

Zuo-Ren Nie

List of Publications by Year in descending order

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139
papers

2,962
citations

186265

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141
docs citations

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2938
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#	ARTICLE	IF	CITATIONS
1	Mechanical properties and corrosion behavior of a new RRA-treated Al–Zn–Mg–Cu–Er–Zr alloy. <i>Rare Metals</i> , 2023, 42, 672-679.	7.1	6
2	Determination of coordination form of tungsten ion in molten alkali chloride by electrochemical method. <i>Journal of Molecular Liquids</i> , 2022, 346, 117062.	4.9	4
3	A new method for preparation of tungsten carbide powder by in situ electrochemical reduction. <i>Electrochemistry Communications</i> , 2022, 134, 107179.	4.7	4
4	Life cycle assessment of recycled NiCoMn ternary cathode materials prepared by hydrometallurgical technology for power batteries in China. <i>Journal of Cleaner Production</i> , 2022, 340, 130798.	9.3	24
5	A novel strategy to enhance the desalination stability of FAS (fluoroalkylsilane)-modified ceramic membranes via constructing a porous SiO ₂ @PDMS (polydimethylsiloxane) protective layer on their top. <i>Chemical Engineering Journal</i> , 2022, 435, 134757.	12.7	11
6	Microwave-assisted synthesis of hierarchical WO ₃ ·H ₂ O and its selective adsorption: kinetics, isotherm and mechanism. <i>Journal of Materials Science</i> , 2022, 57, 6881-6899.	3.7	4
7	In-situ electrochemical reconstruction of tungsten carbide using Na ₂ CO ₃ -containing molten salt. <i>Ceramics International</i> , 2022, 48, 19444-19451.	4.8	2
8	Dissolution of tungsten carbide and valence analysis of tungsten ions in chloride–fluoride molten salts. <i>Journal of Molecular Liquids</i> , 2022, 355, 118944.	4.9	5
9	Trace removal of benzene vapour using double-walled metal–dipyrazolate frameworks. <i>Nature Materials</i> , 2022, 21, 689-695.	27.5	109
10	Evolution of microstructural homogeneity in novel Ti-6Zr-5Fe alloy fabricated by selective laser melting. <i>Materials Characterization</i> , 2021, 171, 110729.	4.4	5
11	Microstructure and properties of a novel ternary Ti–6Zr–xFe alloy for biomedical applications. <i>Journal of Alloys and Compounds</i> , 2021, 854, 157119.	5.5	23
12	Regulation of morphology and visible light-driven photocatalysis of WO ₃ nanostructures by changing pH. <i>Rare Metals</i> , 2021, 40, 1738-1745.	7.1	19
13	Hot pressing sintering process and sintering mechanism of W–La ₂ O ₃ –Y ₂ O ₃ –ZrO ₂ . <i>Rare Metals</i> , 2021, 40, 1949-1956.	7.1	4
14	Simulation analysis on optimization of tungsten carbide recovery efficiency by molten salt electrolysis. <i>Journal of Applied Electrochemistry</i> , 2021, 51, 861-870.	2.9	5
15	Development of Ti 6Zr 5Fe alloy powder for laser powder bed fusion. <i>Powder Technology</i> , 2021, 382, 364-367.	4.2	1
16	Efficient Dissolution of Tungsten Carbide Using an Oxygen-Containing Molten Salt. <i>Journal of the Electrochemical Society</i> , 2021, 168, 056513.	2.9	8
17	The Phase Stability of Al ₃ Er Studied by the First-Principles Calculations and Experimental Analysis. <i>Metals</i> , 2021, 11, 759.	2.3	4
18	Microstructural evolution of near- $\hat{1}^2$ Ti-6Zr-5Fe alloy fabricated by selective laser melting before and after solution treatment. <i>Journal of Alloys and Compounds</i> , 2021, 862, 158496.	5.5	4

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19	A Practice of Reticular Chemistry: Construction of a Robust Mesoporous Palladium Metal-Organic Framework via Metal Metathesis. <i>Journal of the American Chemical Society</i> , 2021, 143, 9901-9911.	13.7	60
20	Competition between precipitation and segregation of Sc and its effects on thermal stability of Al-Cu-Mg-Ag alloys. <i>Materials Letters</i> , 2021, 297, 129927.	2.6	14
21	The electrochemical dissolution mechanism and treatment process in the molten-salt electrolytic recovery of WC-Co two-phase scraps. <i>Journal of Electroanalytical Chemistry</i> , 2021, 896, 115219.	3.8	3
22	Effect of pre-strain temperature on the subsequent dynamic recrystallization of parent β^2 phase and transformed β^1 -variant selection in a novel near β^1 titanium alloy. <i>Journal of Alloys and Compounds</i> , 2021, 888, 161577.	5.5	6
23	Facile synthesis of WO ₃ micro/nanostructures by paper-assisted calcination for visible-light-driven photocatalysis. <i>Chemical Physics</i> , 2020, 528, 110515.	1.9	27
24	Hardness and Young's modulus of Al ₃ Yb single crystal studied by nano indentation. <i>Intermetallics</i> , 2020, 127, 106980.	3.9	5
25	Asymmetric porous cordierite ceramic membranes prepared by phase inversion tape casting and their desalination performance. <i>Ceramics International</i> , 2020, 46, 23677-23685.	4.8	7
26	Synthesis and high photocatalytic performance of a novel hollow meso-TiO ₂ /ZnO composite microsphere. <i>Journal of Sol-Gel Science and Technology</i> , 2020, 95, 344-352.	2.4	7
27	Exergy-based resource consumption analysis of cement clinker production using natural mineral and using calcium carbide sludge (CCS) as raw material in China. <i>International Journal of Life Cycle Assessment</i> , 2020, 25, 667-677.	4.7	8
28	Growth mechanism of immobilized WO ₃ nanostructures in different solvents and their visible-light photocatalytic performance. <i>Journal of Physics and Chemistry of Solids</i> , 2020, 140, 109380.	4.0	23
29	The influence of stabilization treatment on long-term corrosion resistance and microstructure in Er and Zr containing 5083 aluminum alloy. <i>Materials Characterization</i> , 2020, 161, 110143.	4.4	13
30	Applications of molten salt and progress of molten salt electrolysis in secondary metal resource recovery. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2020, 27, 1599-1617.	4.9	50
31	Hydrophobic mesoporous organosilica membranes: Preparation and application in the separation of volatile organic compounds from water. <i>Microporous and Mesoporous Materials</i> , 2019, 288, 109606.	4.4	14
32	High corrosion resistance and strain hardening of high Mg Al-alloy with Er and Zr by using a new reverse stabilization process. <i>Scripta Materialia</i> , 2019, 171, 26-30.	5.2	10
33	Regeneration and characterization of LiNi _{0.8} Co _{0.15} Al _{0.05} O ₂ cathode material from spent power lithium-ion batteries. <i>Waste Management</i> , 2019, 95, 192-200.	7.4	28
34	Synthesis and photocatalytic performance of a novel hollow network Fe ₃ O ₄ /SiO ₂ /meso-TiO ₂ (FSmT) composite microspheres. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 90, 339-347.	2.4	8
35	Nucleation and evolution of β^2 phase and corresponding intergranular corrosion transition at 100–230 °C in 5083 alloy containing Er and Zr. <i>Materials and Design</i> , 2019, 174, 107778.	7.0	25
36	Preparation of Small-Particle and High-Density Cobalt Carbonate Using a Continuous Carbonate Precipitation Method and Evaluation of Its Growth Mechanism. <i>Materials</i> , 2019, 12, 3394.	2.9	5

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37	Wâ€Cu composites with submicron- and nanostructures: progress and challenges. NPG Asia Materials, 2019, 11, .	7.9	81
38	Effect of Erbium on the Microstructure and Mechanical Properties of Semiâ€Solid Alâ€7Siâ€0.4Mg Alloy. Advanced Engineering Materials, 2019, 21, 1801037.	3.5	6
39	Direct electrolytic separation of tungsten and cobalt from waste cemented carbide and electrochemical behavior of tungsten and cobalt ions in NaFâ€KF molten salts. Journal of Electroanalytical Chemistry, 2019, 833, 480-489.	3.8	18
40	The recrystallization behavior of Al-6Mg-0.4Mn-0.15Zr-xSc (xâ€=â€0.04â€0.10â€wt%) alloys. Materials Characterization, 2019, 147, 262-270.	4.4	12
41	Preparation and desalination performance of porous planar cordierite membranes using industrial solid waste as main silica source. Ceramics International, 2019, 45, 5932-5940.	4.8	13
42	Recovery of tungsten from WCâ€Co hard metal scraps using molten salts electrolysis. Journal of Materials Research and Technology, 2019, 8, 1440-1450.	5.8	17
43	Electrochemical dissolution of cemented carbide scrap and electrochemical preparation of tungsten and cobalt metals. International Journal of Refractory Metals and Hard Materials, 2019, 79, 145-153.	3.8	25
44	C18-Free Organicâ€Inorganic Hybrid Silica Particles Derived from Sole Silsesquioxane for Reversed-Phase HPLC. Chromatographia, 2018, 81, 247-256.	1.3	0
45	Evolution mechanism of dislocation boundary and characteristic micro-structure of commercial pure titanium during the projectile impact. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 712, 325-331.	5.6	3
46	Electrochemical Dissolution of Tungsten Carbide in NaCl-KCl-Na2WO4 Molten Salt. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2018, 49, 334-340.	2.1	23
47	Improved Post-Weld Heat Treatment for Argon TIG Welded Joint of a New Al â€ Zn â€ Mg â€ Cu Alloy. Metal Science and Heat Treatment, 2018, 60, 399-402.	0.6	2
48	Preparation of Silica Aerogels by Ambient Pressure Drying without Causing Equipment Corrosion. Molecules, 2018, 23, 1935.	3.8	22
49	Microstructure Characterization of Microalloyed 5xxx Aluminum Alloys with Er and Zr using Analytical Transmission Electron Microscopy and Synchrotron X-ray Fluorescence Microscopy. Microscopy and Microanalysis, 2018, 24, 760-761.	0.4	1
50	A microstructure with improved thermal stability and creep resistance in a novel near-alpha titanium alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 731, 12-20.	5.6	23
51	Plasticity and microstructure evolution of W-CeO2 rods with different short-duration pulse currents. Rare Metals, 2017, 36, 981-986.	7.1	2
52	Physical parameter-based allocation for the energy consumption of pyro-metallurgical systemâ€a case study on nickel production in China. International Journal of Life Cycle Assessment, 2017, 22, 199-212.	4.7	1
53	Hot deformation behavior and microstructure evolution of a high-temperature titanium alloy modified by erbium. Journal of Materials Research, 2017, 32, 1517-1527.	2.6	5
54	Loading and release of Ibuprofen (IBU) in a novel network hollow magnetic mesoporous SiO2/Fe3O4 microspheres (HMMSs). Journal of Sol-Gel Science and Technology, 2017, 82, 692-701.	2.4	4

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55	Electrolytic separation of cobalt and tungsten from cemented carbide scrap and the electrochemical behavior of metal ions. <i>Journal of Electroanalytical Chemistry</i> , 2017, 794, 254-263.	3.8	17
56	The thermal stability of the nanograin structure in a weak solute segregation system. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 4307-4316.	2.8	5
57	Visible-light responsive MOF encapsulation of noble-metal-sensitized semiconductors for high-performance photoelectrochemical water splitting. <i>Journal of Materials Chemistry A</i> , 2017, 5, 19491-19498.	10.3	96
58	Direct Electrochemical Preparation of Cobalt, Tungsten, and Tungsten Carbide from Cemented Carbide Scrap. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2017, 48, 692-700.	2.1	18
59	A rapid and low solvent/silylation agent-consumed synthesis, pore structure and property of silica aerogels from dislodged sludge. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 81, 427-435.	2.4	8
60	Hierarchically structured layered-double-hydroxide@zeolitic-imidazolate-framework derivatives for high-performance electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12526-12534.	10.3	79
61	Formation mechanism of the high-speed deformation characteristic microstructure based on dislocation slipping and twinning in α -titanium. <i>Journal of Materials Research</i> , 2016, 31, 3907-3918.	2.6	4
62	Eco-Materials and Life-Cycle Assessment. , 2016, , 31-76.		1
63	A mesoporous SiO ₂ /dense SiO ₂ /Fe ₃ O ₄ multiply coated hollow microsphere: Synthesis and application on papain immobilization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 511, 239-246.	4.7	9
64	Influence mechanism of the initial dislocation boundary on the adiabatic shear sensitivity of commercial pure titanium. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 676, 1-9.	5.6	8
65	Electrochemical Extraction of Tungsten Derived from WC Scrap and Electrochemical Properties of Tungsten Ion in LiCl-KCl Molten Salt. <i>Journal of the Electrochemical Society</i> , 2016, 163, D728-D733.	2.9	12
66	Oriented Nano-“Microstructure”-Assisted Controllable Fabrication of Metal-“Organic Framework Membranes on Nickel Foam. <i>Advanced Materials</i> , 2016, 28, 2374-2381.	21.0	99
67	Geometric and Chemical Composition Effects on Healing Kinetics of Voids in Mg-bearing Al Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2016, 47, 2410-2420.	2.2	6
68	Softening Behavior of a New Al-Zn-Mg-Cu Alloy Due to TIG Welding. <i>Journal of Materials Engineering and Performance</i> , 2016, 25, 1870-1879.	2.5	24
69	Hydrophobic silica aerogel derived from wheat husk ash by ambient pressure drying. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 78, 60-67.	2.4	36
70	A magnetic mesoporous SiO ₂ /Fe ₃ O ₄ hollow microsphere with a novel network-like composite shell: synthesis and application on laccase immobilization. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 78, 523-530.	2.4	19
71	Preparation and characterization of tungsten nanopowders from WC scrap in molten salts. <i>International Journal of Refractory Metals and Hard Materials</i> , 2016, 54, 422-426.	3.8	22
72	Environmental impact analysis of blast furnace slag applied to ordinary Portland cement production. <i>Journal of Cleaner Production</i> , 2016, 120, 221-230.	9.3	109

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73	Controllable morphology and pore structure of micron-sized organic-inorganic hybrid silica spheres derived from silsesquioxane. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 78, 40-49.	2.4	4
74	Effects of strain rates on deformation twinning behavior in α -titanium. <i>Materials Characterization</i> , 2015, 106, 218-225.	4.4	43
75	The LCA of portland cement production in China. <i>International Journal of Life Cycle Assessment</i> , 2015, 20, 117-127.	4.7	68
76	Cumulative exergy demand analysis of the primary aluminum produced in China and its natural resource-saving potential in transportation. <i>International Journal of Life Cycle Assessment</i> , 2015, 20, 1048-1060.	4.7	17
77	Electrochemical behavior of tungsten ions from WC scrap dissolution in a chloride melt. <i>Electrochimica Acta</i> , 2015, 184, 233-238.	5.2	33
78	Variation Trend and Driving Factors of Greenhouse Gas Emissions from Chinese Magnesium Production. <i>Environmental Science & Technology</i> , 2015, 49, 12662-12669.	10.0	9
79	Wettability, pore structure and performance of perfluorodecyl-modified silica membranes. <i>Journal of Membrane Science</i> , 2014, 466, 114-122.	8.2	29
80	Determination of Er and Yb solvuses and trialuminide nucleation in Al-Er and Al-Yb alloys. <i>Journal of Alloys and Compounds</i> , 2014, 590, 526-534.	5.5	39
81	"Complexation-precipitation-metal separation method system and its application in secondary resources. <i>Rare Metals</i> , 2014, 33, 369-378.	7.1	8
82	The study of carbon-based lead foam as positive current collector of lead acid battery. <i>Journal of Porous Materials</i> , 2013, 20, 557-562.	2.6	10
83	Development and application of life cycle assessment in China over the last decade. <i>International Journal of Life Cycle Assessment</i> , 2013, 18, 1435-1439.	4.7	8
84	Effect of Zn Content on the Microstructure and Properties of Super-High Strength Al-Zn-Mg-Cu Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2013, 44, 3910-3920.	2.2	100
85	Catalase immobilized on siliceous mesocellular foam with controlled window size. <i>Journal of Porous Materials</i> , 2013, 20, 75-79.	2.6	8
86	Structure and properties of secondary cobalt powder. <i>International Journal of Refractory Metals and Hard Materials</i> , 2013, 41, 90-93.	3.8	4
87	Cobalt recovery from cobalt-bearing waste in sulphuric and citric acid systems. <i>Hydrometallurgy</i> , 2013, 136, 1-7.	4.3	46
88	Theoretical simulation and experimental study on nickel, cobalt, manganese separation in complexation-precipitation system. <i>Separation and Purification Technology</i> , 2013, 108, 124-132.	7.9	24
89	Environment impact analysis of primary aluminum and recycled aluminum. <i>Procedia Engineering</i> , 2012, 27, 465-474.	1.2	18
90	Activity enhancement of Microperoxide-11 immobilized on nanospheres with a nanosize Co ₃ O ₄ core and a periodic mesoporous organosilica shell. <i>Journal of Materials Chemistry</i> , 2012, 22, 9970.	6.7	13

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91	Microstructure and mechanical properties of Al-Mg-Mn alloy with erbium. <i>Rare Metals</i> , 2012, 31, 237-243.	7.1	12
92	Life Cycle Energy Consumption and Carbon Dioxide Emission of Residential Building Designs in Beijing. <i>Journal of Industrial Ecology</i> , 2012, 16, 576-587.	5.5	117
93	Microstructural and mechanical property characterization of Er modified Al-Mg-Mn alloy Tungsten Inert Gas welds. <i>Materials & Design</i> , 2012, 34, 655-659.	5.1	14
94	Recent progress and application of materials life cycle assessment in China. <i>Progress in Natural Science: Materials International</i> , 2011, 21, 1-11.	4.4	12
95	The high temperature deformation behavior and microstructure of TC21 titanium alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 5360-5367.	5.6	34
96	Development of Chinese characterization factors for land use in life cycle impact assessment. <i>Science China Technological Sciences</i> , 2010, 53, 1483-1488.	4.0	12
97	Preparation of W-Cu nano-composite powder using a freeze-drying technique. <i>International Journal of Refractory Metals and Hard Materials</i> , 2010, 28, 301-304.	3.8	28
98	Mesoporous organosilicas with ultra-large pores: Mesophase transformation and bioadsorption properties. <i>Journal of Colloid and Interface Science</i> , 2010, 346, 61-65.	9.4	5
99	Annealing behavior of a modified 5083 aluminum alloy. <i>Materials & Design</i> , 2010, 31, 1607-1612.	5.1	63
100	Effective immobilization of enzyme in glycidoxypropyl-functionalized periodic mesoporous organosilicas (PMOs). <i>Microporous and Mesoporous Materials</i> , 2010, 134, 72-78.	4.4	46
101	Increasing the hydrophobic property of poly(vinylidene fluoride) by KrF excimer laser irradiation. <i>Applied Physics Letters</i> , 2010, 96, 231109.	3.3	7
102	Preparation and performance of LiFePO ₄ and LiFePO ₄ /C cathodes by freeze-drying. <i>Journal of Alloys and Compounds</i> , 2010, 497, 377-379.	5.5	22
103	Thermodynamic calculation of Er-X and Al-Er-X compounds existing in Al-Mg-Mn-Zr-Er alloy. <i>Transactions of Nonferrous Metals Society of China</i> , 2010, 20, 682-687.	4.2	16
104	Calculation model of life cycle inventory for a product system. , 2009, , .		4
105	Synthesis and characterization of ultrafine WC-Co by freeze-drying and spark plasma sintering. <i>International Journal of Refractory Metals and Hard Materials</i> , 2009, 27, 101-104.	3.8	18
106	Life cycle assessment of primary magnesium production using the Pidgeon process in China. <i>International Journal of Life Cycle Assessment</i> , 2009, 14, 480-489.	4.7	41
107	Characterization and normalization factors of abiotic resource depletion for life cycle impact assessment in China. <i>Science in China Series D: Earth Sciences</i> , 2009, 52, 215-222.	0.9	27
108	Greenhouse gas emissions and reduction potential of primary aluminum production in China. <i>Science in China Series D: Earth Sciences</i> , 2009, 52, 2161-2166.	0.9	51

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109	Preparation and characterization of mesoporous Al-MCM-41 layers deposited on FeCrAl metallic foils by an in-situ hydrothermal method. Journal Wuhan University of Technology, Materials Science Edition, 2009, 24, 1-4.	1.0	4
110	Catalytically active gold nanoparticles confined in periodic mesoporous organosilica (PMOs) by a modified external passivation route. Microporous and Mesoporous Materials, 2009, 117, 98-103.	4.4	17
111	Hot deformation and processing maps of an Al-5.7wt.%Mg alloy with erbium. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 517, 132-137.	5.6	73
112	Preparation and characterization of ultrafine cobalt powders and supported cobalt catalysts by freeze-drying. Powder Technology, 2009, 191, 107-110.	4.2	20
113	Facile synthesis of hydrophobic microporous silica membranes and their resistance to humid atmosphere. Microporous and Mesoporous Materials, 2008, 111, 97-103.	4.4	34
114	Large pore 3D cubic mesoporous silica HOM-5 for enzyme immobilization. Materials Letters, 2008, 62, 3707-3709.	2.6	10
115	Synthesis and characterization of ultrafine Ni-Co composite powder by freeze-drying. Journal of Alloys and Compounds, 2008, 466, 387-390.	5.5	4
116	Effects of reduction of diameter on microstructure and surface roughness of rotary swaged magnesium by FEA. Transactions of Nonferrous Metals Society of China, 2008, 18, s263-s268.	4.2	5
117	Highly Hydrothermally Stable Microporous Silica Membranes for Hydrogen Separation. Journal of Physical Chemistry B, 2008, 112, 9354-9359.	2.6	66
118	Microstructure and emission properties of nanometer Ce-W material. Journal of Alloys and Compounds, 2007, 438, 202-206.	5.5	9
119	3D finite element modeling of cogging-down rotary swaging of pure magnesium square billet—Revealing the effect of high-frequency pulse stroking. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 464, 28-37.	5.6	28
120	Preparation and characterization of vinyl-functionalized mesoporous SBA-15 silica by a direct synthesis method. Materials Letters, 2007, 61, 1469-1473.	2.6	40
121	Preparation and characterization of periodic mesoporous organosilica terminally functionalized with fluorocarbon groups by a direct synthesis. Journal of Sol-Gel Science and Technology, 2007, 44, 105-110.	2.4	1
122	FEA modeling of effect of axial feeding velocity on strain field of rotary swaging process of pure magnesium. Transactions of Nonferrous Metals Society of China, 2006, 16, 1015-1020.	4.2	24
123	Research and development of Chinese LCA database and LCA software. Rare Metals, 2006, 25, 101-104.	7.1	22
124	Effect of synthesis conditions on the mesoscopical order of mesoporous silica SBA-15 functionalized by amino groups. Journal of Sol-Gel Science and Technology, 2006, 39, 103-109.	2.4	42
125	Preparation and characterization of nanopowder for emission materials by freeze-drying. International Journal of Refractory Metals and Hard Materials, 2006, 24, 210-214.	3.8	17
126	Influence of Different Surfactants on Morphology of Single Crystal Ce ₂ O(CO ₃) ₂ H ₂ O and Formation Mechanism. Chinese Journal of Chemical Physics, 2006, 19, 269-272.	1.3	2

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127	Preparation and characterization of Ce-W composite nanopowder. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 394, 360-365.	5.6	23
128	Study on preparation and emission properties of nano-composite W-La ₂ O ₃ material. Applied Surface Science, 2005, 251, 134-138.	6.1	28
129	Direct synthesis of thiol-ligands-functionalized SBA-15: Effect of 3-mercaptopropyltrimethoxysilane concentration on pore structure. Materials Letters, 2005, 59, 3611-3615.	2.6	40
130	Effect of La, Ce, Y and B addition on thermal stability of unsupported alumina membranes. Journal of Alloys and Compounds, 2005, 387, 292-296.	5.5	23
131	Mesoporous activated alumina layers deposited on FeCrAl metallic substrates by an in situ hydrothermal method. Journal of Alloys and Compounds, 2005, 396, 283-287.	5.5	7
132	Study on preparation and thermionic emission of nanometer rare-earth tungsten emission materials. , 2004, , .		0
133	Ecomaterials research and development activities in China. Current Opinion in Solid State and Materials Science, 2003, 7, 217-223.	11.5	7
134	An accumulative model for the comparative life cycle assessment case study: iron and steel process. International Journal of Life Cycle Assessment, 2002, 7, 225.	4.7	16
135	La-Mo film cathode preparation and analysis in situ. , 0, , .		0
136	The effect of various RRA treatments on the strength and corrosion behavior of a new type of Al-Zn-Mg-Er-Zr alloy. Materials and Corrosion - Werkstoffe Und Korrosion, 0, , .	1.5	1
137	Electrochemical Dissolution Process of Tungsten Carbide in Low Temperature Molten Salt System. Journal of the Electrochemical Society, 0, , .	2.9	0
138	Microstructure and thermal stability of high-temperature titanium alloy with Hf element. Advanced Engineering Materials, 0, , .	3.5	1
139	Novel Styrene-Based Polyamine Sorbent for Efficient Selective Separation of Molybdenum. ACS Omega, 0, , .	3.5	3