

# Feng Zheng

## List of Publications by Year in descending order

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35  
papers

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933447  
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888059  
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docs citations

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times ranked

446  
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#	ARTICLE	IF	CITATIONS
1	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.	10.3	34
2	Thermodynamics and up-conversion of $\text{Cr}^{3+}/\text{Ho}^{3+}$ Co-doped $12\text{CaO} \cdot 7\text{Al}_2\text{O}_3$ synthesized in argon. <i>Journal of Alloys and Compounds</i> , 2019, 788, 799-809.	5.5	1
3	Preparation of polyaniline hollow microspheres/zinc composite and its application in lithium battery. <i>High Performance Polymers</i> , 2019, 31, 178-185.	1.8	4
4	Doping effects of cerium ion on structure and electrochemical properties of polyaniline. <i>Polymer International</i> , 2018, 67, 121-126.	3.1	12
5	Mechanical properties of 1 mol% $\text{CeO}_2$ –10 mol% $\text{Sc}_2\text{O}_3$ co-doped and stabilized $\text{ZrO}_2$ synthesized through hydro/solve–thermal method. <i>International Journal of Applied Ceramic Technology</i> , 2017, 14, 474-485.	2.1	6
6	High-throughput measurements of interdiffusivity matrices in face centered cubic $\text{Ni–Al–Mo}$ alloys at 1273–1473 K. <i>Journal of Materials Research</i> , 2017, 32, 2188-2201.	2.6	18
7	Characterization of CNT–pyrolytic C-layer-coated Al foil: interfacial structures, reactions, and performances. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	2.3	2
8	Effects of Precipitant and pH on Coprecipitation of Nanosized Co-Cr-V Alloy Powders. <i>Materials</i> , 2017, 10, 1108.	2.9	4
9	Structure, crystallization and dielectric resonances in 2–13 GHz of waste-derived glass-ceramic. <i>Solid State Sciences</i> , 2016, 62, 56-70.	3.2	4
10	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.	7.0	10
11	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.	2.1	9
12	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.	4.8	23
13	$\text{RuO}_2$ /Activated Carbon Composite Electrode Prepared by Modified Colloidal Procedure and Thermal Decomposition Method. <i>Journal of Electronic Materials</i> , 2016, 45, 374-378.	2.2	6
14	Polyaniline/silver nanocomposites synthesized via UV–Vis–assisted aniline polymerization with a reversed micellar microemulsion system. <i>Polymer Composites</i> , 2016, 37, 1064-1071.	4.6	17
15	Polyaniline/silver/cerium nitrate ternary composite: Synthesis, characterization and enhanced electrochemical properties. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	9
16	Green up-conversion of $\text{C12A7–Ho}^{3+}$ prepared by co-precipitation method. <i>Journal of Alloys and Compounds</i> , 2015, 642, 7-14.	5.5	10
17	Composition change and capacitance properties of ruthenium oxide thin film. <i>Journal of Central South University</i> , 2015, 22, 8-13.	3.0	3
18	Thermodynamic modeling of the $\text{Co–Hf}$ system supported by key experiments and first-principles calculations. <i>Thermochimica Acta</i> , 2015, 608, 49-58.	2.7	10

#	ARTICLE	IF	CITATIONS
19	Preparation and characterization of novel glass-ceramic tile with microwave absorption properties from iron ore tailings. Journal of Magnetism and Magnetic Materials, 2015, 378, 367-375.	2.3	46
20	Silver nanoparticles prepared by using poly(2-acrylamido-2-methylpropane sulphonic acid) as a surfactant. Micro and Nano Letters, 2014, 9, 750-752.	1.3	1
21	Effect of Mo on mechanical properties of modified ultrahigh carbon steels after heat-treatment. Journal of Central South University, 2014, 21, 1683-1688.	3.0	5
22	Near-Net-Shape Tungsten&ndash;Rhenium Alloy Parts Produced by Plasma Spray Forming and Hot Isostatic Pressing. Materials Transactions, 2014, 55, 713-721.	1.2	5
23	Solvothermal synthesis of solid and hollow CoO nanospheres and their electrochemical properties in lithium-ion battery. Journal of Materials Science, 2013, 48, 342-347.	3.7	10
24	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.	3.0	6
25	Thermodynamic assessment of Sn-Cu-Ce system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2013, 43, 124-132.	1.6	8
26	Polyaniline/Ag nanocomposite synthesized by using aniline as dispersant and stabilizer of nanosilver sol. Journal of Applied Polymer Science, 2013, 128, 3933-3938.	2.6	13
27	Phase equilibria in the Gd-Ni binary and Mg-Ni-Gd ternary systems. International Journal of Materials Research, 2012, 103, 1179-1187.	0.3	14
28	Thermodynamic modeling of the Hf-Sn and Sn-Y systems. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2012, 39, 91-96.	1.6	10
29	Isothermal section of the Al-Dy-Zr ternary system at 773 K. Journal of Alloys and Compounds, 2011, 509, 6190-6195.	5.5	5
30	Near-Net-Shape Molybdenum Parts Produced by Plasma Spray Forming. Materials Transactions, 2011, 52, 1269-1275.	1.2	3
31	Sintering Behavior of Tungsten Heavy Alloy Products Made by Plasma Spray Forming. Materials Transactions, 2011, 52, 759-767.	1.2	6
32	Thermodynamic assessment of La-Si and Mg-La-Si systems. Journal of Alloys and Compounds, 2010, 490, 253-259.	5.5	9
33	Phase equilibria of the system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2009, 33, 624-627.	1.6	31
34	High temperature electrode reactions of Sr and Mg doped LaGaO3 perovskite. Journal of Materials Science, 2008, 43, 2058-2065.	3.7	6
35	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.	1.0	6