

Mei Zhang

List of Publications by Year in descending order

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130
papers

2,705
citations

201385

27
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264894

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131
all docs

131
docs citations

131
times ranked

2789
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrothermal synthesis and structure evolution of metal-doped magnesium ferrite from saprolite laterite. RSC Advances, 2015, 5, 92778-92787.	1.7	104
2	Hydrothermal preparation and optical properties of orientation-controlled WO ₃ nanorod arrays on ITO substrates. CrystEngComm, 2013, 15, 277-284.	1.3	96
3	Effect of P ₂ O ₅ and FeO on the Viscosity and Slag Structure in Steelmaking Slags. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2015, 46, 758-765.	1.0	81
4	Preparation and properties of a nano TiO ₂ /Fe ₃ O ₄ composite superparamagnetic photocatalyst. Rare Metals, 2009, 28, 423-427.	3.6	78
5	Viscosities Behavior of CaO-SiO ₂ -MgO-Al ₂ O ₃ Slag With Low Mass Ratio of CaO to SiO ₂ and Wide Range of Al ₂ O ₃ Content. Journal of Iron and Steel Research International, 2011, 18, 1-6.	1.4	75
6	Bifunctional aligned hexagonal/amorphous tungsten oxide core/shell nanorod arrays with enhanced electrochromic and pseudocapacitive performance. Journal of Materials Chemistry A, 2019, 7, 16867-16875.	5.2	68
7	Extraction of molybdenum and vanadium from the spent diesel exhaust catalyst by ammonia leaching method. Journal of Hazardous Materials, 2015, 286, 402-409.	6.5	65
8	Effect of Al ₂ O ₃ on the Viscosity and Structure of CaO-SiO ₂ -MgO-Al ₂ O ₃ -FeO Slags. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2015, 46, 537-541.	1.0	65
9	A Novel Deep-Eutectic Solvent with Strong Coordination Ability and Low Viscosity for Efficient Extraction of Valuable Metals from Spent Lithium-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2022, 10, 975-985.	3.2	65
10	Hydrothermal preparation and photoelectrochemical performance of size-controlled SnO ₂ nanorod arrays. CrystEngComm, 2010, 12, 4024.	1.3	59
11	Feasible conversion of solid waste bauxite tailings into highly crystalline 4A zeolite with valuable application. Waste Management, 2014, 34, 2365-2372.	3.7	59
12	The Influence of SiO ₂ on the Extraction of Ti Element from Ti-bearing Blast Furnace Slag. Steel Research International, 2011, 82, 607-614.	1.0	55
13	Hydrothermal preparation of WO ₃ nanorod array and ZnO nanosheet array composite structures on FTO substrates with enhanced photocatalytic properties. Journal of Materials Chemistry C, 2015, 3, 7612-7620.	2.7	45
14	A simple hydrothermal synthesis of zeolite X from bauxite tailings for highly efficient adsorbing CO ₂ at room temperature. Microporous and Mesoporous Materials, 2019, 287, 77-84.	2.2	44
15	Utilization of mineral wool waste and waste glass for synthesis of foam glass at low temperature. Construction and Building Materials, 2019, 215, 623-632.	3.2	44
16	Low-Temperature Highly Efficient and Selective Removal of H ₂ S over Three-Dimensional Zn-Cu-Based Materials in an Anaerobic Environment. Environmental Science & Technology, 2020, 54, 5964-5972.	4.6	42
17	Hydrothermal growth of well-aligned TiO ₂ nanorod arrays: Dependence of morphology upon hydrothermal reaction conditions. Rare Metals, 2010, 29, 286-291.	3.6	40
18	Enrichment Mechanism of Phosphate in CaO-SiO ₂ -FeO-Fe ₂ O ₃ -P ₂ O ₅ Steelmaking Slags. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2014, 45, 1666-1682.	1.0	38

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19	Effects of morphology, size and crystallinity on the electrochromic properties of nanostructured WO ₃ films. <i>CrystEngComm</i> , 2015, 17, 5440-5450.	1.3	38
20	Synthesis, structure and magnetic properties of spinel ferrite (Ni, Cu, Co)Fe ₂ O ₄ from low nickel matte. <i>Ceramics International</i> , 2017, 43, 16474-16481.	2.3	38
21	Hydrothermal Synthesis and Characterization of K ^x Na ^(1-x) NbO ₃ Powders. <i>International Journal of Applied Ceramic Technology</i> , 2007, 4, 571-577.	1.1	36
22	Facile synthesis of metal-doped magnesium ferrite from saprolite laterite as an effective heterogeneous Fenton-like catalyst. <i>Journal of Molecular Liquids</i> , 2018, 272, 43-52.	2.3	34
23	Selective Crystallization Behavior of CaO-SiO ₂ -Al ₂ O ₃ -MgO-Fe ₂ O ₃ -P ₂ O ₅ Steelmaking Slags Modified through P ₂ O ₅ and Al ₂ O ₃ . <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2015, 46, 2246-2254.	1.0	33
24	Crystallization kinetics of glass-ceramics prepared from high-carbon ferrochromium slag. <i>Ceramics International</i> , 2016, 42, 19329-19335.	2.3	33
25	High-performance electrochromo-supercapacitors based on the synergetic effect between aqueous Al ³⁺ and ordered hexagonal tungsten oxide nanorod arrays. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9927-9938.	5.2	33
26	Synthesis of oriented core/shell hexagonal tungsten oxide/amorphous titanium dioxide nanorod arrays and its electrochromic-pseudocapacitive properties. <i>Applied Surface Science</i> , 2020, 515, 146034.	3.1	33
27	Effect of substrate pre-treatment on controllable synthesis of hexagonal WO ₃ nanorod arrays and their electrochromic properties. <i>CrystEngComm</i> , 2013, 15, 5828.	1.3	32
28	Synthesis of an alumina enriched Al ₂ O ₃ -SiO ₂ aerogel: Reinforcement and ambient pressure drying. <i>Journal of Non-Crystalline Solids</i> , 2017, 471, 160-168.	1.5	31
29	Synthesis, structure and magnetic properties of Zn substituted Ni-Co-Mn-Mg ferrites. <i>Materials Letters</i> , 2015, 141, 122-124.	1.3	29
30	Investigation on Viscosity and Nonisothermal Crystallization Behavior of P-Bearing Steelmaking Slags with Varying TiO ₂ Content. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2017, 48, 527-537.	1.0	28
31	Titanium mesh supported TiO ₂ nanowire arrays/Nb-doped TiO ₂ nanoparticles for fully flexible dye-sensitized solar cells with improved photovoltaic properties. <i>Journal of Materials Chemistry C</i> , 2016, 4, 11118-11128.	2.7	27
32	Preparation of monolithic silica-based aerogels with high thermal stability by ambient pressure drying. <i>Ceramics International</i> , 2018, 44, 11923-11931.	2.3	27
33	New Bifunctional Deep-Eutectic Solvent for In Situ Selective Extraction of Valuable Metals from Spent Lithium Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 8423-8432.	3.2	27
34	Hydrothermal synthesis of mixtures of NaA zeolite and sodalite from Ti-bearing electric arc furnace slag. <i>RSC Advances</i> , 2016, 6, 8358-8366.	1.7	26
35	Multiple copper adsorption and regeneration by zeolite 4A synthesized from bauxite tailings. <i>Environmental Science and Pollution Research</i> , 2017, 24, 21829-21835.	2.7	25
36	Facile and large-scale fabrication of (Mg,Ni)(Fe,Al) ₂ O ₄ heterogeneous photo-Fenton-like catalyst from saprolite laterite ore for effective removal of organic contaminants. <i>Journal of Hazardous Materials</i> , 2020, 392, 122295.	6.5	25

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37	A review of NiO-based electrochromic-energy storage bifunctional material and integrated device. <i>Journal of Energy Storage</i> , 2022, 47, 103597.	3.9	25
38	Preparation and visible-light photocatalytic property of nanostructured Fe-doped TiO ₂ from titanium containing electric furnace molten slag. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2013, 20, 1012-1020.	2.4	24
39	Low-temperature-controlled synthesis and growth mechanism of AlN whiskers. <i>Materials Research Innovations</i> , 2015, 19, S2-108-S2-112.	1.0	24
40	Effect of PbI ₂ solution on air-preparation of perovskite solar cells for enhanced performance. <i>Applied Surface Science</i> , 2018, 458, 172-182.	3.1	24
41	Synthesis and characterization of glass-ceramics prepared from high-carbon ferrochromium slag. <i>RSC Advances</i> , 2016, 6, 52715-52723.	1.7	23
42	Effects of preparing conditions on controllable one-step electrodeposition of ZnO nanotube arrays. <i>Electrochimica Acta</i> , 2014, 132, 370-376.	2.6	22
43	A novel hydrothermal method for zinc extraction and separation from zinc ferrite and electric arc furnace dust. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2016, 23, 146-155.	2.4	22
44	Structural Investigation of Phosphorus in CaO-SiO ₂ -P ₂ O ₅ Ternary Glass. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2017, 48, 1139-1148.	1.0	21
45	Efficient and selective recovery of Ni, Cu, and Co from low-nickel matte via a hydrometallurgical process. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2017, 24, 249-256.	2.4	21
46	Zeolite X Adsorbent with High Stability Synthesized from Bauxite Tailings for Cyclic Adsorption of CO ₂ . <i>Energy & Fuels</i> , 2019, 33, 6641-6649.	2.5	21
47	Effect of substrate pre-treatment on microstructure and enhanced electrochromic properties of WO ₃ nanorod arrays. <i>RSC Advances</i> , 2015, 5, 106182-106190.	1.7	20
48	Influence of acid type and concentration on the synthesis of nanostructured titanium dioxide photocatalysts from titanium-bearing electric arc furnace molten slag. <i>RSC Advances</i> , 2015, 5, 13478-13487.	1.7	20
49	A novel heterostructure of oriented core/shell tungsten oxide nanorod arrays for electrochromo-pseudocapacitor. <i>Scripta Materialia</i> , 2020, 174, 1-5.	2.6	20
50	Synthesis of SiO ₂ -Al ₂ O ₃ composite aerogel from fly ash: a low-cost and facile approach. <i>Journal of Sol-Gel Science and Technology</i> , 2020, 93, 281-290.	1.1	20
51	Hydrothermal synthesis of Ni-Co-Cu alloy nanoparticles from low nickel matte. <i>Journal of Alloys and Compounds</i> , 2018, 766, 229-240.	2.8	19
52	Lead-less mesoscopic perovskite solar cells with enhanced photovoltaic performance by strontium chloride substitution. <i>Ceramics International</i> , 2018, 44, 18863-18870.	2.3	19
53	Controllable preparation of CaF ₂ transparent glass ceramics: Dependence of the light transmittance mechanism on the glass crystallization behaviour. <i>Ceramics International</i> , 2019, 45, 8510-8517.	2.3	19
54	Preparation of transparent Mn-doped CaF ₂ glass-ceramics from silicon-manganese slag: Dependence of colour-controllable change on slag addition and crystallization behavior. <i>Journal of the European Ceramic Society</i> , 2020, 40, 3249-3261.	2.8	19

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55	Recovery of metal-doped zinc ferrite from zinc-containing electric arc furnace dust: Process development and examination of elemental migration. <i>Hydrometallurgy</i> , 2016, 166, 1-8.	1.8	18
56	Low-Temperature Preparation of $K_xNa_{(1-x)}NbO_3$ Lead-Free Piezoelectric Powders by Microwave-Hydrothermal Synthesis. <i>International Journal of Applied Ceramic Technology</i> , 2011, 8, 591-596.	1.1	17
57	An improved implementable process for the synthesis of zeolite 4A from bauxite tailings and its Cr^{3+} removal capacity. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2016, 23, 850-857.	2.4	17
58	Hydrothermal temperature effect on microstructure evolution and Fenton-like catalytic performance of spinel ferrite $(Mg,Ni)(Fe,Al)_2O_4$ synthesized from saprolitic nickel laterite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 568, 11-19.	2.3	17
59	Research progress in lead-less or lead-free three-dimensional perovskite absorber materials for solar cells. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2019, 26, 387-403.	2.4	17
60	Repairable electrochromic energy storage devices: A durable material with balanced performance based on titanium dioxide/tungsten trioxide nanorod array composite structure. <i>Chemical Engineering Journal</i> , 2022, 430, 132821.	6.6	17
61	Inexpensive metal oxides nanoparticles doped Na_2CO_3 fibers for highly selective capturing trace HCl from HCl/ CO_2 mixture gas at low temperature. <i>Chemical Engineering Journal</i> , 2018, 352, 634-643.	6.6	16
62	Thermal oxidation of SiAlON powders synthesized from coal gangue. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2011, 18, 77-82.	2.4	15
63	Extraction and separation of nickel and cobalt from saprolite laterite ore by microwave-assisted hydrothermal leaching and chemical deposition. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2013, 20, 612-619.	2.4	15
64	Direct fabrication and characterization of metal doped magnesium ferrites from treated laterite ores by the solid state reaction method. <i>Ceramics International</i> , 2015, 41, 8155-8162.	2.3	15
65	Efficient and selective hydrothermal extraction of zinc from zinc-containing electric arc furnace dust using a novel bifunctional agent. <i>Hydrometallurgy</i> , 2016, 166, 107-112.	1.8	15
66	Utilization of Zn-containing electric arc furnace dust for multi-metal doped ferrite with enhanced magnetic property: From hazardous solid waste to green product. <i>Journal of Hazardous Materials</i> , 2017, 339, 248-255.	6.5	15
67	The effect of Sr^{2+} substitution on perovskite film formation and its photovoltaic properties via two different deposition methods. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1354-1364.	3.0	15
68	Enhanced HCl removal from CO_2 -rich mixture gases by CuO_x/Na_2CO_3 porous sorbent at low temperature: Kinetics and forecasting. <i>Chemical Engineering Journal</i> , 2020, 381, 122738.	6.6	15
69	Selective and Efficient Extraction of Zinc from Mixed Sulfide oxide Zinc and Lead Ore. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2016, 37, 418-426.	2.6	14
70	Self-assembled multifunctional bulk hollow microspheres: Thermal insulation, sound absorption and fire resistance. <i>Energy and Buildings</i> , 2019, 205, 109533.	3.1	14
71	Enhanced heterogeneous Fenton-like degradation of refractory organic contaminants over Cu doped $(Mg,Ni)(Fe,Al)_2O_4$ synthesized from laterite nickel ore. <i>Journal of Environmental Management</i> , 2021, 283, 111941.	3.8	14
72	An efficient and low-cost magnetic heterogenous Fenton-like catalyst for degrading antibiotics in wastewater: Mechanism, pathway and stability. <i>Journal of Environmental Management</i> , 2022, 302, 114119.	3.8	14

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73	Molten salt synthesis of mullite nanowhiskers using different silica sources. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2015, 22, 884-891.	2.4	13
74	Synthesis of (Ni,Mg,Cu)Fe ₂ O ₄ from nickel sulfide ore: A novel heterogeneous photo-Fenton-like catalyst with enhanced activity in the presence of oxalic acid. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 390, 112308.	2.0	13
75	Selective Phase Transformation Behavior of Titanium-bearing Electric Furnace Molten Slag during the Molten NaOH Treatment Process. <i>ISIJ International</i> , 2015, 55, 134-141.	0.6	12
76	Viscous Flow and Crystallization Behaviors of P-bearing Steelmaking Slags with Varying Fluorine Content. <i>ISIJ International</i> , 2016, 56, 546-553.	0.6	12
77	The Model for Oxidation Kinetics of Titanium Nitride Coatings. <i>International Journal of Applied Ceramic Technology</i> , 2010, 7, 248-255.	1.1	11
78	Microwave Hydrothermal Synthesis and Piezoelectric Properties Investigation of K _{0.5} Na _{0.5} NbO ₃ Lead-Free Ceramics. <i>Ferroelectrics</i> , 2010, 404, 69-75.	0.3	11
79	Effect of Ni substitution content on structure and magnetic properties of spinel ferrites synthesized from laterite leaching solutions. <i>Ceramics International</i> , 2015, 41, 15283-15286.	2.3	11
80	Phosphate enrichment mechanism in CaO-SiO ₂ -FeO-Fe ₂ O ₃ -P ₂ O ₅ steelmaking slags with lower binary basicity. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2016, 23, 520-533.	2.4	11
81	Facile synthesis of metal-doped Ni-Zn ferrite from treated Zn-containing electric arc furnace dust. <i>Ceramics International</i> , 2017, 43, 1980-1987.	2.3	11
82	Two-step modification towards enhancing the adsorption capacity of fly ash for both inorganic Cu(II) and organic methylene blue from aqueous solution. <i>Environmental Science and Pollution Research</i> , 2018, 25, 36449-36461.	2.7	11
83	In-Suit Industrial Tests of the Highly Efficient Recovery of Waste Heat and Reutilization of the Hot Steel Slag. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 3955-3962.	3.2	11
84	Thermodynamic study and syntheses of β -SiAlON ceramics. <i>Science in China Series D: Earth Sciences</i> , 2009, 52, 3122-3127.	0.9	9
85	Facile and Economical Preparation of SiAlON-Based Composites Using Coal Gangue: From Fundamental to Industrial Application. <i>Energies</i> , 2015, 8, 7428-7440.	1.6	9
86	Novel efficient heterogeneous visible light assisted Fenton-like catalyst (Ni,Mg,Cu)Fe ₂ O ₄ from nickel sulfide concentrate. <i>Materials Letters</i> , 2019, 253, 1-4.	1.3	9
87	Efficient Nanorod Array Perovskite Solar Cells: A Suitable Structure for High Strontium Substitution in Nature. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 10515-10526.	4.0	9
88	Facile synthesis of ordered Nb ₂ O ₅ coated TiO ₂ nanorod arrays for efficient perovskite solar cells. <i>Applied Surface Science</i> , 2021, 542, 148728.	3.1	9
89	Efficient and stable TiO ₂ nanorod array structured perovskite solar cells in air: Co-passivation and synergistic mechanism. <i>Ceramics International</i> , 2022, 48, 17950-17959.	2.3	9
90	Hydrothermal Preparation and Oxygen Storage Capacity of Nano CeO ₂ -based Materials. <i>Chinese Journal of Chemical Physics</i> , 2007, 20, 711-716.	0.6	8

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91	Synthesis of TiO ₂ visible light catalysts with controllable crystalline phase and morphology from Ti-bearing electric arc furnace molten slag. <i>Journal of Environmental Sciences</i> , 2016, 47, 14-22.	3.2	8
92	Controllable growth of Na ₂ CO ₃ fibers for mesoporous activated alumina ball modification towards the high-efficiency adsorption of HCl gas at low temperature. <i>RSC Advances</i> , 2017, 7, 53306-53315.	1.7	8
93	Characterization of novel shape-stabilized phase change material mortar: Portland cement containing Na ₂ SO ₄ ·10H ₂ O and fly ash for energy-efficient building. <i>International Journal of Energy Research</i> , 2019, 43, 5812-5823.	2.2	8
94	Effect of Sr substitution on the air-stability of perovskite solar cells. <i>Ceramics International</i> , 2020, 46, 14038-14047.	2.3	8
95	Conductivity properties of β -SiAlON ceramics. <i>Science China Technological Sciences</i> , 2012, 55, 2409-2415.	2.0	7
96	Na ₂ S Solution Remediation for Heavy Mercury Contaminated Soil. <i>Journal of Chemical Engineering of Japan</i> , 2017, 50, 155-160.	0.3	7
97	High-efficiency perovskite solar cell based on TiO ₂ nanorod arrays under natural ambient conditions: Solvent effect. <i>Ceramics International</i> , 2019, 45, 12353-12359.	2.3	7
98	Low temperature and pressureless synthesis of MgAlON: qualitative analysis and formation evolution. <i>International Journal of Materials Research</i> , 2020, 111, 537-545.	0.1	7
99	Preparation and characterization of SiO ₂ @n-octadecane capsules with controllable size and structure. <i>Thermochimica Acta</i> , 2021, 705, 179037.	1.2	7
100	Preparation and characterization of novel CuS / SiO ₂ @n-octadecane phase-change nanocapsules enhanced photothermal conversion for solar energy utilization. <i>International Journal of Energy Research</i> , 2022, 46, 7411-7423.	2.2	7
101	Template-free hydrothermal synthesis of single-crystalline SnO ₂ nanocauliflowers and their optical properties. <i>Rare Metals</i> , 2009, 28, 449-453.	3.6	6
102	Structure and Magnetic Properties of Co, Mn, Mg, and Al Codoped Nickel Ferrites Prepared from Laterite Leaching Solutions. <i>Chemistry Letters</i> , 2014, 43, 1098-1100.	0.7	6
103	Hydration resistance and mechanism of regenerated MgO-CaO bricks. <i>Journal of the Ceramic Society of Japan</i> , 2015, 123, 90-95.	0.5	6
104	Controllable synthesis of nanorod/nanodisk TiO ₂ from titanium-containing electric furnace molten slag. <i>Rare Metals</i> , 2015, 34, 267-275.	3.6	6
105	Metal-doped (Cu,Zn)Fe ₂ O ₄ from integral utilization of toxic Zn-containing electric arc furnace dust: An environment-friendly heterogeneous Fenton-like catalyst. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2020, 27, 996-1006.	2.4	6
106	Air fabrication of SnO ₂ based planar perovskite solar cells with an efficiency approaching 20%: Synergistic passivation of multi-defects by choline chloride. <i>Ceramics International</i> , 2022, 48, 212-223.	2.3	6
107	Self-assembled CuO-bearing aerogel-like hollow Al ₂ O ₃ microspheres for room temperature dry capture of H ₂ S. <i>Chemical Engineering Research and Design</i> , 2022, 177, 174-183.	2.7	6
108	Generation of multi-valence Cu _x O by reduction with activated semi-coke and their collaboration in the selective reduction of NO with NH ₃ . <i>RSC Advances</i> , 2022, 12, 4672-4680.	1.7	6

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109	Preparation and UV property of size-controlled monodisperse nickel nanoparticles (10\AA) by reductive method. <i>Rare Metals</i> , 2013, 32, 179-185.	3.6	5
110	Magnetic Ni-Zn spinel ferrite nanopowder from toxic Zn-bearing electric arc furnace dust: A promising treatment process. <i>Minerals Engineering</i> , 2020, 157, 106540.	1.8	5
111	Efficient removal of K ₂ O and Fe ₂ O ₃ impurities from bauxite tailings through active calcination combined with acid leaching. <i>Canadian Metallurgical Quarterly</i> , 2017, 56, 294-300.	0.4	4
112	Highly Dispersed Potassium-Based Nanowire Structure for Selectively Capturing Trace Hydrogen Chloride in H ₂ /CO ₂ Environments. <i>Energy & Fuels</i> , 2020, 34, 11712-11716.	2.5	4
113	Synthesis of chromium and ferrochromium alloy in molten salts by the electro-reduction method. <i>Journal of Mining and Metallurgy, Section B: Metallurgy</i> , 2015, 51, 185-191.	0.3	4
114	Effects of pretreatment of substrates on the preparation of large scale ZnO nanotube arrays. <i>Rare Metals</i> , 2010, 29, 21-25.	3.6	3
115	Morphology evolution of lead-free ceramics: formation of Bi _{0.5} Na _{0.5} TiO ₃ superstructures on a Ti substrate. <i>CrystEngComm</i> , 2011, 13, 1953-1958.	1.3	3
116	Complete stabilization of severely As-contaminated soil by a simple H ₂ O ₂ pre-oxidation method combined with non-toxic TMT-15 and FeCl ₃ ·6H ₂ O. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2019, 26, 1105-1112.	2.4	3
117	Selective reduce roasting magnetic separation towards efficient and cleaning removal of iron values from bauxite residual. <i>Canadian Metallurgical Quarterly</i> , 2019, 58, 410-418.	0.4	3
118	Dynamic Desulfurization Process over Porous Zn-Cu-Based Materials in a Packed Column: Adsorption Kinetics and Breakthrough Modeling. <i>Energy & Fuels</i> , 2020, 34, 16552-16559.	2.5	3
119	Efficient Inorganic/Organic Acid Leaching for the Remediation of Protogenetic Lead-Contaminated Soil. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3995.	1.3	3
120	Preparation and characterization of regenerated MgO-CaO refractory bricks sintered under different atmospheres. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2014, 21, 1233-1240.	2.4	2
121	Kinetic Study on Phosphate Enrichment Behavior in CaO-SiO ₂ -FeO-Fe ₂ O ₃ -P ₂ O ₅ Steelmaking Slags. <i>High Temperature Materials and Processes</i> , 2018, 37, 477-486.	0.6	2
122	Leaching Performance of Glass-Ceramic Prepared from High-Carbon Ferrochromium Slag and Its Application in the Urban Constructions. <i>Transactions of the Indian Institute of Metals</i> , 2022, 75, 1909-1915.	0.7	2
123	Novel environmental radiation dosimeter Mn:CaF ₂ transparent glass ceramic: Dependence of thermoluminescence performance on slag addition and crystallisation behaviour. <i>Ceramics International</i> , 2022, 48, 27154-27162.	2.3	2
124	A Simple and Mild Synthesis of Zeolite Y from Bauxite Tailings for Lead Adsorption: Reusable, Efficient and Highly Selective. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 0, , .	1.9	2
125	High mercury leachate containing HgS ₂ complex ion: Detoxifying solidification and high efficiency Hg extraction. <i>Journal of Environmental Sciences</i> , 2018, 73, 177-184.	3.2	1
126	Na ₂ S Leaching Assisting Thermal Desorption for Thoroughly and Mildly Remediating Severely Hg-Contaminated Soil. <i>Journal of Chemical Engineering of Japan</i> , 2019, 52, 805-810.	0.3	1

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127	Numerical simulation of radiative heat transfer in a binary-size granular bed. Thermal Science, 2022, 26, 5095-5108.	0.5	1
128	Properties of regenerated MgO-CaO refractory bricks: Impurity of silicon dioxide. Materials Research Innovations, 2015, 19, S2-119-S2-124.	1.0	0
129	Controllable preparation of anatase TiO ₂ nano arrays on Ti foil for flexible dye-sensitised solar cells. Materials Research Innovations, 2015, 19, S2-10-S2-17.	1.0	0
130	Novel insight into composite packing of copper modified adsorbents for synergistically capturing H ₂ S&HCl in low-temperature anaerobic environment. Separation and Purification Technology, 2021, 275, 119222.	3.9	0