

Feng Zheng

List of Publications by Year in descending order

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35
papers

368
citations

932766

10
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887659

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37
times ranked

446
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation and characterization of novel glass-ceramic tile with microwave absorption properties from iron ore tailings. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 378, 367-375.	1.0	46
2	A multifunctional MXene additive for enhancing the mechanical and electrochemical performances of the $\text{LiNi}_{0.8}\text{Co}_{0.1}\text{Mn}_{0.1}\text{O}_2$ cathode in lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4494-4504.	5.2	34
3	Phase equilibria of the system. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2009, 33, 624-627.	0.7	31
4	Effects of ZnO and NiO on material properties of microwave absorptive glass-ceramic tile derived from iron ore tailings. <i>Ceramics International</i> , 2016, 42, 8179-8189.	2.3	23
5	High-throughput measurements of interdiffusivity matrices in face centered cubic Ni-Al-Mo alloys at 1273-1473 K. <i>Journal of Materials Research</i> , 2017, 32, 2188-2201.	1.2	18
6	Polyaniline/silver nanocomposites synthesized via UV-Vis-assisted aniline polymerization with a reversed micellar microemulsion system. <i>Polymer Composites</i> , 2016, 37, 1064-1071.	2.3	17
7	Phase equilibria in the Gd-Ni binary and Mg-Ni-Gd ternary systems. <i>International Journal of Materials Research</i> , 2012, 103, 1179-1187.	0.1	14
8	Polyaniline/Ag nanocomposite synthesized by using aniline as dispersant and stabilizer of nanosilver sol. <i>Journal of Applied Polymer Science</i> , 2013, 128, 3933-3938.	1.3	13
9	Doping effects of cerium ion on structure and electrochemical properties of polyaniline. <i>Polymer International</i> , 2018, 67, 121-126.	1.6	12
10	Thermodynamic modeling of the Hf-Sn and Sn-Y systems. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2012, 39, 91-96.	0.7	10
11	Solvothermal synthesis of solid and hollow CoO nanospheres and their electrochemical properties in lithium-ion battery. <i>Journal of Materials Science</i> , 2013, 48, 342-347.	1.7	10
12	Green up-conversion of Ce^{3+} prepared by co-precipitation method. <i>Journal of Alloys and Compounds</i> , 2015, 642, 7-14.	2.8	10
13	Thermodynamic modeling of the Co-Hf system supported by key experiments and first-principles calculations. <i>Thermochimica Acta</i> , 2015, 608, 49-58.	1.2	10
14	Structure refinement and up-conversion of $\text{Ho}^{3+}/\text{Er}^{3+}$ Co-doped $12\text{CaO}\cdot 7\text{Al}_2\text{O}_3$. <i>Materials and Design</i> , 2016, 108, 93-105.	3.3	10
15	Thermodynamic assessment of La-Si and Mg-La-Si systems. <i>Journal of Alloys and Compounds</i> , 2010, 490, 253-259.	2.8	9
16	Polyaniline/silver/cerium nitrate ternary composite: Synthesis, characterization and enhanced electrochemical properties. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	9
17	Characteristics, Thermodynamics, and Preparation of Nanocaged $12\text{CaO}\cdot 7\text{Al}_2\text{O}_3$ and Its Derivatives. <i>International Journal of Applied Ceramic Technology</i> , 2016, 13, 844-855.	1.1	9
18	Thermodynamic assessment of Sn-Cu-Ce system. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2013, 43, 124-132.	0.7	8

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19	Effect of aging on fracture toughness and stress corrosion cracking resistance of forged 7475 aluminum alloy. Journal Wuhan University of Technology, Materials Science Edition, 2007, 22, 191-195.	0.4	6
20	High temperature electrode reactions of Sr and Mg doped LaGaO ₃ perovskite. Journal of Materials Science, 2008, 43, 2058-2065.	1.7	6
21	Sintering Behavior of Tungsten Heavy Alloy Products Made by Plasma Spray Forming. Materials Transactions, 2011, 52, 759-767.	0.4	6
22	Effects of solution treatment on mechanical properties and microstructures of Al-Li-Cu-Mg-Ag alloy. Journal of Central South University, 2013, 20, 2083-2089.	1.2	6
23	RuO ₂ /Activated Carbon Composite Electrode Prepared by Modified Colloidal Procedure and Thermal Decomposition Method. Journal of Electronic Materials, 2016, 45, 374-378.	1.0	6
24	Mechanical properties of 1 mol% CeO ₂ and 10 mol% Sc ₂ O ₃ co-doped and stabilized ZrO ₂ synthesized through hydro/solve-thermal method. International Journal of Applied Ceramic Technology, 2017, 14, 474-485.	1.1	6
25	Isothermal section of the Al-Dy-Zr ternary system at 773 K. Journal of Alloys and Compounds, 2011, 509, 6190-6195.	2.8	5
26	Effect of Mo on mechanical properties of modified ultrahigh carbon steels after heat-treatment. Journal of Central South University, 2014, 21, 1683-1688.	1.2	5
27	Near-Net-Shape Tungsten–Rhenium Alloy Parts Produced by Plasma Spray Forming and Hot Isostatic Pressing. Materials Transactions, 2014, 55, 713-721.	0.4	5
28	Structure, crystallization and dielectric resonances in 13GHz of waste-derived glass-ceramic. Solid State Sciences, 2016, 62, 56-70.	1.5	4
29	Effects of Precipitant and pH on Coprecipitation of Nanosized Co-Cr-V Alloy Powders. Materials, 2017, 10, 1108.	1.3	4
30	Preparation of polyaniline hollow microspheres/zinc composite and its application in lithium battery. High Performance Polymers, 2019, 31, 178-185.	0.8	4
31	Near-Net-Shape Molybdenum Parts Produced by Plasma Spray Forming. Materials Transactions, 2011, 52, 1269-1275.	0.4	3
32	Composition change and capacitance properties of ruthenium oxide thin film. Journal of Central South University, 2015, 22, 8-13.	1.2	3
33	Characterization of CNT-pyrolytic C-layer-coated Al foil: interfacial structures, reactions, and performances. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	2
34	Silver nanoparticles prepared by using poly(2-acrylamido-2-methylpropane sulphonic acid) as a surfactant. Micro and Nano Letters, 2014, 9, 750-752.	0.6	1
35	Thermodynamics and up-conversion of Cr ³⁺ /Ho ³⁺ Co-doped 12CaO·7Al ₂ O ₃ synthesized in argon. Journal of Alloys and Compounds, 2019, 788, 799-809.	2.8	1