

# Liangshi Wang

## List of Publications by Year in descending order

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33  
papers

1,709  
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361413  
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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Recovery of rare earth elements from phosphate rock by hydrometallurgical processes – A critical review. <i>Chemical Engineering Journal</i> , 2018, 335, 774-800.	12.7	168
2	Technology development for rare earth cleaner hydrometallurgy in China. <i>Rare Metals</i> , 2015, 34, 215-222.	7.1	163
3	Synthesis mechanism and gas-sensing application of nanosheet-assembled tungsten oxide microspheres. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7927-7934.	10.3	153
4	Recovery of rare earths from wet-process phosphoric acid. <i>Hydrometallurgy</i> , 2010, 101, 41-47.	4.3	149
5	Selective recovery of rare earth elements from ion-adsorption rare earth element ores by stepwise extraction with HEH(EHP) and HDEHP. <i>Green Chemistry</i> , 2017, 19, 1345-1352.	9.0	106
6	Adsorption ability of rare earth elements on clay minerals and its practical performance. <i>Journal of Rare Earths</i> , 2016, 34, 543-548.	4.8	103
7	Towards cleaner production of rare earth elements from bastnaesite in China. <i>Journal of Cleaner Production</i> , 2017, 165, 231-242.	9.3	99
8	Toward greener comprehensive utilization of bastnaesite: Simultaneous recovery of cerium, fluorine, and thorium from bastnaesite leach liquor using HEH(EHP). <i>Chemical Engineering Journal</i> , 2013, 215-216, 162-167.	12.7	83
9	Simultaneous recovery of rare earths and uranium from wet process phosphoric acid using solvent extraction with D2EHPA. <i>Hydrometallurgy</i> , 2018, 175, 109-116.	4.3	81
10	Recovery of fluorine from bastnasite as synthetic cryolite by-product. <i>Journal of Hazardous Materials</i> , 2012, 209-210, 77-83.	12.4	64
11	Yttrium extraction from chloride solution with a synergistic system of 2-ethylhexyl phosphonic acid mono-(2-ethylhexyl) ester and bis(2,4,4-trimethylpentyl) phosphinic acid. <i>Hydrometallurgy</i> , 2014, 147-148, 7-12.	4.3	59
12	Kinetics of rare earth leaching from roasted ore of bastnaesite with sulfuric acid. <i>Transactions of Nonferrous Metals Society of China</i> , 2013, 23, 849-854.	4.2	53
13	Eliminating ammonia emissions during rare earth separation through control of equilibrium acidity in a HEH(EHP)-Cl system. <i>Green Chemistry</i> , 2013, 15, 1889.	9.0	50
14	Study on non-saponification extraction process for rare earth separation. <i>Journal of Rare Earths</i> , 2013, 31, 512-516.	4.8	41
15	Kinetics study on the leaching of rare earth and aluminum from FCC catalyst waste slag using hydrochloric acid. <i>Hydrometallurgy</i> , 2017, 171, 312-319.	4.3	40
16	Simultaneous recovery of rare earth elements and phosphorus from phosphate rock by phosphoric acid leaching and selective precipitation: Towards green process. <i>Journal of Rare Earths</i> , 2019, 37, 652-658.	4.8	36
17	Centrifugal extraction of rare earths from wet-process phosphoric acid. <i>Rare Metals</i> , 2011, 30, 211-215.	7.1	28
18	Recovery of rare earths and aluminum from FCC waste slag by acid leaching and selective precipitation. <i>Journal of Rare Earths</i> , 2017, 35, 1141-1148.	4.8	28

#	ARTICLE	IF	CITATIONS
19	Preparation of crystalline mixed rare earth carbonates by Mg(HCO <sub>3</sub> ) <sub>2</sub> precipitation method. Journal of Rare Earths, 2020, 38, 292-298.	4.8	23
20	Kinetics of rare earth pre-loading with 2-ethylhexyl phosphoric acid mono 2-ethylhexyl ester [HEH(EHP)] using rare earth carbonates. Separation and Purification Technology, 2014, 122, 490-494.	7.9	22
21	Recovery of rare earths and aluminum from FCC catalysts manufacturing slag by stepwise leaching and selective precipitation. Journal of Environmental Chemical Engineering, 2017, 5, 3711-3718.	6.7	21
22	Thermal decomposition and oxidation of bastnaesite concentrate in inert and oxidative atmosphere. Journal of Rare Earths, 2018, 36, 758-764.	4.8	19
23	The effect of powder grain size on the microstructure and electrical properties of 8 mol% Y <sub>2</sub> O <sub>3</sub> -stabilized ZrO <sub>2</sub> . RSC Advances, 2017, 7, 39153-39159.	3.6	18
24	Aqueous stability of rare earth and thorium elements during hydrochloric acid leaching of roasted bastnaesite. Journal of Rare Earths, 2017, 35, 1255-1260.	4.8	17
25	Thermodynamics and kinetics of lutetium extraction with HEH(EHP) in hydrochloric acid medium. Journal of Rare Earths, 2016, 34, 300-307.	4.8	16
26	The synthesis of metal-organic framework Al <sub>3</sub> derived Brønsted acid catalyst and its application in the Mannich reaction. Applied Organometallic Chemistry, 2017, 31, e3569.	3.5	14
27	Synthesis and characterization of high ionic conductivity ScSZ core/shell nanocomposites. Journal of Rare Earths, 2017, 35, 567-573.	4.8	11
28	La-Hexaaluminate Catalyst Preparation and Its Performance for Methane Catalytic Combustion. Journal of Rare Earths, 2006, 24, 690-694.	4.8	10
29	Thermodynamics and kinetics of thorium extraction from sulfuric acid medium by HEH(EHP). Hydrometallurgy, 2014, 150, 167-172.	4.3	8
30	Synthesis of hexaaluminate catalysts for methane combustion by reverse microemulsion medium. Science in China Series B: Chemistry, 2009, 52, 31-38.	0.8	7
31	Precipitation-dissolution behaviors of rare earth ions in H <sub>3</sub> PO <sub>4</sub> /Ca(H <sub>2</sub> PO <sub>4</sub> ) <sub>2</sub> solutions. Journal of Rare Earths, 2019, 37, 520-527.	4.8	7
32	Synthesis of La-hexaaluminate catalyst for methane combustion by a reverse SDS microemulsion. Rare Metals, 2011, 30, 337-342.	7.1	6
33	Process optimization of neodymium chloride solutions precipitated by magnesium bicarbonate. Journal of Rare Earths, 2019, 37, 437-442.	4.8	6