# Wei Lv

List of Publications by Year
in descending order

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| 45 | 482 | 687363 13 | 752698 20 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 47 | 47 | 47 | 257 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Carbothermic reduction of ilmenite concentrate in semi-molten state by adding sodium sulfate. Powder Technology, 2018, 340, 354-361. | 4.2 | 39 |
| 2 | Isothermal oxidation kinetics of ilmenite concentrate powder from Panzhihua in air. Powder Technology, 2017, 320, 239-248. | 4.2 | 35 |
| 3 | Recovery of tailings from the vanadium extraction process by carbothermic reduction method: Thermodynamic, experimental and hazardous potential assessment. Journal of Hazardous Materials, 2018, 357, 128-137. | 12.4 | 32 |
| 4 | A novel process to prepare high-titanium slag by carbothermic reduction of pre-oxidized ilmenite concentrate with the addition of Na 2 SO 4. International Journal of Mineral Processing, 2017, 167, 68-78. | 2.6 | 31 |
| 5 | Preparing high-strength titanium pellets for ironmaking as furnace protector: Optimum route for ilmenite oxidation and consolidation. Powder Technology, 2018, 333, 385-393. | 4.2 | 31 |
| 6 | Effect of preoxidation on the reduction of ilmenite concentrate powder by hydrogen. International Journal of Hydrogen Energy, 2019, 44, 4031-4040. | 7.1 | 28 |
| 7 | Viscosity of TiO2-FeO-Ti2O3-SiO2-MgO-CaO-Al2O3 for High-Titania Slag Smelting Process. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2018, 49, 1963-1973. | 2.1 | 26 |
| 8 | High-temperature heat capacity and phase transformation kinetics of NaVO3. Journal of Alloys and Compounds, 2019, 794, 465-472. | 5.5 | 24 |
| 9 | Non-isothermal kinetics study on carbothermic reduction of nickel laterite ore. Powder Technology, 2018, 340, 495-501. | 4.2 | 22 |
| 10 | Effect of pre-oxidation on the carbothermic reduction of ilmenite concentrate powder. International Journal of Mineral Processing, 2017, 169, 176-184. | 2.6 | 21 |
| 11 | Recovery of high purity Si from kerf-loss Si slurry waste by flotation method using PEA collector. Waste Management, 2020, 115, 1-7. | 7.4 | 19 |
| 12 | Effect of Sodium Sulfate on Preparation of Ferronickel from Nickel Laterite by Carbothermal Reduction. ISIJ International, 2018, 58, 799-807. | 1.4 | 16 |
| 13 | Oxidation kinetics of ilmenite concentrate by non-isothermal thermogravimetric analysis. Journal of Iron and Steel Research International, 2017, 24, 678-684. | 2.8 | 14 |
| 14 | Electric Conductivity of TiO2-Ti2O3-FeO-CaO-SiO2-MgO-Al2O3 for High-Titania Slag Smelting Process. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2019, 50, 2982-2992. | 2.1 | 14 |
| 15 | Preparation of synthetic rutile from reduced ilmenite through the aeration leaching process. Chemical Engineering and Processing: Process Intensification, 2020, 147, 107774. | 3.6 | 14 |
| 16 | Co-recovery of iron, chromium, and vanadium from vanadium tailings by semi-molten reductionâ€“magnetic separation process. Canadian Metallurgical Quarterly, 2018, 57, 262-273. | 1.2 | 13 |
| 17 | Isothermal kinetics of carbothermic reduction of ilmenite concentrate with the addition of sodium carbonate. Powder Technology, 2021, 392, 14-22. | 4.2 | 13 |
| 18 | Drying Kinetics of a Philippine Nickel Laterite Ore by Microwave Heating. Mineral Processing and Extractive Metallurgy Review, 2021, 42, 46-52. | 5.0 | 11 |

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|---|---|---|---|
| 19 | Drying kinetics of Philippine nickel laterite by microwave heating. Drying Technology, 2018, 36, 849-858. | 3.1 | 10 |
| 20 | High-Titanium Slag Preparation Process by Carbothermic Reduction of Ilmenite and Wet-Magnetic Separation. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2021, 52, 351-362. | 2.1 | 8 |
| 21 | Mineralogical characterisation and magnetic separation of vanadium-bearing converter slag. Waste Management and Research, 2018, 36, 1083-1091. | 3.9 | 6 |
| 22 | Generation of titania-rich slag and iron from ilmenite concentrate by carbothermic reduction and magnetic separation in the presence of Na2CO3. Canadian Metallurgical Quarterly, 2020, 59, 393-404. | 1.2 | 6 |
| 23 | 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 |
| 24 | Investigation of the Hydrogen-Rich Reduction of Panzhihua Ilmenite Concentrate Pellets. Journal of Sustainable Metallurgy, 2022, 8, 1130-1139. | 2.3 | 5 |
| 25 | Effect of karrooite on the gaseous reduction of pseudobrookite-karrooite powder under a CO-Ar atmosphere. Powder Technology, 2018, 340, 511-519. | 4.2 | 4 |
| 26 | Influence of Ferrous Sulfide on Carbothermic Reduction of Panzhihua Ilmenite Concentrate. Jom, 2020, 72, 3393-3400. | 1.9 | 4 |
| 27 | 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 |
| 28 | Recovery of Titania Slag and Iron from Semi-molten State Reduced Ilmenite Concentrate: Liberation Characteristics and Magnetic Separation. Journal of Sustainable Metallurgy, 2022, 8, 228-238. | 2.3 | 4 |
| 29 | A Novel Process for Preparing High-Strength Pellets of Ilmenite Concentrate. Journal of Sustainable Metallurgy, 2022, 8, 551-565. | 2.3 | 4 |
| 30 | Oxygen Potential of High-Titania Slag from the Smelting Process of Ilmenite. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2019, 50, 1841-1851. | 2.1 | 3 |
| 31 | The isothermal reduction kinetics of chromium-bearing vanadiumâ€“titanium magnetite sinter. Canadian Metallurgical Quarterly, 2019, 58, 177-186. | 1.2 | 3 |
| 32 | Non-isothermal kinetic studies on the carbothermic reduction of Panzhihua ilmenite concentrate. Mineral Processing and Extractive Metallurgy: Transactions of the Institute of Mining and Metallurgy, 2019, 128, 239-247. | 0.2 | 3 |
| 33 | Effect of TiO2 on reduction behavior of Cr2O3 in CaOâ€“SiO2â€“Al2O3â€“MgOâ€“TiO2â€“Cr2O3 by carbon from Feâ€“C melt. Journal of Iron and Steel Research International, 2020, 27, 1145-1152. | 2.8 | 3 |
| 34 | Effect of CO<sub>2</sub> Gasification on Highâ€Temperature Characteristics of Iron Coke: Inâ€‰Situ Compressive Strength. Steel Research International, 2022, 93, . | 1.8 | 2 |
| 35 | 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 |
| 36 | Effects of Pre-oxidation on the Kinetics of Iron Leaching from Ilmenite in Hydrochloric Acid Solution. Minerals, Metals and Materials Series, 2018, , 301-307. | 0.4 | 1 |

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|---|---|---|---|
| 37 | A Multi-step Process for the Cleaner Utilization of Vanadium-Bearing Converter Slag. Minerals, Metals and Materials Series, 2019, , 21-30. | 0.4 | 1 |
| 38 | Contact Angle of Iron Ore Particles with Water: Measurements and Influencing Factors. Minerals, Metals and Materials Series, 2017, , 321-328. | 0.4 | 1 |
| 39 | Thermogravimetric Analysis and Kinetic Study of the Calcification Roasting of Vanadium Slag. Minerals, Metals and Materials Series, 2018, , 663-671. | 0.4 | 1 |
| 40 | Application of Sharp Analysis on Reduction Kinetics of Vanadium Titanium Magnetite Sintering Ore. Minerals, Metals and Materials Series, 2017, , 523-529. | 0.4 | 0 |
| 41 | Dependence of Ti2O3 and Temperature on Electrical Conductivity of TiO2â€“FeOâ€“Ti2O3 Slags. Minerals, Metals and Materials Series, 2017, , 335-341. | 0.4 | 0 |
| 42 | Effects of Pre-oxidation and Additive on Carbothermic Reduction of Ilmenite Concentrate. Minerals, Metals and Materials Series, 2017, , 703-712. | 0.4 | 0 |
| 43 | Analysis of Microwave Drying Behavior of Nickel Laterite. Minerals, Metals and Materials Series, 2018, , 691-699. | 0.4 | 0 |
| 44 | Semi-Molten State Reduction Behavior of Panzhihua Ilmenite Concentrate with Additive. , 2017, , . | | 0 |
| 45 | Characterisation of titania slag produced by a novel process: acidolysis performance. Canadian Metallurgical Quarterly, 0, , 1-10. | 1.2 | 0 |