

# Zhi-gao Xu

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Mechanochemically prepared Zn-Al LDH precursor for rare earth elements recovery. <i>Materials Chemistry and Physics</i> , 2022, 283, 126022.	4.0	2
4	Separation of hafnium from zirconium in HNO <sub>3</sub> solution by solvent extraction with Cyanex572. <i>Hydrometallurgy</i> , 2021, 202, 105600.	4.3	8
5	As(III) removal from aqueous solution by katoite (Ca <sub>3</sub> Al <sub>2</sub> (OH) <sub>12</sub> ). <i>Chemosphere</i> , 2020, 260, 127555.	8.2	18
6	Research progress on leaching technology and theory of weathered crust elution-deposited rare earth ore. <i>Hydrometallurgy</i> , 2020, 193, 105295.	4.3	70
7	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
8	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
9	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
10	Preparation and properties of composite hydrogen permeation barrier on ZrH <sub>1.8</sub> by sol-gel technique. <i>Surface and Coatings Technology</i> , 2018, 352, 159-165.	4.8	6
11	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
12	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
13	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
14	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
15	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
16	Separation of zirconium and hafnium by solvent extraction using mixture of DIBK and P204. <i>Hydrometallurgy</i> , 2016, 165, 275-281.	4.3	19