

Mei Zhang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

123
papers

1,774
citations

22
h-index

35
g-index

131
ext. papers

2,236
ext. citations

4.7
avg, IF

5.16
L-index

#	Paper	IF	Citations
123	Generation of multi-valence Cu 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	3.7	0
122	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	7.9	1
121	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	14.7	2
120	Efficient Inorganic/Organic Acid Leaching for the Remediation of Protogenetic Lead-Contaminated Soil. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 3995	2.6	0
119	A review of NiO-based electrochromic-energy storage bifunctional material and integrated device. <i>Journal of Energy Storage</i> , 2021 , 103597	7.8	3
118	Enhanced heterogeneous Fenton-like degradation of refractory organic contaminants over Cu doped (Mg,Ni)(Fe,Al)O synthesized from laterite nickel ore. <i>Journal of Environmental Management</i> , 2021 , 283, 111941	7.9	3
117	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	6.7	2
116	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	8.3	1
115	Preparation and characterization of SiO ₂ @n-octadecane capsules with controllable size and structure. <i>Thermochimica Acta</i> , 2021 , 705, 179037	2.9	2
114	Novel insight into composite packing of copper modified adsorbents for synergistically capturing H ₂ S&HCl in low-temperature anaerobic environment. <i>Separation and Purification Technology</i> , 2021 , 275, 119222	8.3	
113	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	13	10
112	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	6.7	15
111	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	6	8
110	Effect of Sr substitution on the air-stability of perovskite solar cells. <i>Ceramics International</i> , 2020 , 46, 14038-14047	5.1	4
109	Facile and large-scale fabrication of (Mg,Ni)(Fe,Al)O heterogeneous photo-Fenton-like catalyst from saprolite laterite ore for effective removal of organic contaminants. <i>Journal of Hazardous Materials</i> , 2020 , 392, 122295	12.8	19
108	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	9.5	3
107	Low-Temperature Highly Efficient and Selective Removal of HS over Three-Dimensional Zn-Cu-Based Materials in an Anaerobic Environment. <i>Environmental Science & Technology</i> , 2020 , 54, 5964-5972	10.3	14

106	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	4.7	6
105	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	2.3	7
104	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	3.1	3
103	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	4.1	2
102	Low temperature and pressureless synthesis of MgAlON: qualitative analysis and formation evolution. <i>International Journal of Materials Research</i> , 2020 , 111, 537-545	0.5	4
101	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	4.9	2
100	Highly Dispersed Potassium-Based Nanowire Structure for Selectively Capturing Trace Hydrogen Chloride in H ₂ S/CO ₂ Environments. <i>Energy & Fuels</i> , 2020 , 34, 11712-11716	4.1	2
99	Enhanced HCl removal from CO ₂ -rich mixture gases by CuOx/Na ₂ CO ₃ porous sorbent at low temperature: Kinetics and forecasting. <i>Chemical Engineering Journal</i> , 2020 , 381, 122738	14.7	4
98	A novel heterostructure of oriented core/shell tungsten oxide nanorod arrays for electrochromo-pseudocapacitor. <i>Scripta Materialia</i> , 2020 , 174, 1-5	5.6	11
97	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	3.1	2
96	Hydrothermal temperature effect on microstructure evolution and Fenton-like catalytic performance of spinel ferrite (Mg,Ni)(Fe,Al) ₂ O ₄ synthesized from saprolitic nickel laterite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 568, 11-19	5.1	10
95	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	4.5	5
94	Zeolite X Adsorbent with High Stability Synthesized from Bauxite Tailings for Cyclic Adsorption of CO ₂ . <i>Energy & Fuels</i> , 2019 , 33, 6641-6649	4.1	10
93	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	3.3	5
92	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	0.9	1
91	A simple hydrothermal synthesis of zeolite X from bauxite tailings for highly efficient adsorbing CO ₂ at room temperature. <i>Microporous and Mesoporous Materials</i> , 2019 , 287, 77-84	5.3	16
90	Utilization of mineral wool waste and waste glass for synthesis of foam glass at low temperature. <i>Construction and Building Materials</i> , 2019 , 215, 623-632	6.7	24
89	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	5.1	4

88	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	3.1	13
87	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	5.1	13
86	Bifunctional aligned hexagonal/amorphous tungsten oxide core/shell nanorod arrays with enhanced electrochromic and pseudocapacitive performance. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 16867-16875	13	35
85	Self-assembled multifunctional bulk hollow microspheres: Thermal insulation, sound absorption and fire resistance. <i>Energy and Buildings</i> , 2019 , 205, 109533	7	10
84	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	0.8	1
83	Preparation of monolithic silica-based aerogels with high thermal stability by ambient pressure drying. <i>Ceramics International</i> , 2018 , 44, 11923-11931	5.1	17
82	High mercury leachate containing HgS complex ion: Detoxifying solidification and high efficiency Hg extraction. <i>Journal of Environmental Sciences</i> , 2018 , 73, 177-184	6.4	
81	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	6.8	12
80	Kinetic Study on Phosphate Enrichment Behavior in CaO-Bi ₂ O ₃ -FeO-Fe ₂ O ₃ -P ₂ O ₅ Steelmaking Slags. <i>High Temperature Materials and Processes</i> , 2018 , 37, 477-486	0.9	1
79	Hydrothermal synthesis of Ni-Co-Cu alloy nanoparticles from low nickel matte. <i>Journal of Alloys and Compounds</i> , 2018 , 766, 229-240	5.7	13
78	Inexpensive metal oxides nanoparticles doped Na ₂ CO 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	14.7	6
77	Lead-less mesoscopic perovskite solar cells with enhanced photovoltaic performance by strontium chloride substitution. <i>Ceramics International</i> , 2018 , 44, 18863-18870	5.1	10
76	Effect of PbI ₂ solution on air-preparation of perovskite solar cells for enhanced performance. <i>Applied Surface Science</i> , 2018 , 458, 172-182	6.7	18
75	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	5.1	8
74	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	6	24
73	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	2.5	12
72	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	3.9	22
71	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	3.1	16

70	Na ₂ S Solution Remediation for Heavy Mercury Contaminated Soil. <i>Journal of Chemical Engineering of Japan</i> , 2017 , 50, 155-160	0.8	6
69	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	5.1	32
68	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	0.9	2
67	Multiple copper adsorption and regeneration by zeolite 4A synthesized from bauxite tailings. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 21829-21835	5.1	18
66	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	3.7	3
65	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	12.8	9
64	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	2.5	24
63	Facile synthesis of metal-doped Ni-Zn ferrite from treated Zn-containing electric arc furnace dust. <i>Ceramics International</i> , 2017 , 43, 1980-1987	5.1	9
62	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	4	11
61	Crystallization kinetics of glass/ceramics prepared from high-carbon ferrochromium slag. <i>Ceramics International</i> , 2016 , 42, 19329-19335	5.1	20
60	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	4	10
59	Viscous and Crystallization Characteristics of CaO-SiO ₂ -MgO-Al ₂ O ₃ -FeO-P ₂ O ₅ -(CaF ₂) Steelmaking Slags 2016 , 495-500		
58	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	7.1	20
57	Phosphate enrichment mechanism in CaO-Bi ₂ O ₃ -FeO-Be 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	3.1	2
56	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	6.4	8
55	Synthesis and characterization of glass-ceramics prepared from high-carbon ferrochromium slag. <i>RSC Advances</i> , 2016 , 6, 52715-52723	3.7	14
54	Hydrothermal synthesis of mixtures of NaA zeolite and sodalite from Ti-bearing electric arc furnace slag. <i>RSC Advances</i> , 2016 , 6, 8358-8366	3.7	22
53	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	3.1	16

52	Viscous Flow and Crystallization Behaviors of P-bearing Steelmaking Slags with Varying Fluorine Content. <i>ISIJ International</i> , 2016 , 56, 546-553	1.7	8
51	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	3.1	11
50	Selective and Efficient Extraction of Zinc from Mixed SulfideOxide Zinc and Lead Ore. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2016 , 37, 418-426	3.1	11
49	Effect of P ₂ O ₅ and FeO on the Viscosity and Slag Structure in Steelmaking Slags. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2015 , 46, 758-765	2.5	55
48	Effect of Al ₂ O ₃ on the Viscosity and Structure of CaO-SiO ₂ -MgO-Al ₂ O ₃ -FeO Slags. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2015 , 46, 537-541	2.5	45
47	Selective Crystallization Behavior of CaO-SiO ₂ -Al ₂ O ₃ -MgO-FeO-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	2.5	19
46	Hydrothermal preparation of WO ₃ nanorod array and ZnO nanosheet array composite structures on FTO substrates with enhanced photocatalytic properties. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 7612-7620	7.1	35
45	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	3.7	14
44	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	5.1	14
43	Hydrothermal synthesis and structure evolution of metal-doped magnesium ferrite from saprolite laterite. <i>RSC Advances</i> , 2015 , 5, 92778-92787	3.7	69
42	Molten salt synthesis of mullite nanowhiskers using different silica sources. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2015 , 22, 884-891	3.1	9
41	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	5.1	11
40	Synthesis, structure and magnetic properties of Zn substituted NiCoMnMg ferrites. <i>Materials Letters</i> , 2015 , 141, 122-124	3.3	25
39	Controllable synthesis of nanorod/nanodisk TiO ₂ from titanium-containing electric furnace molten slag. <i>Rare Metals</i> , 2015 , 34, 267-275	5.5	4
38	Properties of regenerated MgO-CaO refractory bricks: Impurity of silicon dioxide. <i>Materials Research Innovations</i> , 2015 , 19, S2-119-S2-124	1.9	
37	Hydration resistance and mechanism of regenerated MgO-CaO bricks. <i>Journal of the Ceramic Society of Japan</i> , 2015 , 123, 90-95	1	5
36	Facile and Economical Preparation of SiAlON-Based Composites Using Coal Gangue: From Fundamental to Industrial Application. <i>Energies</i> , 2015 , 8, 7428-7440	3.1	8
35	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	1.7	9

34	Effects of morphology, size and crystallinity on the electrochromic properties of nanostructured WO ₃ films. <i>CrystEngComm</i> , 2015 , 17, 5440-5450	3.3	33
33	Effect of substrate pre-treatment on microstructure and enhanced electrochromic properties of WO ₃ nanorod arrays. <i>RSC Advances</i> , 2015 , 5, 106182-106190	3.7	14
32	Controllable preparation of anatase TiO ₂ nano arrays on Ti foil for flexible dye-sensitised solar cells. <i>Materials Research Innovations</i> , 2015 , 19, S2-10-S2-17	1.9	
31	Low-temperature-controlled synthesis and growth mechanism of AlN whiskers. <i>Materials Research Innovations</i> , 2015 , 19, S2-108-S2-112	1.9	22
30	Extraction of molybdenum and vanadium from the spent diesel exhaust catalyst by ammonia leaching method. <i>Journal of Hazardous Materials</i> , 2015 , 286, 402-9	12.8	47
29	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	1	3
28	Effects of preparing conditions on controllable one-step electrodeposition of ZnO nanotube arrays. <i>Electrochimica Acta</i> , 2014 , 132, 370-376	6.7	21
27	Enrichment Mechanism of Phosphate in CaO-SiO ₂ -FeO-Fe ₂ O ₃ -P ₂ O ₅ Steelmaking Slags. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2014 , 45, 1666-1682	2.5	25
26	Feasible conversion of solid waste bauxite tailings into highly crystalline 4A zeolite with valuable application. <i>Waste Management</i> , 2014 , 34, 2365-72	8.6	41
25	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	1.7	6
24	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	3.1	2
23	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	3.1	14
22	Preparation and UV property of size-controlled monodisperse nickel nanoparticles (. <i>Rare Metals</i> , 2013 , 32, 179-185	5.5	4
21	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	3.1	20
20	Effect of substrate pre-treatment on controllable synthesis of hexagonal WO ₃ nanorod arrays and their electrochromic properties. <i>CrystEngComm</i> , 2013 , 15, 5828	3.3	32
19	Hydrothermal preparation and optical properties of orientation-controlled WO ₃ nanorod arrays on ITO substrates. <i>CrystEngComm</i> , 2013 , 15, 277-284	3.3	87
18	Conductivity properties of β-SiAlON ceramics. <i>Science China Technological Sciences</i> , 2012 , 55, 2409-2415	3.5	6
17	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. <i>Journal of Iron and Steel Research International</i> , 2011 , 18, 1-6	1.2	59

16	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	2	16
15	Thermal oxidation of SiAlON powders synthesized from coal gangue. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2011 , 18, 77-82	3.1	11
14	The Influence of SiO ₂ on the Extraction of Ti Element from Ti-bearing Blast Furnace Slag. <i>Steel Research International</i> , 2011 , 82, 607-614	1.6	49
13	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	3.3	3
12	Hydrothermal preparation and photoelectrochemical performance of size-controlled SnO ₂ nanorod arrays. <i>CrystEngComm</i> , 2010 , 12, 4024	3.3	58
11	The Model for Oxidation Kinetics of Titanium Nitride Coatings. <i>International Journal of Applied Ceramic Technology</i> , 2010 , 7, 248-255	2	10
10	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	0.6	9
9	Effects of pretreatment of substrates on the preparation of large scale ZnO nanotube arrays. <i>Rare Metals</i> , 2010 , 29, 21-25	5.5	3
8	Hydrothermal growth of well-aligned TiO ₂ nanorod arrays: Dependence of morphology upon hydrothermal reaction conditions. <i>Rare Metals</i> , 2010 , 29, 286-291	5.5	35
7	Thermodynamic study and syntheses of BiAlON ceramics. <i>Science in China Series D: Earth Sciences</i> , 2009 , 52, 3122-3127		8
6	Preparation and properties of a nano TiO ₂ /Fe ₃ O ₄ composite superparamagnetic photocatalyst. <i>Rare Metals</i> , 2009 , 28, 423-427	5.5	73
5	Template-free hydrothermal synthesis of single-crystalline SnO ₂ nanocauliflowers and their optical properties. <i>Rare Metals</i> , 2009 , 28, 449-453	5.5	5
4	Hydrothermal Synthesis and Characterization of $K_xNa_{(1-x)}NbO_3$ Powders. <i>International Journal of Applied Ceramic Technology</i> , 2007 , 4, 571-577	2	32
3	Hydrothermal Preparation and Oxygen Storage Capacity of Nano CeO ₂ -based Materials. <i>Chinese Journal of Chemical Physics</i> , 2007 , 20, 711-716	0.9	7
2	A Novel Deep-Eutectic Solvent with Strong Coordination Ability and Low Viscosity for Efficient Extraction of Valuable Metals from Spent Lithium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> ,	8.3	4
1	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> , ¹	1.2	0