

Li-Jun Wang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Sb ₂ Se ₃ nanorods with N-doped reduced graphene oxide hybrids as high-capacity positive electrode materials for rechargeable aluminum batteries. <i>Nanoscale</i> , 2019, 11, 16437-16444.	5.6	38
2	Influence of oxide layer on hydrogen desorption from zirconium hydride. <i>Journal of Alloys and Compounds</i> , 2009, 469, 142-145.	5.5	37
3	Electrochemical behavior of zirconium in molten NaCl-KCl-K ₂ ZrF ₆ system. <i>Rare Metals</i> , 2011, 30, 8-13.	7.1	34
4	Adsorption and desorption properties for rhenium using a kind of weak-base anion resin. <i>Rare Metals</i> , 2018, 37, 707-715.	7.1	21
5	Equilibrium and kinetic data of adsorption and separation for zirconium and hafnium onto MIBK extraction resin. <i>Transactions of Nonferrous Metals Society of China</i> , 2010, 20, 1527-1533.	4.2	20
6	Solvent extraction of hafnium from thiocyanic acid medium in DIBK-TBP mixed system. <i>Transactions of Nonferrous Metals Society of China</i> , 2012, 22, 1760-1765.	4.2	17
7	Thermodynamic modelling of Y-H and Y-Zr-H system aided by first-principles and its application in bulk hydride moderator fabrication. <i>Journal of Nuclear Materials</i> , 2020, 531, 152035.	2.7	11
8	Hydrogen desorption behavior of the hydrides of Zr Y alloys under Ar and CO ₂ atmosphere. <i>Journal of Alloys and Compounds</i> , 2017, 693, 103-109.	5.5	10
9	Properties of hydrogen permeation barrier on the surface of zirconium hydride. <i>Rare Metals</i> , 2008, 27, 473-478.	7.1	8
10	Hydrogen permeation resistance and characterization of Si-Al and Si-Zr composite sol oxide coating on surface of zirconium hydride. <i>Rare Metals</i> , 2017, 36, 55-60.	7.1	8
11	Rechargeable High-Capacity Antimony-Aluminum Batteries. <i>Journal of the Electrochemical Society</i> , 2020, 167, 080541.	2.9	8
12	Solid solubility extension and microstructure evolution of cast zirconium yttrium alloy. <i>Rare Metals</i> , 2016, 35, 325-330.	7.1	7
13	Preparation and properties of composite hydrogen permeation barrier on ZrH _{1.8} by sol-gel technique. <i>Surface and Coatings Technology</i> , 2018, 352, 159-165.	4.8	6
14	Electrochemistry of Hf(IV) in NaCl-KCl-NaF-K ₂ HfF ₆ molten salts. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2020, 27, 1644-1649.	4.9	6
15	Thermodynamic properties of zirconium-oxygen solid solution and its deoxidation in calcium chloride molten salt. <i>Journal of Alloys and Compounds</i> , 2019, 810, 151964.	5.5	4
16	Advance in and prospect of moderator materials for space nuclear reactors. <i>International Journal of Energy Research</i> , 2021, 45, 11493-11509.	4.5	4
17	Hydrogen Permeation Behavior of Zirconium Nitride Film on Zirconium Hydride. <i>Materials</i> , 2022, 15, 550.	2.9	4
18	Electrolytic properties and element migration in Ni-TiB ₂ /Al ₂ O ₃ composite cathode. <i>Rare Metals</i> , 2021, 40, 57-64.	7.1	3

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19	Hydrogen permeation rate of coating zirconium hydride moderator—a prediction model. International Journal of Energy Research, 2021, 45, 14710-14719.	4.5	3
20	Preparation of Al–Hf master alloy by aluminothermic reduction of HfO ₂ . Rare Metals, 2021, 40, 3645-3650.	7.1	2
21	The Interaction Force between Scheelite and Scheelite/Fluorite/Calcite Measured Using Atomic Force Microscopy. Journal of Chemistry, 2020, 2020, 1-15.	1.9	1
22	Solid state deoxidation of zirconium-oxygen solid solution using a combination of metallic Ca and Y in CaCl ₂ flux. Journal of Alloys and Compounds, 2022, 919, 165809.	5.5	0