

# Zhixiong You

## List of Publications by Year in descending order

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28  
papers

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citations

840776

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Phase transformation and slag evolution of vanadium-titanium magnetite pellets during softening-melting process. <i>Powder Technology</i> , 2022, 396, 710-717.	4.2	11
2	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
3	Periodic DFT Study on the Adsorption and Deoxygenation Process of NH <sub>3</sub> on V <sub>2</sub> O <sub>5</sub> (001) Surface. <i>Jom</i> , 2022, 74, 1870-1877.	1.9	3
4	Phase, microstructure evolution, and periodic density functional theory study of reduction and nitridation of V <sub>2</sub> O <sub>3</sub> with clean ammonia gas. <i>Advanced Powder Technology</i> , 2022, 33, 103597.	4.1	4
5	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
6	Reduction and Nitridation Behaviors of Ilmenite with Clean Ammonia Energy. <i>Journal of Sustainable Metallurgy</i> , 2022, 8, 1245-1256.	2.3	1
7	Novel approach to prepare Fe-TiN cermets from ilmenite concentrate using clean NH <sub>3</sub> gas. <i>International Journal of Refractory Metals and Hard Materials</i> , 2022, 108, 105943.	3.8	1
8	A Review on Recycling and Reutilization of Blast Furnace Dust as a Secondary Resource. <i>Journal of Sustainable Metallurgy</i> , 2021, 7, 340-357.	2.3	30
9	Preparation of ferrochromium nitride via reduction and nitridation of chromite spinel with ammonia gas. <i>Powder Technology</i> , 2021, 386, 449-456.	4.2	6
10	Behavior of synchronous reduction and nitridation of iron/vanadium oxides with NH <sub>3</sub> -H <sub>2</sub> mixtures. <i>Journal of Materials Research and Technology</i> , 2021, 15, 5046-5046.	5.8	2
11	Corrosion behavior of Al <sub>2</sub> O <sub>3</sub> substrate by SiO <sub>2</sub> -MgO-FeO-CaO-Al <sub>2</sub> O <sub>3</sub> slag. <i>Journal of Materials Research and Technology</i> , 2020, 9, 314-321.	5.8	12
12	Kinetics study on non-isothermal carbothermic reduction of nickel laterite ore in presence of Na <sub>2</sub> SO <sub>4</sub> . <i>Powder Technology</i> , 2020, 362, 486-492.	4.2	18
13	Mechanism on reduction and nitridation of micrometer-sized titania with ammonia gas. <i>Journal of the American Ceramic Society</i> , 2020, 103, 3905-3916.	3.8	18
14	Carbonization and nitridation of vanadium-bearing titanomagnetite during carbothermal reduction with coal. <i>Journal of Materials Research and Technology</i> , 2020, 9, 4272-4282.	5.8	15
15	Reduction and Nitridation of Iron/Vanadium Oxides by Ammonia Gas: Mechanism and Preparation of FeV <sub>4</sub> 5N Alloy. <i>Metals</i> , 2020, 10, 356.	2.3	8
16	A Novel Method of Smelting a Mixture of Two Types of Laterite Ore to Prepare Ferronickel. <i>Jom</i> , 2019, 71, 4191-4197.	1.9	11
17	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
18	The Effect of Titanium Carbonitride on the Viscosity of High-Titanium-Type Blast Furnace Slag. <i>Metals</i> , 2019, 9, 395.	2.3	10

#	ARTICLE	IF	CITATIONS
19	Thermal behavior and organic functional structure of poplar-fat coal blends during co-pyrolysis. <i>Renewable Energy</i> , 2019, 136, 308-316.	8.9	25
20	Segregation and Morphological Evolution of Si Phase during Electromagnetic Directional Solidification of Hypereutectic Al-Si Alloys. <i>Materials</i> , 2019, 12, 10.	2.9	25
21	The mechanism on reducing manganese oxide ore with elemental sulfur. <i>Powder Technology</i> , 2018, 330, 310-316.	4.2	27
22	Improving the property of calcium ferrite using a sonochemical method. <i>Ultrasonics Sonochemistry</i> , 2018, 43, 110-113.	8.2	5
23	Non-isothermal kinetics study on carbothermic reduction of nickel laterite ore. <i>Powder Technology</i> , 2018, 340, 495-501.	4.2	22
24	Effect of Sodium Sulfate on Preparation of Ferronickel from Nickel Laterite by Carbothermal Reduction. <i>ISIJ International</i> , 2018, 58, 799-807.	1.4	16
25	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
26	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
27	Extraction of manganese from iron rich MnO <sub>2</sub> ores via selective sulfation roasting with SO <sub>2</sub> followed by water leaching. <i>Hydrometallurgy</i> , 2015, 156, 225-231.	4.3	53
28	Manganese extraction by sulfur-based reduction roasting followed by acid leaching from low-grade manganese oxide ores. <i>Hydrometallurgy</i> , 2013, 133, 126-132.	4.3	86