

# Wei Lv

## List of Publications by Year in descending order

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papers

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687363

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#	ARTICLE	IF	CITATIONS
1	Recovery of Titania Slag and Iron from Semi-molten State Reduced Ilmenite Concentrate: Liberation Characteristics and Magnetic Separation. <i>Journal of Sustainable Metallurgy</i> , 2022, 8, 228-238.	2.3	4
2	A Novel Process for Preparing High-Strength Pellets of Ilmenite Concentrate. <i>Journal of Sustainable Metallurgy</i> , 2022, 8, 551-565.	2.3	4
3	Effect of CO <sub>2</sub> Gasification on High-Temperature Characteristics of Iron Coke: In-Situ Compressive Strength. <i>Steel Research International</i> , 2022, 93, .	1.8	2
4	Investigation of the Hydrogen-Rich Reduction of Panzihua Ilmenite Concentrate Pellets. <i>Journal of Sustainable Metallurgy</i> , 2022, 8, 1130-1139.	2.3	5
5	Drying Kinetics of a Philippine Nickel Laterite Ore by Microwave Heating. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2021, 42, 46-52.	5.0	11
6	High-Titanium Slag Preparation Process by Carbothermic Reduction of Ilmenite and Wet-Magnetic Separation. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2021, 52, 351-362.	2.1	8
7	Isothermal kinetics of carbothermic reduction of ilmenite concentrate with the addition of sodium carbonate. <i>Powder Technology</i> , 2021, 392, 14-22.	4.2	13
8	Preparation of synthetic rutile from reduced ilmenite through the aeration leaching process. <i>Chemical Engineering and Processing: Process Intensification</i> , 2020, 147, 107774.	3.6	14
9	Influence of Ferrous Sulfide on Carbothermic Reduction of Panzihua Ilmenite Concentrate. <i>Jom</i> , 2020, 72, 3393-3400.	1.9	4
10	Recovery of high purity Si from kerf-loss Si slurry waste by flotation method using PEA collector. <i>Waste Management</i> , 2020, 115, 1-7.	7.4	19
11	Effect of TiO <sub>2</sub> on reduction behavior of Cr <sub>2</sub> O <sub>3</sub> in CaO-SiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> -MgO-TiO <sub>2</sub> -Cr <sub>2</sub> O <sub>3</sub> by carbon from Fe-C melt. <i>Journal of Iron and Steel Research International</i> , 2020, 27, 1145-1152.	2.8	3
12	Generation of titania-rich slag and iron from ilmenite concentrate by carbothermic reduction and magnetic separation in the presence of Na <sub>2</sub> CO <sub>3</sub> . <i>Canadian Metallurgical Quarterly</i> , 2020, 59, 393-404.	1.2	6
13	Electric Conductivity of TiO <sub>2</sub> -Ti <sub>2</sub> O <sub>3</sub> -FeO-CaO-SiO <sub>2</sub> -MgO-Al <sub>2</sub> O <sub>3</sub> for High-Titania Slag Smelting Process. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2019, 50, 2982-2992.	2.1	14
14	Effect of preoxidation on the reduction of ilmenite concentrate powder by hydrogen. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 4031-4040.	7.1	28
15	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
16	High-temperature heat capacity and phase transformation kinetics of NaVO <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , 2019, 794, 465-472.	5.5	24
17	A Multi-step Process for the Cleaner Utilization of Vanadium-Bearing Converter Slag. <i>Minerals, Metals and Materials Series</i> , 2019, , 21-30.	0.4	1
18	The isothermal reduction kinetics of chromium-bearing vanadium-titanium magnetite sinter. <i>Canadian Metallurgical Quarterly</i> , 2019, 58, 177-186.	1.2	3

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19	Non-isothermal kinetic studies on the carbothermic reduction of Panzhihua ilmenite concentrate. <i>Mineral Processing and Extractive Metallurgy: Transactions of the Institute of Mining and Metallurgy</i> , 2019, 128, 239-247.	0.2	3
20	Analysis of Microwave Drying Behavior of Nickel Laterite. <i>Minerals, Metals and Materials Series</i> , 2018, , 691-699.	0.4	0
21	Effects of Pre-oxidation on the Kinetics of Iron Leaching from Ilmenite in Hydrochloric Acid Solution. <i>Minerals, Metals and Materials Series</i> , 2018, , 301-307.	0.4	1
22	Drying kinetics of Philippine nickel laterite by microwave heating. <i>Drying Technology</i> , 2018, 36, 849-858.	3.1	10
23	Non-isothermal kinetics study on carbothermic reduction of nickel laterite ore. <i>Powder Technology</i> , 2018, 340, 495-501.	4.2	22
24	Mineralogical characterisation and magnetic separation of vanadium-bearing converter slag. <i>Waste Management and Research</i> , 2018, 36, 1083-1091.	3.9	6
25	Carbothermic reduction of ilmenite concentrate in semi-molten state by adding sodium sulfate. <i>Powder Technology</i> , 2018, 340, 354-361.	4.2	39
26	Effect of karronite on the gaseous reduction of pseudobrookite-karronite powder under a CO-Ar atmosphere. <i>Powder Technology</i> , 2018, 340, 511-519.	4.2	4
27	Viscosity of TiO <sub>2</sub> -FeO-Ti <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> -MgO-CaO-Al <sub>2</sub> O <sub>3</sub> for High-Titania Slag Smelting Process. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2018, 49, 1963-1973.	2.1	26
28	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
29	Recovery of tailings from the vanadium extraction process by carbothermic reduction method: Thermodynamic, experimental and hazardous potential assessment. <i>Journal of Hazardous Materials</i> , 2018, 357, 128-137.	12.4	32
30	Preparing high-strength titanium pellets for ironmaking as furnace protector: Optimum route for ilmenite oxidation and consolidation. <i>Powder Technology</i> , 2018, 333, 385-393.	4.2	31
31	Co-recovery of iron, chromium, and vanadium from vanadium tailings by semi-molten reduction magnetic separation process. <i>Canadian Metallurgical Quarterly</i> , 2018, 57, 262-273.	1.2	13
32	Thermogravimetric Analysis and Kinetic Study of the Calcification Roasting of Vanadium Slag. <i>Minerals, Metals and Materials Series</i> , 2018, , 663-671.	0.4	1
33	Application of Sharp Analysis on Reduction Kinetics of Vanadium Titanium Magnetite Sintering Ore. <i>Minerals, Metals and Materials Series</i> , 2017, , 523-529.	0.4	0
34	Dependence of Ti <sub>2</sub> O <sub>3</sub> and Temperature on Electrical Conductivity of TiO <sub>2</sub> -FeO-Ti <sub>2</sub> O <sub>3</sub> Slags. <i>Minerals, Metals and Materials Series</i> , 2017, , 335-341.	0.4	0
35	Effects of Pre-oxidation and Additive on Carbothermic Reduction of Ilmenite Concentrate. <i>Minerals, Metals and Materials Series</i> , 2017, , 703-712.	0.4	0
36	A novel process to prepare high-titanium slag by carbothermic reduction of pre-oxidized ilmenite concentrate with the addition of Na <sub>2</sub> SO <sub>4</sub> . <i>International Journal of Mineral Processing</i> , 2017, 167, 68-78.	2.6	31

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37	Isothermal oxidation kinetics of ilmenite concentrate powder from Panzhihua in air. Powder Technology, 2017, 320, 239-248.	4.2	35
38	Effect of pre-oxidation on the carbothermic reduction of ilmenite concentrate powder. International Journal of Mineral Processing, 2017, 169, 176-184.	2.6	21
39	Oxidation kinetics of ilmenite concentrate by non-isothermal thermogravimetric analysis. Journal of Iron and Steel Research International, 2017, 24, 678-684.	2.8	14
40	Neutravidin-Mediated Extraction of Isolated Small Diameter Single Walled Carbon Nanotubes for Bio-Recognition. Journal of Nanoscience and Nanotechnology, 2017, 17, 3588-3596.	0.9	1
41	Semi-Molten State Reduction Behavior of Panzhihua Ilmenite Concentrate with Additive. , 2017, , .		0
42	Contact Angle of Iron Ore Particles with Water: Measurements and Influencing Factors. Minerals, Metals and Materials Series, 2017, , 321-328.	0.4	1
43	Effect of pre-oxidation degree on gaseous reduction of pre-oxidized ilmenite concentrate by CO. Journal of Iron and Steel Research International, 0, , 1.	2.8	5
44	Effect of the addition amount of iron carbon agglomerates on the isothermal reduction kinetics of pelletsâ€“iron carbon agglomerates mixture. Ironmaking and Steelmaking, 0, , 1-16.	2.1	4
45	Characterisation of titania slag produced by a novel process: acidolysis performance. Canadian Metallurgical Quarterly, 0, , 1-10.	1.2	0