism. <i>Applied Surface Science</i> , 2018, 442, 92-100.	3.1	51
21	Selective flotation of scheelite from calcite using calcium lignosulphonate as depressant. <i>Minerals Engineering</i> , 2018, 119, 73-75.	1.8	50
22	Fabrication of magnetic Fe <sub>3</sub> O <sub>4</sub> /silica nanofiber composites with enhanced Fenton-like catalytic performance for Rhodamine B degradation. <i>Journal of Materials Science</i> , 2018, 53, 369-384.	1.7	50
23	Understanding the roles of Na <sub>2</sub> S and Pb(II) in the flotation of hemimorphite. <i>Minerals Engineering</i> , 2017, 111, 167-173.	1.8	49
24	Effect of energy input on flocculation process and flotation performance of fine scheelite using sodium oleate. <i>Minerals Engineering</i> , 2017, 112, 27-35.	1.8	47
25	The entrainment behaviour of sericite in microcrystalline graphite flotation. <i>International Journal of Mineral Processing</i> , 2014, 127, 1-9.	2.6	46
26	The dissolution behavior and mechanism of kaolinite in alkali-acid leaching process. <i>Applied Clay Science</i> , 2016, 132-133, 273-280.	2.6	46
27	Fast dissolution of nickel from a lizardite-rich saprolitic laterite by sulphuric acid at atmospheric pressure. <i>Hydrometallurgy</i> , 2009, 96, 171-175.	1.8	45
28	Chemical Precipitation Synthesis and Optical Properties of ZnO/SiO <sub>2</sub> Nanocomposites. <i>Journal of the American Ceramic Society</i> , 2008, 91, 1591-1596.	1.9	42
29	Highly efficient fluoride adsorption from aqueous solution by nepheline prepared from kaolinite through alkali-hydrothermal process. <i>Journal of Environmental Management</i> , 2017, 196, 72-79.	3.8	42
30	The effect of lizardite surface characteristics on pyrite flotation. <i>Applied Surface Science</i> , 2012, 259, 153-158.	3.1	41
31	Utilization of N-carboxymethyl chitosan as selective depressants for serpentine on the flotation of pyrite. <i>International Journal of Mineral Processing</i> , 2017, 163, 45-47.	2.6	41
32	Mechanisms of surface charge development of serpentine mineral. <i>Transactions of Nonferrous Metals Society of China</i> , 2013, 23, 1123-1128.	1.7	39
33	A novel magnetic 4A zeolite adsorbent synthesised from kaolinite type pyrite cinder (KTPC). <i>Solid State Sciences</i> , 2015, 39, 52-58.	1.5	37
34	A simple and innovative route to remarkably enhance the photocatalytic performance of TiO <sub>2</sub> : Using micro-meso porous silica nanofibers as carrier to support highly-dispersed TiO <sub>2</sub> nanoparticles. <i>Microporous and Mesoporous Materials</i> , 2018, 258, 251-261.	2.2	37
35	A novel method to improve depressants actions on calcite flotation. <i>Minerals Engineering</i> , 2014, 55, 186-189.	1.8	36
36	Solution Chemistry of Sodium Silicate and Implications for Pyrite Flotation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 12089-12094.	1.8	35

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37	A novel method to limit the detrimental effect of serpentine on the flotation of pentlandite. International Journal of Mineral Processing, 2012, 114-117, 11-13.	2.6	35
38	Preparation of high-purity graphite from a fine microcrystalline graphite concentrate: Effect of alkali roasting pre-treatment and acid leaching process. Separation Science and Technology, 2016, 51, 2465-2472.	1.3	35
39	Studies on recovery of vanadium from desilication residue obtained from processing of a spent catalyst. Hydrometallurgy, 2009, 96, 166-170.	1.8	34
40	Acid leaching of vanadium from roasted residue of stone coal. Transactions of Nonferrous Metals Society of China, 2010, 20, s107-s111.	1.7	34
41	Flotation separation of scheelite from calcite using mixed collectors. International Journal of Mineral Processing, 2017, 169, 106-110.	2.6	34
42	Effect of Sodium Pyrophosphate on the Reverse Flotation of Dolomite from Apatite. Minerals (Basel), 2018, 8, 107-110.	0.8	34
43	Synthesis and characterization of a novel nanofibrous TiO <sub>2</sub> /SiO <sub>2</sub> composite with enhanced photocatalytic activity. Materials Letters, 2016, 183, 175-178.	1.3	33
44	Electrokinetic and flotation behaviors of hemimorphite in the presence of sodium oleate. Minerals Engineering, 2015, 84, 74-76.	1.8	32
45	Influence of copper ions and calcium ions on adsorption of CMC on chlorite. Transactions of Nonferrous Metals Society of China, 2013, 23, 237-242.	1.7	30
46	Adsorption of Cu(II) ions from aqueous solutions on modified chrysotile: Thermodynamic and kinetic studies. Applied Clay Science, 2013, 80-81, 38-45.	2.6	29
47	A novel collector RL for flotation of bauxite. Central South University, 2002, 9, 21-24.	0.5	28
48	The effect of conditioning methods and chain length of xanthate on the flotation of a nickel ore. Minerals Engineering, 2012, 39, 48-50.	1.8	28
49	The relationship between the stability of emulsified diesel and flotation of graphite. Minerals Engineering, 2015, 78, 89-92.	1.8	28
50	Synthesis of magnetically separable MnO <sub>2</sub> /Fe <sub>3</sub> O <sub>4</sub> /silica nanofiber composite with enhanced Fenton-like catalytic activity for degradation of Acid Red 73. Surface and Coatings Technology, 2018, 354, 18-27.	2.2	28
51	The liberation effect of magnetite fine ground by vertical stirred mill and ball mill. Minerals Engineering, 2012, 34, 63-69.	1.8	27
52	Study on washability of microcrystal graphite using float-sink tests. International Journal of Mining Science and Technology, 2013, 23, 855-861.	4.6	25
53	Carbon-coated cobalt oxide porous spheres with improved kinetics and good structural stability for long-life lithium-ion batteries. Journal of Colloid and Interface Science, 2018, 510, 368-375.	5.0	25
54	Effect of the lattice ions on the calcite flotation in presence of Zn(II). Minerals Engineering, 2013, 40, 24-29.	1.8	24

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55	Different Flotation Performance of Ultrafine Scheelite under Two Hydrodynamic Cavitation Modes. Minerals (Basel, Switzerland), 2018, 8, 264.	0.8	23
56	Metal values separation from residue generated in alkali fusion-leaching of copper anode slime. Hydrometallurgy, 2016, 165, 290-294.	1.8	22
57	A novel technique for microcrystalline graphite beneficiation based on alkali-acid leaching process. Separation Science and Technology, 2018, 53, 982-989.	1.3	20
58	Improved hemimorphite flotation using xanthate as a collector with S(II) and Pb(II) activation. International Journal of Minerals, Metallurgy and Materials, 2018, 25, 849-860.	2.4	20
59	Kinetics of nickel leaching from roasting-dissolving residue of spent catalyst with sulfuric acid. Central South University, 2009, 16, 410-415.	0.5	18
60	The effect of PAX/CMC addition order on chlorite/pyrite separation. Minerals Engineering, 2013, 42, 9-12.	1.8	18
61	Flotation Mechanism of Wolframite with Varied Components Fe/Mn. Mineral Processing and Extractive Metallurgy Review, 2016, 37, 34-41.	2.6	18
62	The Effect of Conditioning on the Flotation of Pyrrhotite in the Presence of Chlorite. Minerals (Basel, Switzerland), 2017, 7, 125.	0.8	18
63	The role of calcium and carbonate ions in the separation of pyrite and talc. Minerals Engineering, 2018, 119, 205-211.	1.8	18
64	Study on the structure of Bayer liquor with spectroscopy and MD simulation. Chemical Physics Letters, 2006, 422, 406-411.	1.2	15
65	New technique of comprehensive utilization of spent Al <sub>2</sub> O <sub>3</sub> -based catalyst. Central South University, 2006, 13, 151-155.	0.5	15
66	Flotation behavior and adsorption mechanism of fine wolframite with octyl hydroxamic acid. Journal of Central South University, 2016, 23, 1339-1344.	1.2	15
67	The Influence of Backwater Al <sup>3+</sup> on Diaspore Bauxite Flotation. Minerals (Basel, Switzerland), 2017, 7, 195.	0.8	15
68	Physicochemical dispersion of chrysotile. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 301, 341-345.	2.3	13
69	Recovery of vanadium from alkaline leaching solution from roasted stone coal. ScienceAsia, 2014, 40, 69.	0.2	13
70	A new method of testing frother performance. Transactions of Nonferrous Metals Society of China, 2013, 23, 2776-2780.	1.7	12
71	Surface modification of magnesium hydroxide by $\gamma$ -aminopropyltriethoxysilane. Central South University, 2008, 15, 318-323.	0.5	11
72	Desiliconisation of alkaline leaching solution of roasted stone coal with carbonation method. Transactions of Nonferrous Metals Society of China, 2010, 20, s132-s135.	1.7	11

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73	Effect of temperature on floatability and adsorption behavior of fine wolframite with sodium oleate. Journal of Central South University, 2018, 25, 1582-1589.	1.2	11
74	Disintegration mode of bauxite and selective separation of Al and Si. Minerals Engineering, 2007, 20, 200-203.	1.8	10
75	Recovery Enhancement of Ultrafine Wolframite through Hydrophobic Floccs Magnetic Separation. Mineral Processing and Extractive Metallurgy Review, 2017, 38, 298-303.	2.6	10
76	A Comparative Study of Recovering Fine Scheelite in Tailings by Flotation Cell and Flotation Column. Journal of Solid Waste Technology and Management, 2010, 36, 61-68.	0.2	10
77	Influence of calcination atmosphere on photocatalytic reactivity of K <sub>2</sub> La <sub>2</sub> Ti <sub>3</sub> O <sub>10</sub> for water splitting. Transactions of Nonferrous Metals Society of China, 2007, 17, 836-840.	1.7	9
78	Utilization of pyrogallol in flotation separation of scheelite from calcite. Separation Science and Technology, 2021, 56, 738-745.	1.3	9
79	ADSORPTION AND SEPARATION BEHAVIOR OF COBALT, NICKEL, AND COPPER IN NITRITE MEDIUM BY ANION EXCHANGER. Solvent Extraction and Ion Exchange, 2002, 20, 561-573.	0.8	8
80	Selective leaching of a high-iron cobalt matte at atmospheric pressure. Separation and Purification Technology, 2007, 53, 1-7.	3.9	6
81	Effect of solution conditions on depression of chlorite using CMC as depressant. Journal of Central South University, 2013, 20, 1034-1038.	1.2	6
82	The Effect of Quartz on the Flotation of Fine Wolframite with Octyl Hydroxamic Acid. Minerals (Basel, Switzerland), 2017, 7, 186.	0.8	6
83	Insights into Alkali-Acid Leaching of Sericite: Dissolution Behavior and Mechanism. Minerals (Basel, Switzerland), 2017, 7, 186.	0.8	6
84	Occurrence of lead and silver minerals and their interaction with xanthate in slurry of zinc electrolysis anode slime. Transactions of Nonferrous Metals Society of China, 2012, 22, 1794-1800.	1.7	5
85	Novel transparent and flexible nanocomposite film prepared from Åchrysotile nanofibres. Materials Chemistry and Physics, 2013, 142, 412-419.	2.0	5
86	Influencing factors of pyrite leaching in germ-free system. Central South University, 2007, 14, 28-31.	0.5	4
87	Surface-Modified Garnet Particles for Reinforcing Epoxy Composites. Minerals (Basel, Switzerland), 2018, 8, 217.	0.8	3
88	THE FLOTATION SEPARATION OF CHALCOPYRITE-PYRITE IN THE PRESENCE OF SODIUM HUMATE. , 2004, , .		1
89	Iron Oxide Red Pigment Prepared from Pyrite Cinders. Journal of Applied Sciences, 2013, 13, 4221-4225.	0.1	1