

Zhi-gao Xu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Kinetics of column leaching of rare earth and aluminum from weathered crust elution-deposited rare earth ore with ammonium salt solutions. <i>Hydrometallurgy</i> , 2016, 163, 33-39.	4.3	70
2	Research progress on leaching technology and theory of weathered crust elution-deposited rare earth ore. <i>Hydrometallurgy</i> , 2020, 193, 105295.	4.3	70
3	Process optimization of rare earth and aluminum leaching from weathered crust elution-deposited rare earth ore with compound ammonium salts. <i>Journal of Rare Earths</i> , 2016, 34, 413-419.	4.8	65
4	Novel solution injection technology for in-situ leaching of weathered crust elution-deposited rare earth ores. <i>Hydrometallurgy</i> , 2016, 164, 248-256.	4.3	49
5	Column leaching process of rare earth and aluminum from weathered crust elution-deposited rare earth ore with ammonium salts. <i>Transactions of Nonferrous Metals Society of China</i> , 2016, 26, 3024-3033.	4.2	37
6	Leaching hydrodynamics of weathered elution-deposited rare earth ore with ammonium salts solution. <i>Journal of Rare Earths</i> , 2017, 35, 824-830.	4.8	36
7	Separation of zirconium and hafnium by solvent extraction using mixture of DIBK and P204. <i>Hydrometallurgy</i> , 2016, 165, 275-281.	4.3	19
8	As(III) removal from aqueous solution by katoite ($\text{Ca}_3\text{Al}_2(\text{OH})_{12}$). <i>Chemosphere</i> , 2020, 260, 127555.	8.2	18
9	Calcium chloride addition to overcome the barriers for synthesizing new Ca-Ti layered double hydroxide by mechanochemistry. <i>Applied Clay Science</i> , 2019, 173, 29-34.	5.2	12
10	Anti-swelling mechanism of DMDACC on weathered crust elution-deposited rare earth ore. <i>Journal of Rare Earths</i> , 2022, 40, 1803-1811.	4.8	9
11	Leaching Process and Mechanism of Weathered Crust Elution-Deposited Rare Earth Ore. <i>Mining, Metallurgy and Exploration</i> , 2019, 36, 1021-1031.	0.8	8
12	Separation of hafnium from zirconium in HNO_3 solution by solvent extraction with Cyanex572. <i>Hydrometallurgy</i> , 2021, 202, 105600.	4.3	8
13	Preparation and properties of composite hydrogen permeation barrier on $\text{ZrH}_{1.8}$ by sol-gel technique. <i>Surface and Coatings Technology</i> , 2018, 352, 159-165.	4.8	6
14	Extraction kinetics and mechanism of Zr and Hf by DIBK-TOPO system using Lewis Cell. <i>Separation Science and Technology</i> , 2018, 53, 2418-2426.	2.5	4
15	Process for synergistic extraction of Hf(IV) over Zr(IV) from thiocyanic acid solution with TOPO and N1923. <i>Chemical Engineering and Processing: Process Intensification</i> , 2022, 170, 108673.	3.6	4
16	Mechanochemically prepared Zn-Al LDH precursor for rare earth elements recovery. <i>Materials Chemistry and Physics</i> , 2022, 283, 126022.	4.0	2