

Hai-ying Zhong

List of Publications by Year in descending order

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209
papers

5,356
citations

71061

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docs citations

209
times ranked

3000
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel conversion for blast furnace slag (BFS) to the synthesis of hydroxyapatite-zeolite material and its evaluation of adsorption properties. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 105, 63-73.	2.9	12
2	Improved Space Time Yield of Chlorine over CuO/Al ₂ O ₃ Co-Promoted by MnOx-CoOx in HCl Oxidation Reaction. <i>Catalysis Letters</i> , 2022, 152, 2239-2246.	1.4	2
3	Investigating the adsorption performances and hydrophobic mechanism of O-ethyl-N-benzoyl thionocarbamate on chalcopyrite surface. <i>Minerals Engineering</i> , 2022, 176, 107316.	1.8	10
4	Ce and MoS ₂ dual-doped cobalt aluminum layered double hydroxides for enhanced oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 1644-1655.	3.8	17
5	Highly efficient poly(6-acryloylamino-N-hydroxyhexanamide) resin for adsorption of heavy metal ions. <i>Journal of Environmental Management</i> , 2022, 308, 114631.	3.8	34
6	A novel surfactant O,O'-bis(2-butoxyethyl) ammonium dithiophosphate: Synthesis, selective flotation and adsorption mechanism towards galena. <i>Minerals Engineering</i> , 2022, 179, 107466.	1.8	10
7	The selective flotation separation of rhodochrosite against quartz and calcite with dicarboxylic amino acid-based surfactants as a novel collector. <i>Minerals Engineering</i> , 2022, 182, 107559.	1.8	10
8	Uncovering the flotation performance and adsorption mechanism of a multifunctional thiocarbamate collector on malachite. <i>Powder Technology</i> , 2022, 407, 117676.	2.1	10
9	Insights into the selective adsorption mechanism of a multifunctional thioether-containing hydroxamic acid on separation of wolframite from fluorite. <i>Powder Technology</i> , 2021, 380, 421-429.	2.1	23
10	Hydrophobic agglomeration of rhodochrosite fines in aqueous suspensions with sodium oleate. <i>Powder Technology</i> , 2021, 377, 186-193.	2.1	26
11	Study on corrosion resistance behavior and formation mechanism of Ce conversion coating on manganese. <i>Metallurgical Research and Technology</i> , 2021, 118, 319.	0.4	1
12	Trimetallic NiFeCr-LDH/MoS ₂ composites as novel electrocatalyst for OER. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 7037-7046.	3.8	53
13	In situ selenylation of molybdate ion intercalated Co-Al layered double hydroxide for high-performance electrocatalytic oxygen evolution reaction. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 119, 166-176.	2.7	19
14	Selective flotation of galena using a novel collector S-benzyl-N-ethoxycarbonyl thiocarbamate: An experimental and theoretical investigation. <i>Journal of Molecular Liquids</i> , 2021, 330, 115643.	2.3	10
15	New insights into separating wolframite from calcium bearing minerals by flotation. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 97, 549-559.	2.9	10
16	Optimization of conventional hydroxamic acid for cassiterite flotation: Application of structural modification under principle of isomerism. <i>Minerals Engineering</i> , 2021, 167, 106901.	1.8	14
17	Study on the role of a hydroxamic acid derivative in wolframite flotation: Selective separation and adsorption mechanism. <i>Applied Surface Science</i> , 2021, 550, 149223.	3.1	32
18	Comprehensive recovery of arsenic and antimony from arsenic-rich copper smelter dust. <i>Journal of Hazardous Materials</i> , 2021, 413, 125365.	6.5	34

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19	Understanding the hetero-aggregation mechanism among sulfide and oxide mineral particles driven by bifunctional surfactants: Intensification flotation of oxide minerals. <i>Minerals Engineering</i> , 2021, 169, 106928.	1.8	11
20	Performance and corrosion resistance mechanism of SA-Al composite hydrophobic coating on electrolytic manganese surface. <i>Surface and Coatings Technology</i> , 2021, 419, 127290.	2.2	9
21	Density functional theory study on electronic structure of tetrahedrite and effect of natural impurities on its flotation property. <i>Minerals Engineering</i> , 2021, 169, 106980.	1.8	10
22	Fabrication and chain corrosion blocking mechanism of hydrophobic coating on electrolytic manganese surface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 626, 127015.	2.3	13
23	Investigating the flotation performance and interfacial adsorption mechanism of N-benzoyl-N,N'-diethyl thiourea on chalcopyrite and pyrite. <i>Minerals Engineering</i> , 2021, 172, 107178.	1.8	23
24	Flotation of rhodochrosite fines induced by octyl hydroxamic acid as hydrophobic agglomerates. <i>Powder Technology</i> , 2021, 392, 108-115.	2.1	14
25	Desulfurization in high-sulfur bauxite with a novel thioether-containing hydroxamic acid: Flotation behavior and separation mechanism. <i>Separation and Purification Technology</i> , 2021, 275, 119147.	3.9	15
26	Uncovering the hydrophobic mechanism of a novel dithiocarbamate-hydroxamate surfactant towards galena. <i>Chemical Engineering Science</i> , 2021, 245, 116765.	1.9	23
27	In-situ construction of RE conversion coating on Mn surface and comparison of chain corrosion blocking mechanism. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 630, 127536.	2.3	3
28	Structural modification of hydroxamic acid collectors to enhance the flotation performance of malachite and associated mechanism. <i>Journal of Molecular Liquids</i> , 2021, 344, 117959.	2.3	10
29	Characterisation and anti-corrosion property of Ti conversion coating on manganese surface. <i>Corrosion Engineering Science and Technology</i> , 2020, 55, 27-34.	0.7	9
30	A novel method for synthesis of styryl phosphonate monoester and its application in La(III) extraction. <i>Journal of Rare Earths</i> , 2020, 38, 649-656.	2.5	6
31	Kinetic study of ultrasonic-assisted uranium adsorption by anion exchange resin. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 585, 124021.	2.3	39
32	Reactivation of Fenton catalytic performance for Fe ₃ O ₄ catalyst: Optimizing the cyclic performance by low voltage electric field. <i>Applied Surface Science</i> , 2020, 500, 144045.	3.1	14
33	Removal of fluoride from wastewater solution using Ce-ALOOH with oxalic acid as modification. <i>Journal of Hazardous Materials</i> , 2020, 384, 121373.	6.5	86
34	Analysis and processing of sulfate accumulation in uranium hydrometallurgy for acid in-situ leaching. <i>Separation Science and Technology</i> , 2020, 55, 3447-3454.	1.3	2
35	In situ self-assembly of molybdenum disulfide/Mg-Al layered double hydroxide composite for enhanced photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2020, 817, 153308.	2.8	22
36	Synthesis of thioxopropanamide surfactants for studying the flotation performance and adsorption mechanism on chalcopyrite. <i>Applied Surface Science</i> , 2020, 505, 144539.	3.1	23

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37	Modulation of the morphology, surface energy and wettability of malachite through a S ₂ O ₃ ²⁻ -ligand surfactant: Mechanism and hydrophobization. <i>Applied Surface Science</i> , 2020, 505, 144467.	3.1	27
38	Hydrophobic intensification flotation: Comparison of collector containing two minerophilic groups with conventional collectors. <i>Transactions of Nonferrous Metals Society of China</i> , 2020, 30, 2536-2546.	1.7	21
39	Removal of Ammonium from Aqueous Solutions Using Zeolite Synthesized from Electrolytic Manganese Residue. <i>International Journal of Chemical Engineering</i> , 2020, 2020, 1-14.	1.4	8
40	Synthesis of Zeolite from Electrolytic Manganese Residue: Investigation on the Variation of the Property of Zeolite during the Conversion Process. <i>Journal of Chemistry</i> , 2020, 2020, 1-9.	0.9	0
41	MoS ₂ /CoAl-LDH heterostructure for enhanced efficiency of oxygen evolution reaction. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 607, 125419.	2.3	13
42	Continuous leaching and separation of Pb in CH ₃ COOH-CH ₃ COONa buffered electrolyte. <i>Hydrometallurgy</i> , 2020, 194, 105355.	1.8	1
43	CeO ₂ –MnO _x composite loaded on Al ₂ O ₃ as a catalyst for HCl oxidation. <i>Catalysis Science and Technology</i> , 2020, 10, 4553-4561.	2.1	15
44	A Novel Circulation Process to Effectively Produce Electrolytic Manganese Metal (EMM) with Low-Grade Manganese Oxide Ores and High-Sulfur Manganese Ores. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 7561-7572.	1.7	1
45	Understanding the Promotion Effect of Mn on CuO/Al ₂ O ₃ for Catalyzed HCl Oxidation to Cl ₂ . <i>ChemCatChem</i> , 2020, 12, 3240-3248.	1.8	14
46	A novel surfactant 2-(benzylthio)-acetohydroxamic acid: Synthesis, flotation performance and adsorption mechanism to cassiterite, calcite and quartz. <i>Applied Surface Science</i> , 2020, 522, 146509.	3.1	41
47	The preparation of high purity MgO and precision separation mechanism of Mg and Ca from dolomite. <i>Mining, Metallurgy and Exploration</i> , 2020, 37, 1221-1230.	0.4	3
48	Kinetics and equilibrium studies of phosphate removal from aqueous solution by calcium silicate hydrate synthesized from electrolytic manganese residue. <i>Adsorption Science and Technology</i> , 2019, 37, 547-565.	1.5	20
49	Flotation performance and adsorption mechanism of styryl phosphonate mono-iso-octyl ester to malachite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 579, 123698.	2.3	19
50	Novel preparation of high activity 1T-phase MoS ₂ ultra-thin flakes by layered double hydroxide for enhanced hydrogen evolution performance. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 21229-21237.	3.8	18
51	Synthesis, flotation performance and adsorption mechanism of 3-(ethylamino)-N-phenyl-3-thioxopropanamide onto galena/sphalerite surfaces. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 77, 416-425.	2.9	38
52	MoS ₂ confined on graphene by triethanolamine for enhancing electrocatalytic hydrogen evolution performance. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 28151-28162.	3.8	33
53	Novel Sodium <i>O</i> -Benzythioethyl Xanthate Surfactant: Synthesis, DFT Calculation and Adsorption Mechanism on Chalcopyrite Surface. <i>Langmuir</i> , 2019, 35, 15106-15113.	1.6	25
54	Investigation of the interfacial adsorption mechanisms of 2-hydroxyethyl dibutyldithiocarbamate surfactant on galena and sphalerite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 583, 123908.	2.3	31

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55	A novel surfactant styryl phosphonate mono-iso-octyl ester with improved adsorption capacity and hydrophobicity for cassiterite flotation. <i>Minerals Engineering</i> , 2019, 142, 105895.	1.8	33
56	Removal of sodium oleate from synthetic manganese leaching solution by coagulation-dissolved air flotation. <i>Journal of Environmental Management</i> , 2019, 247, 1-8.	3.8	6
57	Probing the interactions of hydroxamic acid and mineral surfaces: Molecular mechanism underlying the selective separation. <i>Chemical Engineering Journal</i> , 2019, 374, 123-132.	6.6	68
58	Facile preparation of novel and active 2D nanosheets from non-layered and traditionally non-exfoliable earth-abundant materials. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15411-15419.	5.2	28
59	Study on the Viscoelasticity Measurement of Materials Based on Surface Reflected Waves. <i>Materials</i> , 2019, 12, 1875.	1.3	4
60	Investigating the selectivity of a xanthate derivative for the flotation separation of chalcopyrite from pyrite. <i>Chemical Engineering Science</i> , 2019, 205, 220-229.	1.9	60
61	Investigation of removal of Ag(I) from aqueous solution by a novel chelating resin containing acyl and thiourea groups. <i>Journal of Dispersion Science and Technology</i> , 2019, 40, 477-486.	1.3	11
62	The selective flotation behavior and adsorption mechanism of thiohexanamide to chalcopyrite. <i>Minerals Engineering</i> , 2019, 137, 187-199.	1.8	29
63	Hetero-difunctional Reagent with Superior Flotation Performance to Chalcopyrite and the Associated Surface Interaction Mechanism. <i>Langmuir</i> , 2019, 35, 4353-4363.	1.6	31
64	Investigation on the selectivity of thioamide surfactants and adsorption mechanism of thio-p-toluamide for chalcopyrite. <i>Applied Surface Science</i> , 2019, 484, 864-875.	3.1	19
65	Fabrication of hydrophobic coating on electrolytic manganese surface for enhancing corrosion resistance. <i>Progress in Organic Coatings</i> , 2019, 132, 379-387.	1.9	11
66	Reactivation of nano-Fe ₃ O ₄ /diethanolamine/rGO catalyst by using electric field in Fenton reaction. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 99, 113-122.	2.7	6
67	Selective recovery of lead from galena-sphalerite by electro-oxidation. <i>Hydrometallurgy</i> , 2019, 185, 218-225.	1.8	10
68	Preparation of a novel nano-Fe ₃ O ₄ /triethanolamine/GO composites to enhance Pb ²⁺ /Cu ²⁺ ions removal. <i>Environmental Science and Pollution Research</i> , 2019, 26, 10174-10187.	2.7	11
69	Influence Mechanism of Sulfide Ions during Manganese Electrodeposition. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2019, 34, 1451-1459.	0.4	1
70	Flotation of sylvite from potash ore by using the Gemini surfactant as a novel flotation collector. <i>Minerals Engineering</i> , 2019, 132, 22-26.	1.8	44
71	Gemini surfactant: A novel flotation collector for harvesting of microalgae by froth flotation. <i>Bioresource Technology</i> , 2019, 275, 421-424.	4.8	61
72	Synthesis of 2-hydroxyethyl dibutylthiocarbamate and its adsorption mechanism on chalcopyrite. <i>Applied Surface Science</i> , 2019, 476, 460-467.	3.1	35

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73	Synthesis of a novel heterogeneous fenton catalyst and promote the degradation of methylene blue by fast regeneration of Fe ²⁺ . <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 549, 94-104.	2.3	40
74	New advances in the understanding and development of flotation collectors: A Chinese experience. <i>Minerals Engineering</i> , 2018, 118, 78-86.	1.8	55
75	One-pot synthesis of 5-hydroxymethylfurfural from glucose over zirconium doped mesoporous KIT-6. <i>Chinese Journal of Chemical Engineering</i> , 2018, 26, 1270-1277.	1.7	19
76	Recovery of manganese from manganese oxide ores in the EDTA solution. <i>Metallurgical Research and Technology</i> , 2018, 115, 306.	0.4	8
77	Studies on the adsorption behaviors of Pb(II) onto an acyl-thiourea resin. <i>Journal of Dispersion Science and Technology</i> , 2018, 39, 1316-1323.	1.3	15
78	Two-stage leaching of manganese and silver from manganese-silver ores by reduction with calcium sulfide and oxidation with copper(II). <i>Hydrometallurgy</i> , 2018, 175, 240-249.	1.8	11
79	Cu(I)/Cu(II) mixed-valence surface complexes of S-[2-(hydroxyamino)-2-oxoethyl]-N,N-dibutyldithiocarbamate: Hydrophobic mechanism to malachite flotation. <i>Journal of Colloid and Interface Science</i> , 2018, 512, 701-712.	5.0	84
80	Benzohydroxamic acid to improve iron removal from potash feldspar ores. <i>Journal of Central South University</i> , 2018, 25, 2190-2198.	1.2	13
81	In situ nano-silicate functionalized magnetic composites by (poly)dopamine to improve MB removal. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 552, 89-97.	2.3	24
82	Preparation of a novel two-dimensional carbon material and enhancing Cu(II) ions removal by phytic acid. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	1.3	5
83	Formation of a hydrophobic and corrosion resistant coating on manganese surface via stearic acid and oleic acid diethanolamide. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 555, 372-380.	2.3	29
84	A novel process for the separation and recovery of value-added metals from manganese-silver ores by EDTA/EDTA ²⁻ Na and thiosulfate. <i>Hydrometallurgy</i> , 2018, 178, 256-263.	1.8	13
85	Enhancement of catalytic performance by regulating the surface properties of Fe ₃ O ₄ composites. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 93, 350-362.	2.7	10
86	The flotation behavior and adsorption mechanism of O-isopropyl-S-[2-(hydroxyimino) propyl] dithiocarbonate ester to chalcopyrite. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 71, 38-46.	2.7	26
87	Facile preparation of Mn ₃ O ₄ hollow microspheres via reduction of pentachloropyridine and their performance in lithium-ion batteries. <i>RSC Advances</i> , 2017, 7, 8264-8271.	1.7	22
88	The role of HABTC's hydroxamate and dithiocarbamate groups in chalcopyrite flotation. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 52, 359-368.	2.9	62
89	Molecular design of flotation collectors: A recent progress. <i>Advances in Colloid and Interface Science</i> , 2017, 246, 181-195.	7.0	139
90	Structural Modification of Xanthate Collectors To Enhance the Flotation Selectivity of Chalcopyrite. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 6307-6316.	1.8	47

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91	A DFT study on the structure–reactivity relationship of aliphatic oxime derivatives as copper chelating agents and malachite flotation collectors. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 46, 404-415.	2.9	53
92	A novel approach for flotation recovery of molybdenite, galena and pyrite from a complex molybdenum-lead ore. <i>Metallurgical Research and Technology</i> , 2017, 114, 212.	0.4	6
93	Preparation of a novel resin with acyl and thiourea groups and its properties for Cu(II) removal from aqueous solution. <i>Journal of Environmental Management</i> , 2017, 204, 264-271.	3.8	34
94	The adsorption mechanism of N -butoxypropyl- S -[2-(hydroxyimino) propyl] dithiocarbamate ester to copper minerals flotation. <i>International Journal of Mineral Processing</i> , 2017, 166, 53-61.	2.6	27
95	Separation of pyrite from chalcopyrite and molybdenite by using selective collector of N-isopropoxypropyl-N-ethoxycarbonyl thiourea in high salinity water. <i>Minerals Engineering</i> , 2017, 100, 93-98.	1.8	14
96	Theoretical Elucidation of Glucose Dehydration to 5-Hydroxymethylfurfural Catalyzed by Sn-KIT-6 in Aqueous Medium Using DFT. <i>Current Catalysis</i> , 2017, 6, .	0.5	0
97	A novel approach for flotation recovery of copper and molybdenite from a copper-arsenic ore. <i>Metallurgical Research and Technology</i> , 2016, 113, 103.	0.4	2
98	Synthesis of Novel Ether Thionocarbamates and Study on Their Flotation Performance for Chalcopyrite. <i>Minerals (Basel, Switzerland)</i> , 2016, 6, 97.	0.8	15
99	Utilization of Electrolytic Manganese Residues in Production of Porous Ceramics. <i>International Journal of Applied Ceramic Technology</i> , 2016, 13, 511-521.	1.1	18
100	Recent experimental advances on hydrophobic interactions at solid/water and fluid/water interfaces. <i>Biointerphases</i> , 2016, 11, 018903.	0.6	37
101	Flotation of low-grade bauxite using organosilicon cationic collector and starch depressant. <i>Transactions of Nonferrous Metals Society of China</i> , 2016, 26, 1112-1117.	1.7	28
102	A novel surfactant 2-amino-6-decanamidohexanoic acid: Flotation performance and adsorption mechanism to diaspore. <i>Minerals Engineering</i> , 2016, 93, 16-23.	1.8	42
103	Probing the Reversible Fe ³⁺ –DOPA-Mediated Bridging Interaction in Mussel Foot Protein-1. <i>Journal of Physical Chemistry C</i> , 2016, 120, 21670-21677.	1.5	22
104	Understanding the roles of high salinity in inhibiting the molybdenite flotation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 509, 123-129.	2.3	47
105	In situ probing the self-assembly of 3-hexyl-4-amino-1,2,4-triazole-5-thione on chalcopyrite surfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 511, 285-293.	2.3	42
106	A novel surfactant S-benzoyl-N,N-diethyldithiocarbamate synthesis and its flotation performance to galena. <i>Applied Surface Science</i> , 2016, 365, 342-351.	3.1	69
107	Adsorption of 1-hydroxyoctyl phosphonic acid to ilmenite/water interface and its application in flotation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 490, 67-73.	2.3	70
108	Investigation on the selectivity of N-((hydroxyamino)-alkyl) alkylamide surfactants for scheelite/calcite flotation separation. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 33, 131-141.	2.9	118

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109	Kinetics of reduction leaching of manganese dioxide ore with <i>Phytolacca americana</i> in sulfuric acid solution. <i>Journal of Saudi Chemical Society</i> , 2016, 20, 437-442.	2.4	32
110	Preparation of MnO ₂ and calcium silicate hydrate from electrolytic manganese residue and evaluation of adsorption properties. <i>Journal of Central South University</i> , 2015, 22, 2493-2502.	1.2	18
111	Study on the Activation of Scheelite and Wolframite by Lead Nitrate. <i>Minerals (Basel, Switzerland)</i> , 2015, 5, 247-258.	0.8	55
112	A novel conversion process for waste residue: Synthesis of zeolite from electrolytic manganese residue and its application to the removal of heavy metals. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 470, 258-267.	2.3	81
113	The collecting performance and interaction mechanism of sodium diisobutyl dithiophosphate in sulfide minerals flotation. <i>Journal of Materials Research and Technology</i> , 2015, 4, 151-161.	2.6	21
114	Reaction process and mechanism analysis for CaS generation in the process of reductive decomposition of CaSO ₃ with coal. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 50, 173-181.	2.7	16
115	Manganese extraction by reduction-acid leaching from low-grade manganese oxide ores using CaS as reductant. <i>Transactions of Nonferrous Metals Society of China</i> , 2015, 25, 1677-1684.	1.7	40
116	N-(6-(hydroxyamino)-6-oxohexyl) decanamide collector: Flotation performance and adsorption mechanism to diaspore. <i>Applied Surface Science</i> , 2015, 347, 79-87.	3.1	48
117	Flotation performances and adsorption mechanism of β -hydroxyoctyl phosphinic acid to cassiterite. <i>Applied Surface Science</i> , 2015, 353, 856-864.	3.1	53
118	Enhancing photocatalytic degradation of phenol through nitrogen- and nitrogen/fluorine-codoped Ti-SBA-15. <i>RSC Advances</i> , 2015, 5, 53299-53305.	1.7	7
119	Purification of bismuthinite concentrate by selective electro-oxidation of molybdenite. <i>Hydrometallurgy</i> , 2015, 154, 95-101.	1.8	16
120	A novel surfactant N-(6-(hydroxyamino)-6-oxohexyl)octanamide: Synthesis and flotation mechanisms to wolframite. <i>Separation and Purification Technology</i> , 2015, 145, 8-16.	3.9	47
121	One-pot synthesis of cyclic aldol tetramer and β , γ -unsaturated aldol from linear aldehydes using quaternary ammonium combined with sodium hydroxide as catalysts. <i>Journal of Central South University</i> , 2015, 22, 2081-2087.	1.2	3
122	A novel collector 2-ethyl-2-hexenoic hydroxamic acid: Flotation performance and adsorption mechanism to ilmenite. <i>Applied Surface Science</i> , 2015, 353, 882-889.	3.1	56
123	Electro-oxidation of sphalerite in weak alkaline sodium chloride solution. <i>Hydrometallurgy</i> , 2015, 157, 127-132.	1.8	6
124	Removal of basic dye (methylene blue) from aqueous solution using zeolite synthesized from electrolytic manganese residue. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 23, 344-352.	2.9	117
125	Flotation behavior and adsorption mechanism of β -hydroxyoctyl phosphinic acid to malachite. <i>Minerals Engineering</i> , 2015, 71, 188-193.	1.8	86
126	Study of N-isopropoxypropyl-N ^o -ethoxycarbonyl thiourea adsorption on chalcopyrite using in situ SECM, ToF-SIMS and XPS. <i>Journal of Colloid and Interface Science</i> , 2015, 437, 42-49.	5.0	83

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127	Adsorption thermodynamics and kinetics of N,N'-diisopropoxypropyl-N,N'-oxydiethylenedicarbonyl bis(thiourea) on chalcopyrite surfaces. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 21, 1306-1313.	2.9	31
128	Reduction Leaching of Manganese Dioxide Ore Using Black Locust as Reductant in Sulfuric Acid Solution. <i>Korean Chemical Engineering Research</i> , 2015, 53, 509-516.	0.2	5
129	Influence of surfactants on bioleaching of arsenic-containing gold concentrate. <i>Journal of Central South University</i> , 2014, 21, 3963-3969.	1.2	10
130	Investigations on reverse cationic flotation of iron ore by using a Gemini surfactant: Ethane-1,2-bis(dimethyl-dodecyl-ammonium bromide). <i>Chemical Engineering Journal</i> , 2014, 257, 218-228.	6.6	124
131	Leaching Behavior and Risk Assessment of Heavy Metals in a Landfill of Electrolytic Manganese Residue in Western Hunan, China. <i>Human and Ecological Risk Assessment (HERA)</i> , 2014, 20, 1249-1263.	1.7	43
132	Reductive leaching of manganese oxide ores using waste tea as reductant in sulfuric acid solution. <i>Transactions of Nonferrous Metals Society of China</i> , 2014, 24, 861-867.	1.7	58
133	Gemini trisiloxane surfactant: Synthesis and flotation of aluminosilicate minerals. <i>Minerals Engineering</i> , 2014, 56, 145-154.	1.8	33
134	Synthesis, characterization and properties of 3,3'-diethyl-1,1'-oxydiethylenedicarbonyl bis(thiourea). <i>Research on Chemical Intermediates</i> , 2014, 40, 2025-2038.	1.3	14
135	Synthesis and Properties of Tannic Acid-Based Hydrogels. <i>Journal of Macromolecular Science - Physics</i> , 2014, 53, 233-242.	0.4	13
136	Kinetics of reductive leaching of manganese oxide ore using cellulose as reductant. <i>Journal of Central South University</i> , 2014, 21, 1763-1770.	1.2	27
137	Porous graphitic carbon prepared from the catalytic carbonization of Mo-containing resin for supercapacitors. <i>RSC Advances</i> , 2014, 4, 13518.	1.7	29
138	A simple organic-inorganic co-assembling route to pore-expanded ordered mesoporous carbons with 2-D hexagonal mesostructure. <i>Powder Technology</i> , 2014, 259, 74-80.	2.1	10
139	The interaction of N-butoxypropyl-N'-ethoxycarbonylthiourea with sulfide minerals: Scanning electrochemical microscopy, diffuse reflectance infrared Fourier transform spectroscopy, and thermodynamics. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 456, 203-210.	2.3	40
140	Synthesis of 2,4-Diaminoquinazoline and 2,4-Diaminopyrido-[2,3-d]pyrimidine Derivatives. <i>Chinese Journal of Organic Chemistry</i> , 2014, 34, 414.	0.6	0
141	Influence of calcium lignosulfonate on bioleaching of arsenic-containing gold concentrate. , 2014, , .		0
142	5,6-bis(tetradecyloxy)-2,1,3-benzoselenadiazole-based polymers for photovoltaic applications. <i>Journal of Applied Polymer Science</i> , 2013, 128, 3678-3686.	1.3	4
143	Gross morphology and ultrastructure of salivary glands of the mute cicada <i>Karenia caelatata</i> Distant (Hemiptera: Cicadoidea). <i>Micron</i> , 2013, 45, 83-91.	1.1	15
144	Comparative studies on flotation of aluminosilicate minerals with Gemini cationic surfactants BDDA and EDDA. <i>Transactions of Nonferrous Metals Society of China</i> , 2013, 23, 3055-3062.	1.7	18

#	ARTICLE	IF	CITATIONS
145	A DFT study on the structure-reactivity relationship of thiophosphorus acids as flotation collectors with sulfide minerals: Implication of surface adsorption. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 434, 243-252.	2.3	46
146	Separation of rhenium from electric-oxidation leaching solution of molybdenite. <i>Journal of Central South University</i> , 2013, 20, 2103-2108.	1.2	5
147	A solution-processable D ^π A ^π D small molecule based on isoindigo for organic solar cells. <i>Journal of Materials Science</i> , 2013, 48, 1014-1020.	1.7	35
148	Preparation of highly graphitized porous carbon from resins treated with Cr ⁶⁺ -containing wastewater for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2013, 1, 6558.	5.2	22
149	The DFT study of cyclohexyl hydroxamic acid as a collector in scheelite flotation. <i>Minerals Engineering</i> , 2013, 49, 54-60.	1.8	123
150	The effect of culture condition and ionic strength on proton adsorption at the surface of the extreme thermophile <i>Acidianus manzaensis</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 102, 667-673.	2.5	13
151	Synthesis and Bioactivity of poly N-phenylene-N'-aroylthiourea. <i>Applied Mechanics and Materials</i> , 2013, 341-342, 351-354.	0.2	0
152	Removal of Cadmium Ions from Aqueous Solution by Nanostructured Carbonated Fluorapatite Bearing Siliceous Phosphorite. <i>Advanced Materials Research</i> , 2013, 712-715, 482-486.	0.3	0
153	Preparation of Strontium-Barium Hydroxyapatite by Coprecipitation. <i>Advanced Materials Research</i> , 2013, 690-693, 1524-1528.	0.3	0
154	The selective leaching and separation of molybdenum from complex molybdenite concentrate containing copper. <i>Mining, Metallurgy and Exploration</i> , 2013, 30, 233-237.	0.4	1
155	Recovery of Nickel and Iron from Lixivium of Nickel Laterite Ores. <i>Advanced Materials Research</i> , 2012, 524-527, 1037-1040.	0.3	0
156	Mechanisms and Application on Reduction Leaching of Pyrolusite by Cellulosic Biomass. <i>Advanced Materials Research</i> , 2012, 557-559, 18-22.	0.3	1
157	Synthesis of a Novel Hexanedioyl Thiourea Resin and its Adsorption Properties for Ag(I). <i>Applied Mechanics and Materials</i> , 2012, 217-219, 1213-1217.	0.2	0
158	Synthesis and photovoltaic properties of a solution-processable organic molecule containing dithienylbenzotriazole and triphenylamine. <i>Synthetic Metals</i> , 2012, 162, 630-635.	2.1	5
159	Adsorption of mercaptobenzoheterocyclic compounds on sulfide mineral surfaces: A density functional theory study of structure-reactivity relations. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 409, 1-9.	2.3	64
160	A novel approach for preferential flotation recovery of molybdenite from a porphyry copper-molybdenum ore. <i>Minerals Engineering</i> , 2012, 36-38, 37-44.	1.8	41
161	Synthesis of ethoxycarbonyl isothiocyanate by orthogonal design. <i>Journal of Central South University</i> , 2012, 19, 2447-2450.	1.2	0
162	Novel Preparation and Characterization of Calcium-Strontium Hydroxyapatite. <i>Applied Mechanics and Materials</i> , 2012, 217-219, 965-968.	0.2	1

#	ARTICLE	IF	CITATIONS
163	An investigation of oxygen pressure acid leaching of Gacun complex Cu-Pb bulk concentrate. <i>Rare Metals</i> , 2012, 31, 96-101.	3.6	7
164	A novel dithiourea and its response to metal ions. <i>Chinese Chemical Letters</i> , 2012, 23, 93-96.	4.8	4
165	Study of phenol removal using fluidized-bed Fenton process. <i>Chemical Engineering Research and Design</i> , 2012, 90, 377-382.	2.7	24
166	A novel hydrometallurgy of molybdenite concentrate and its kinetics. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 938-942.	1.6	7
167	Oxygen pressure acid leaching of Gacun complex Cu concentrates. <i>Journal of Central South University</i> , 2012, 19, 71-76.	1.2	1
168	Synthesis and reaction with metal ions of a new thionocarbamate. <i>Research on Chemical Intermediates</i> , 2012, 38, 903-909.	1.3	5
169	Synthesis, Structure Characterization and its Coordination with Metal Ions of <i>N,N'</i> -Diethoxycarbonyl- <i>N,N'</i> -(1,2-Propylidene) Dithiourea. <i>Advanced Materials Research</i> , 2011, 317-319, 2306-2309.	0.3	0
170	Improving copper flotation recovery from a refractory copper porphyry ore by using ethoxycarbonyl thiourea as a collector. <i>Minerals Engineering</i> , 2011, 24, 817-824.	1.8	55
171	Recovery of valuable metals from Gacun complex copper concentrate by two-stage countercurrent oxygen pressure acid leaching process. <i>Minerals Engineering</i> , 2011, 24, 1082-1083.	1.8	13
172	Recovery of Copper(II) and Nickel(II) from Plating Wastewater by Solvent Extraction. <i>Chinese Journal of Chemical Engineering</i> , 2011, 19, 926-930.	1.7	23
173	Synthesis of 1,4-benzenedicarbonyl thiourea resins and their adsorption properties for Ag(I). <i>Journal of Central South University</i> , 2011, 18, 361-366.	1.2	4
174	Adsorption Performance for Ag(I) of an Ethoxycarbonyl Thiourea Chelating Resin. <i>Advanced Materials Research</i> , 2011, 311-313, 1077-1080.	0.3	1
175	The Research on Novel Technics for Fluorite Ore Containing Carbonate Minerals. <i>Advanced Materials Research</i> , 2011, 402, 529-534.	0.3	1
176	Preparation and Chelating Properties of Polystyrene Modified Ethoxycarbonyl Thiourea Resin. <i>Advanced Materials Research</i> , 2011, 239-242, 781-785.	0.3	2
177	Electric-oxidation extraction of molybdenite concentrate in alkaline NaCl electrolyte. <i>Central South University</i> , 2010, 17, 480-484.	0.5	5
178	Determination of hydroxamic acids by direct spectrophotometry of colored complex in acidic solution. <i>Research on Chemical Intermediates</i> , 2010, 36, 495-501.	1.3	12
179	Effects of F127 on Properties of PVB/F127 Blend Hollow Fiber Membrane via Thermally Induced Phase Separation. <i>Chinese Journal of Chemical Engineering</i> , 2010, 18, 207-216.	1.7	5
180	Temperature dependence of magnetic property and photocatalytic activity of Fe ₃ O ₄ /hydroxyapatite nanoparticles. <i>Materials Research Bulletin</i> , 2010, 45, 2036-2039.	2.7	37

#	ARTICLE	IF	CITATIONS
181	Molybdenum extraction from molybdenite concentrate in NaCl electrolyte. Journal of the Taiwan Institute of Chemical Engineers, 2010, 41, 338-343.	2.7	28
182	Diabetes insipidus as main presentation of non-Hodgkin's lymphoma with hypophyseal involvement: Two case reports. Leukemia Research, 2010, 34, e32-e34.	0.4	5
183	Reverse flotation of diaspore from aluminosilicates by a new cationic organosilicon quaternary ammonium collector. Mining, Metallurgy and Exploration, 2010, 27, 173-178.	0.4	0
184	Flotation techniques for separation of diaspore from bauxite using Gemini collector and starch depressant. Transactions of Nonferrous Metals Society of China, 2010, 20, 495-501.	1.7	32
185	Effect of N-substituents on performance of thiourea collectors by density functional theory calculations. Transactions of Nonferrous Metals Society of China, 2010, 20, 695-701.	1.7	16
186	Utilization of soluble starch as a depressant for the reverse flotation of diaspore from kaolinite. Minerals Engineering, 2009, 22, 560-565.	1.8	48
187	Electricity oxidation kinetics of molybdenite concentrate in acidic NaCl solution. Canadian Journal of Chemical Engineering, 2009, 87, 939-944.	0.9	6
188	Electron bandstructure of kaolinite and its mechanism of flotation using dodecylamine as collector. Central South University, 2009, 16, 73-79.	0.5	18
189	Techniques of copper recovery from Mexican copper oxide ore. Mining Science and Technology, 2009, 19, 45-48.	0.3	20
190	Flotation separation of the aluminosilicates from diaspore by a Gemini cationic collector. International Journal of Mineral Processing, 2009, 92, 74-83.	2.6	65
191	Solvent extraction of rhenium from molybdenum in alkaline solution. Hydrometallurgy, 2009, 97, 153-157.	1.8	70
192	A novel technology for molybdenum extraction from molybdenite concentrate. Hydrometallurgy, 2009, 99, 2-6.	1.8	51
193	Flotation of aluminosilicate minerals using alkylguanidine collectors. Transactions of Nonferrous Metals Society of China, 2009, 19, 228-234.	1.7	45
194	Comparative studies on flotation of illite, pyrophyllite and kaolinite with Gemini and conventional cationic surfactants. Transactions of Nonferrous Metals Society of China, 2009, 19, 446-453.	1.7	34
195	Treatment of stable oil/water emulsion by novel felt-metal supported PVA composite hydrophilic membrane using cross flow ultrafiltration. Transactions of Nonferrous Metals Society of China, 2009, 19, 773-777.	1.7	22
196	Synthesis and adsorption properties for Au(III) of alkoxycarbonyl thiourea resin. Central South University, 2008, 15, 463-468.	0.5	15
197	The pharmacological effect of polysaccharides from <i>Lentinus edodes</i> on the oxidative status and expression of VCAM-1 mRNA of thoracic aorta endothelial cell in high-fat-diet rats. Carbohydrate Polymers, 2008, 74, 445-450.	5.1	57
198	Investigation of the effect of N-substituents on performance of thionocarbamates as selective collectors for copper sulfides by ab initio calculations. Minerals Engineering, 2008, 21, 1050-1054.	1.8	51

#	ARTICLE	IF	CITATIONS
199	Flotation separation of diasporite from kaolinite, pyrophyllite and illite using three cationic collectors. Minerals Engineering, 2008, 21, 1055-1061.	1.8	78
200	The role of cationic polyacrylamide in the reverse flotation of diasporic bauxite. Minerals Engineering, 2007, 20, 1191-1199.	1.8	65
201	Effect of quaternary ammonium salts on flotation behavior of aluminosilicate minerals. Central South University, 2007, 14, 500-503.	0.5	19
202	The separation of Cu/Fe sulfide minerals at slightly alkaline conditions by using ethoxycarbonyl thionocarbamates as collectors: Theory and practice. Minerals Engineering, 2006, 19, 1380-1384.	1.8	44
203	A New Copper Extractant and its Extraction Performances in Sulfate Medium. Advanced Materials Research, 0, 233-235, 210-213.	0.3	0
204	Separation and Recovery of Copper (II), Nickel (II) from Simulated Plating Wastewater by Solvent Extraction Using Lix984. Advanced Materials Research, 0, 365, 252-259.	0.3	9
205	The Synthesis of Novel Organosilicon Collector QAS222 and its Flotation Performance on Aluminosilicate Minerals. Advanced Materials Research, 0, 233-235, 2113-2118.	0.3	0
206	Research on Flame Retardance and Application of Magnesium Hydroxide Sulfate Whiskers to HDPE. Advanced Materials Research, 0, 239-242, 743-747.	0.3	0
207	Synthesis and Adsorption Properties for Ag(I) of Pyridinedicarbonyl Thiourea Resin. Advanced Materials Research, 0, 581-582, 180-184.	0.3	2
208	Synthesis and Bioactivities of Poly N-Arenely-Na TM - (1,4-Butenedioxy carbonyl)thioureas. Advanced Materials Research, 0, 610-613, 177-180.	0.3	0
209	Adsorption of methylene blue by porous ceramics prepared from electrolytic manganese residues. Desalination and Water Treatment, 0, , 1-11.	1.0	13