

Jianxun Song

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

520
citations

623734

14
h-index

713466

21
g-index

31
all docs

31
docs citations

31
times ranked

194
citing authors

#	ARTICLE	IF	CITATIONS
1	A new consumable anode material of titanium oxycarbonitride for the USTB titanium process. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 8086.	2.8	42
2	Electrochemical behaviors of Ti(III) in molten NaCl-KCl under various contents of fluoride. <i>Electrochimica Acta</i> , 2017, 256, 252-258.	5.2	40
3	The Equilibrium Between Titanium Ions and Titanium Metal in NaCl-KCl Equimolar Molten Salt. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2013, 44, 906-913.	2.1	35
4	The influence of fluoride ions on the equilibrium between titanium ions and titanium metal in fused alkali chloride melts. <i>Faraday Discussions</i> , 2016, 190, 421-432.	3.2	33
5	Electrochemical Behavior of Titanium Ions in Various Molten Alkali Chlorides. <i>Journal of the Electrochemical Society</i> , 2017, 164, E321-E325.	2.9	33
6	The Influence of Fluoride Anion on the Equilibrium between Titanium Ions and Electrodeposition of Titanium in Molten Fluoride–Chloride Salt. <i>Materials Transactions</i> , 2014, 55, 1299-1303.	1.2	31
7	A critical review on extraction and refining of vanadium metal. <i>International Journal of Refractory Metals and Hard Materials</i> , 2021, 101, 105696.	3.8	26
8	Sustainable recycling of titanium from TiO ₂ in spent SCR denitration catalyst via molten salt electrolysis. <i>Journal of Energy Chemistry</i> , 2021, 58, 557-563.	12.9	23
9	Electrochemical Behavior of Titanium(II) Ion in a Purified Calcium Chloride Melt. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2015, 46, 162-168.	2.1	22
10	The equilibrium between metallic titanium and titanium ions in LiCl–KCl melts. <i>Journal of Alloys and Compounds</i> , 2014, 587, 349-353.	5.5	20
11	The Equilibrium between Titanium Ions and Metallic Titanium in the Molten Binary Mixtures of LiCl. <i>Electrochemistry</i> , 2014, 82, 1047-1051.	1.4	20
12	Influence of F ^{&sup>} on the electrochemical properties of titanium ions and Al–Ti alloy electrodeposition in molten AlCl ₃ –NaCl. <i>RSC Advances</i> , 2016, 6, 82049-82056.	3.6	20
13	Electrochemical Behavior of Dy ₂ O ₃ on Molybdenum and Liquid Tin Electrodes in Molten CaCl ₂ . <i>Journal of the Electrochemical Society</i> , 2017, 164, D916-D921.	2.9	19
14	Electrochemical Behaviors of Ce(III) in Molten AlCl ₃ -NaCl under Various Contents of Fluoride. <i>Journal of the Electrochemical Society</i> , 2016, 163, D757-D763.	2.9	16
15	In Situ Monitoring of O ²⁺ Concentration in Molten NaCl-KCl at 750°C. <i>Journal of the Electrochemical Society</i> , 2018, 165, E245-E249.	2.9	16
16	Extraction of neodymium by direct reduction of NdOCl in molten calcium chloride. <i>Electrochimica Acta</i> , 2017, 257, 465-472.	5.2	14
17	Recycling of Spent Indium–Gallium–Zinc Oxide Based on Molten Salt Electrolysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 16296-16303.	6.7	14
18	Recovery and Reuse of Spent ITO Targets through Electrochemical Techniques. <i>Journal of the Electrochemical Society</i> , 2022, 169, 023507.	2.9	13

#	ARTICLE	IF	CITATIONS
19	Electrochemical Studies on the Redox Behavior of Zr(IV) in the LiCl-KCl Eutectic Molten Salt and Separation of Zr and Hf. Journal of the Electrochemical Society, 2020, 167, 023502.	2.9	12
20	Reviewâ€”Preparation of Zirconium Metal by Electrolysis. Journal of the Electrochemical Society, 2021, 168, 062508.	2.9	12
21	Equilibrium between Metallic Titanium and Titanium Ions in MgCl ₂ LiCl Molten Salt. Materials Transactions, 2019, 60, 374-378.	1.2	11
22	Electrochemical behavior of vanadium ions in molten LiCl-KCl. Journal of Electroanalytical Chemistry, 2021, 891, 115259.	3.8	11
23	Electrochemical behavior of niobium ions in molten KCl-NaCl. Journal of Materials Research and Technology, 2020, 9, 9341-9347.	5.8	10
24	Novel extraction of Zr based on an in-situ preparation of ZrC O. Separation and Purification Technology, 2021, 275, 118096.	7.9	7
25	In-situ synthesis of zirconium oxycarbide by electroreduction of ZrO ₂ /C in molten salt. Ceramics International, 2021, 47, 21459-21465.	4.8	7
26	Study on the electrochemical behavior of Mg and Al ions in LiCl-KCl melt and preparation of Mg-Al alloy. Journal of Magnesium and Alloys, 2020, , .	11.9	6
27	Liquid zinc assisted electro-extraction of molybdenum. Separation and Purification Technology, 2021, 279, 119651.	7.9	5
28	Synthesis and characterization of neodymium oxychloride. Journal of Materials Research and Technology, 2020, 9, 16378-16386.	5.8	2
29	Effect of Electrolytic Compositions in Kinetics Mechanism of High-Purity Titanium Electrochemical Extraction Process. , 2020, , .		0
30	Influence of nature of the fluoride ion on the electrochemical behaviors of Nb(V) in molten NaCl-KCl. Journal of Solid State Electrochemistry, 0, , 1.	2.5	0