

Zhixiong You

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4504992/publications.pdf>

Version: 2024-02-01

28
papers

419
citations

840776

11
h-index

752698

20
g-index

29
all docs

29
docs citations

29
times ranked

368
citing authors

#	ARTICLE	IF	CITATIONS
1	Manganese extraction by sulfur-based reduction roastingâ€“acid leaching from low-grade manganese oxide ores. Hydrometallurgy, 2013, 133, 126-132.	4.3	86
2	Extraction of manganese from iron rich MnO ₂ ores via selective sulfation roasting with SO ₂ followed by water leaching. Hydrometallurgy, 2015, 156, 225-231.	4.3	53
3	A Review on Recycling and Reutilization of Blast Furnace Dust as a Secondary Resource. Journal of Sustainable Metallurgy, 2021, 7, 340-357.	2.3	30
4	The mechanism on reducing manganese oxide ore with elemental sulfur. Powder Technology, 2018, 330, 310-316.	4.2	27
5	Thermal behavior and organic functional structure of poplar-fat coal blends during co-pyrolysis. Renewable Energy, 2019, 136, 308-316.	8.9	25
6	Segregation and Morphological Evolution of Si Phase during Electromagnetic Directional Solidification of Hypereutectic Al-Si Alloys. Materials, 2019, 12, 10.	2.9	25
7	Non-isothermal kinetics study on carbothermic reduction of nickel laterite ore. Powder Technology, 2018, 340, 495-501.	4.2	22
8	Kinetics study on non-isothermal carbothermic reduction of nickel laterite ore in presence of Na ₂ SO ₄ . Powder Technology, 2020, 362, 486-492.	4.2	18
9	Mechanism on reduction and nitridation of micrometerâ€“sized titania with ammonia gas. Journal of the American Ceramic Society, 2020, 103, 3905-3916.	3.8	18
10	Effect of Sodium Sulfate on Preparation of Ferronickel from Nickel Laterite by Carbothermal Reduction. ISIJ International, 2018, 58, 799-807.	1.4	16
11	Carbonization and nitridation of vanadiumâ€“bearing titanomagnetite during carbothermal reduction with coal. Journal of Materials Research and Technology, 2020, 9, 4272-4282.	5.8	15
12	Corrosion behavior of Al ₂ O ₃ substrate by SiO ₂ â€“MgOâ€“FeOâ€“CaOâ€“Al ₂ O ₃ slag. Journal of Materials Research and Technology, 2020, 9, 314-321.	5.8	12
13	A Novel Method of Smelting a Mixture of Two Types of Laterite Ore to Prepare Ferronickel. Jom, 2019, 71, 4191-4197.	1.9	11
14	Phase transformation and slag evolution of vanadiumâ€“titanium magnetite pellets during softeningâ€“melting process. Powder Technology, 2022, 396, 710-717.	4.2	11
15	The Effect of Titanium Carbonitride on the Viscosity of High-Titanium-Type Blast Furnace Slag. Metals, 2019, 9, 395.	2.3	10
16	Reduction and Nitridation of Iron/Vanadium Oxides by Ammonia Gas: Mechanism and Preparation of FeV45N Alloy. Metals, 2020, 10, 356.	2.3	8
17	Preparation of ferrochromium nitride via reduction and nitridation of chromite spinel with ammonia gas. Powder Technology, 2021, 386, 449-456.	4.2	6
18	Improving the property of calcium ferrite using a sonochemical method. Ultrasonics Sonochemistry, 2018, 43, 110-113.	8.2	5

#	ARTICLE	IF	CITATIONS
19	Phase, microstructure evolution, and periodic density functional theory study of reduction and nitridation of V ₂ O ₃ with clean ammonia gas. <i>Advanced Powder Technology</i> , 2022, 33, 103597.	4.1	4
20	Solidification of Calcium Ferrite Melt Using Ultrasonic Vibration: Effect and Mechanism. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2018, 49, 2658-2666.	2.1	3
21	Oxygen Potential of High-Titania Slag from the Smelting Process of Ilmenite. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2019, 50, 1841-1851.	2.1	3
22	Periodic DFT Study on the Adsorption and Deoxygenation Process of NH ₃ on V ₂ O ₅ (001) Surface. <i>Jom</i> , 2022, 74, 1870-1877.	1.9	3
23	Behavior of synchronous reduction and nitridation of iron/vanadium oxides with NH ₃ -H ₂ mixtures. <i>Journal of Materials Research and Technology</i> , 2021, 15, 5046-5046.	5.8	2
24	Novel Process of Reduction Roasting Manganese Ore with Sulfur Waste and Extraction of Mn by Acid Leaching. <i>Metals</i> , 2022, 12, 384.	2.3	2
25	Effects of operation parameters on particle mixing performance in a horizontal high shear mixer. <i>International Journal of Chemical Reactor Engineering</i> , 2022, 20, 1083-1094.	1.1	2
26	Reduction and Nitridation Behaviors of Ilmenite with Clean Ammonia Energy. <i>Journal of Sustainable Metallurgy</i> , 2022, 8, 1245-1256.	2.3	1
27	Novel approach to prepare Fe-TiN cermets from ilmenite concentrate using clean NH ₃ gas. <i>International Journal of Refractory Metals and Hard Materials</i> , 2022, 108, 105943.	3.8	1
28	Solidification Behavior of Calcium Ferrite Under Ultrasonic Vibration. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2018, 49, 3200-3210.	2.1	0