

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	Molecular design of flotation collectors: A recent progress. <i>Advances in Colloid and Interface Science</i> , 2017, 246, 181-195.	7.0	139
2	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
3	The DFT study of cyclohexyl hydroxamic acid as a collector in scheelite flotation. <i>Minerals Engineering</i> , 2013, 49, 54-60.	1.8	123
4	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
5	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
6	Flotation behavior and adsorption mechanism of $\hat{1}\pm$ -hydroxyoctyl phosphinic acid to malachite. <i>Minerals Engineering</i> , 2015, 71, 188-193.	1.8	86
7	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
8	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
9	Study of N-isopropoxypropyl-N \hat{e} ™-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
10	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
11	Flotation separation of diasporite from kaolinite, pyrophyllite and illite using three cationic collectors. <i>Minerals Engineering</i> , 2008, 21, 1055-1061.	1.8	78
12	Solvent extraction of rhenium from molybdenum in alkaline solution. <i>Hydrometallurgy</i> , 2009, 97, 153-157.	1.8	70
13	Adsorption of $\hat{1}\pm$ -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
14	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
15	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
16	The role of cationic polyacrylamide in the reverse flotation of diasporic bauxite. <i>Minerals Engineering</i> , 2007, 20, 1191-1199.	1.8	65
17	Flotation separation of the aluminosilicates from diasporite by a Gemini cationic collector. <i>International Journal of Mineral Processing</i> , 2009, 92, 74-83.	2.6	65
18	Adsorption of mercaptobenzoheterocyclic compounds on sulfide mineral surfaces: A density functional theory study of structure \hat{e} ™ reactivity relations. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 409, 1-9.	2.3	64

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19	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
20	Gemini surfactant: A novel flotation collector for harvesting of microalgae by froth flotation. <i>Bioresource Technology</i> , 2019, 275, 421-424.	4.8	61
21	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
22	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
23	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. <i>Carbohydrate Polymers</i> , 2008, 74, 445-450.	5.1	57
24	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
25	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
26	Study on the Activation of Scheelite and Wolframite by Lead Nitrate. <i>Minerals (Basel, Switzerland)</i> , 2015, 5, 247-258.	0.8	55
27	New advances in the understanding and development of flotation collectors: A Chinese experience. <i>Minerals Engineering</i> , 2018, 118, 78-86.	1.8	55
28	Flotation performances and adsorption mechanism of β -hydroxyoctyl phosphinic acid to cassiterite. <i>Applied Surface Science</i> , 2015, 353, 856-864.	3.1	53
29	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
30	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
31	Investigation of the effect of N-substituents on performance of thionocarbamates as selective collectors for copper sulfides by ab initio calculations. <i>Minerals Engineering</i> , 2008, 21, 1050-1054.	1.8	51
32	A novel technology for molybdenum extraction from molybdenite concentrate. <i>Hydrometallurgy</i> , 2009, 99, 2-6.	1.8	51
33	Utilization of soluble starch as a depressant for the reverse flotation of diasporite from kaolinite. <i>Minerals Engineering</i> , 2009, 22, 560-565.	1.8	48
34	N-(6-(hydroxyamino)-6-oxohexyl) decanamide collector: Flotation performance and adsorption mechanism to diasporite. <i>Applied Surface Science</i> , 2015, 347, 79-87.	3.1	48
35	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
36	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

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37	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
38	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
39	Flotation of aluminosilicate minerals using alkylguanidine collectors. <i>Transactions of Nonferrous Metals Society of China</i> , 2009, 19, 228-234.	1.7	45
40	The separation of Cu/Fe sulfide minerals at slightly alkaline conditions by using ethoxycarbonyl thionocarbamates as collectors: Theory and practice. <i>Minerals Engineering</i> , 2006, 19, 1380-1384.	1.8	44
41	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
42	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
43	A novel surfactant 2-amino-6-decanamido-hexanoic acid: Flotation performance and adsorption mechanism to diaspore. <i>Minerals Engineering</i> , 2016, 93, 16-23.	1.8	42
44	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
45	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
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 interaction of N-butoxypropyl-N ^ε -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
48	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
49	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
50	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
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	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
53	Recent experimental advances on hydrophobic interactions at solid/water and fluid/water interfaces. <i>Biointerphases</i> , 2016, 11, 018903.	0.6	37
54	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

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55	Synthesis of 2-hydroxyethyl dibutyldithiocarbamate and its adsorption mechanism on chalcopyrite. <i>Applied Surface Science</i> , 2019, 476, 460-467.	3.1	35
56	Comparative studies on flotation of illite, pyrophyllite and kaolinite with Gemini and conventional cationic surfactants. <i>Transactions of Nonferrous Metals Society of China</i> , 2009, 19, 446-453.	1.7	34
57	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
58	Comprehensive recovery of arsenic and antimony from arsenic-rich copper smelter dust. <i>Journal of Hazardous Materials</i> , 2021, 413, 125365.	6.5	34
59	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
60	Gemini trisiloxane surfactant: Synthesis and flotation of aluminosilicate minerals. <i>Minerals Engineering</i> , 2014, 56, 145-154.	1.8	33
61	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
62	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
63	Flotation techniques for separation of diasporite from bauxite using Gemini collector and starch depressant. <i>Transactions of Nonferrous Metals Society of China</i> , 2010, 20, 495-501.	1.7	32
64	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
65	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
66	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
67	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
68	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
69	Porous graphitic carbon prepared from the catalytic carbonization of Mo-containing resin for supercapacitors. <i>RSC Advances</i> , 2014, 4, 13518.	1.7	29
70	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
71	The selective flotation behavior and adsorption mechanism of thiohexanamide to chalcopyrite. <i>Minerals Engineering</i> , 2019, 137, 187-199.	1.8	29
72	Molybdenum extraction from molybdenite concentrate in NaCl electrolyte. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2010, 41, 338-343.	2.7	28

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73	Flotation of low-grade bauxite using organosilicon cationic collector and starch depressant. Transactions of Nonferrous Metals Society of China, 2016, 26, 1112-1117.	1.7	28
74	Facile preparation of novel and active 2D nanosheets from non-layered and traditionally non-exfoliable earth-abundant materials. Journal of Materials Chemistry A, 2019, 7, 15411-15419.	5.2	28
75	Kinetics of reductive leaching of manganese oxide ore using cellulose as reductant. Journal of Central South University, 2014, 21, 1763-1770.	1.2	27
76	The adsorption mechanism of N-butoxypropyl-S-[2-(hydroxyimino) propyl] dithiocarbamate ester to copper minerals flotation. International Journal of Mineral Processing, 2017, 166, 53-61.	2.6	27
77	Modulation of the morphology, surface energy and wettability of malachite through a S,O,O-ligand surfactant: Mechanism and hydrophobization. Applied Surface Science, 2020, 505, 144467.	3.1	27
78	The flotation behavior and adsorption mechanism of O-isopropyl-S-[2-(hydroxyimino) propyl] dithiocarbonate ester to chalcopyrite. Journal of the Taiwan Institute of Chemical Engineers, 2017, 71, 38-46.	2.7	26
79	Hydrophobic agglomeration of rhodochrosite fines in aqueous suspensions with sodium oleate. Powder Technology, 2021, 377, 186-193.	2.1	26
80	Novel Sodium <i>O</i> -Benzythioethyl Xanthate Surfactant: Synthesis, DFT Calculation and Adsorption Mechanism on Chalcopyrite Surface. Langmuir, 2019, 35, 15106-15113.	1.6	25
81	Study of phenol removal using fluidized-bed Fenton process. Chemical Engineering Research and Design, 2012, 90, 377-382.	2.7	24
82	In situ nano-silicate functionalized magnetic composites by (poly)dopamine to improve MB removal. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 552, 89-97.	2.3	24
83	Recovery of Copper(II) and Nickel(II) from Plating Wastewater by Solvent Extraction. Chinese Journal of Chemical Engineering, 2011, 19, 926-930.	1.7	23
84	Synthesis of thioxopropanamide surfactants for studying the flotation performance and adsorption mechanism on chalcopyrite. Applied Surface Science, 2020, 505, 144539.	3.1	23
85	Insights into the selective adsorption mechanism of a multifunctional thioether-containing hydroxamic acid on separation of wolframite from fluorite. Powder Technology, 2021, 380, 421-429.	2.1	23
86	Investigating the flotation performance and interfacial adsorption mechanism of N-benzoyl-N,N'-diethyl thiourea on chalcopyrite and pyrite. Minerals Engineering, 2021, 172, 107178.	1.8	23
87	Uncovering the hydrophobic mechanism of a novel dithiocarbamate-hydroxamate surfactant towards galena. Chemical Engineering Science, 2021, 245, 116765.	1.9	23
88	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
89	Preparation of highly graphitized porous carbon from resins treated with Cr ⁶⁺ -containing wastewater for supercapacitors. Journal of Materials Chemistry A, 2013, 1, 6558.	5.2	22
90	Probing the Reversible Fe ³⁺ -DOPA-Mediated Bridging Interaction in Mussel Foot Protein-1. Journal of Physical Chemistry C, 2016, 120, 21670-21677.	1.5	22

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91	Facile preparation of Mn ₃ O ₄ hollow microspheres via reduction of pentachloropyridine and their performance in lithium-ion batteries. RSC Advances, 2017, 7, 8264-8271.	1.7	22
92	In situ self-assembly of molybdenum disulfide/Mg-Al layered double hydroxide composite for enhanced photocatalytic activity. Journal of Alloys and Compounds, 2020, 817, 153308.	2.8	22
93	The collecting performance and interaction mechanism of sodium diisobutyl dithiophosphate in sulfide minerals flotation. Journal of Materials Research and Technology, 2015, 4, 151-161.	2.6	21
94	Hydrophobic intensification flotation: Comparison of collector containing two minerophilic groups with conventional collectors. Transactions of Nonferrous Metals Society of China, 2020, 30, 2536-2546.	1.7	21
95	Techniques of copper recovery from Mexican copper oxide ore. Mining Science and Technology, 2009, 19, 45-48.	0.3	20
96	Kinetics and equilibrium studies of phosphate removal from aqueous solution by calcium silicate hydrate synthesized from electrolytic manganese residue. Adsorption Science and Technology, 2019, 37, 547-565.	1.5	20
97	Effect of quaternary ammonium salts on flotation behavior of aluminosilicate minerals. Central South University, 2007, 14, 500-503.	0.5	19
98	One-pot synthesis of 5-hydroxymethylfurfural from glucose over zirconium doped mesoporous KIT-6. Chinese Journal of Chemical Engineering, 2018, 26, 1270-1277.	1.7	19
99	Flotation performance and adsorption mechanism of styryl phosphonate mono-iso-octyl ester to malachite. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 579, 123698.	2.3	19
100	Investigation on the selectivity of thioamide surfactants and adsorption mechanism of thio-p-toluamide for chalcopyrite. Applied Surface Science, 2019, 484, 864-875.	3.1	19
101	In situ selenylation of molybdate ion intercalated Co-Al layered double hydroxide for high-performance electrocatalytic oxygen evolution reaction. Journal of the Taiwan Institute of Chemical Engineers, 2021, 119, 166-176.	2.7	19
102	Electron bandstructure of kaolinite and its mechanism of flotation using dodecylamine as collector. Central South University, 2009, 16, 73-79.	0.5	18
103	Comparative studies on flotation of aluminosilicate minerals with Gemini cationic surfactants BDDA and EDDA. Transactions of Nonferrous Metals Society of China, 2013, 23, 3055-3062.	1.7	18
104	Preparation of MnO ₂ and calcium silicate hydrate from electrolytic manganese residue and evaluation of adsorption properties. Journal of Central South University, 2015, 22, 2493-2502.	1.2	18
105	Utilization of Electrolytic Manganese Residues in Production of Porous Ceramics. International Journal of Applied Ceramic Technology, 2016, 13, 511-521.	1.1	18
106	Novel preparation of high activity 1T-phase MoS ₂ ultra-thin flakes by layered double hydroxide for enhanced hydrogen evolution performance. International Journal of Hydrogen Energy, 2019, 44, 21229-21237.	3.8	18
107	Ce and MoS ₂ dual-doped cobalt aluminum layered double hydroxides for enhanced oxygen evolution reaction. International Journal of Hydrogen Energy, 2022, 47, 1644-1655.	3.8	17
108	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

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109	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
110	Purification of bismuthinite concentrate by selective electro-oxidation of molybdenite. <i>Hydrometallurgy</i> , 2015, 154, 95-101.	1.8	16
111	Synthesis and adsorption properties for Au(III) of alkoxycarbonyl thiourea resin. <i>Central South University</i> , 2008, 15, 463-468.	0.5	15
112	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
113	Synthesis of Novel Ether Thionocarbamates and Study on Their Flotation Performance for Chalcopyrite. <i>Minerals (Basel, Switzerland)</i> , 2016, 6, 97.	0.8	15
114	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
115	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
116	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
117	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
118	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
119	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
120	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
121	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
122	Flotation of rhodochrosite fines induced by octyl hydroxamic acid as hydrophobic agglomerates. <i>Powder Technology</i> , 2021, 392, 108-115.	2.1	14
123	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
124	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
125	Synthesis and Properties of Tannic Acid-Based Hydrogels. <i>Journal of Macromolecular Science - Physics</i> , 2014, 53, 233-242.	0.4	13
126	Adsorption of methylene blue by porous ceramics prepared from electrolytic manganese residues. <i>Desalination and Water Treatment</i> , 0, , 1-11.	1.0	13

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127	Benzohydroxamic acid to improve iron removal from potash feldspar ores. <i>Journal of Central South University</i> , 2018, 25, 2190-2198.	1.2	13
128	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
129	MoS ₂ /CoAl-LDH heterostructure for enhanced efficient of oxygen evolution reaction. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 607, 125419.	2.3	13
130	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
131	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
132	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
133	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
134	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
135	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
136	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
137	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
138	Influence of surfactants on bioleaching of arsenic-containing gold concentrate. <i>Journal of Central South University</i> , 2014, 21, 3963-3969.	1.2	10
139	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
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