Zhiyuan Liu

List of Publications by Year in descending order

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ΖΗΙΥΠΑΝΤΗ

#	Article	IF	CITATIONS
1	Cr3+ substituted spinel ZnFe2O4 ferrites obtained via a hydrothermal process: structural and magnetic properties. Journal of Materials Science: Materials in Electronics, 2021, 32, 12725-12731.	2.2	0
2	Synergistic Optimization of Electrical–Thermal–Mechanical Properties of the In-Filled CoSb ₃ Material by Introducing Bi _{0.5} Sb _{1.5} Te ₃ Nanoparticles. ACS Applied Materials & Interfaces, 2021, 13, 23894-23904.	8.0	13
3	Microstructural analysis and thermoelectric properties of skutterudite CoSb3 materials produced by melt spinning and spark plasma sintering. Ceramics International, 2021, 47, 24916-24916.	4.8	3
4	Effects of Magnetization on Thermoelectric Transport Properties of CoSb3 Material. Journal Wuhan University of Technology, Materials Science Edition, 2021, 36, 353-357.	1.0	4
5	Research progress of p-type Fe-based skutterudite thermoelectric materials. Frontiers of Materials Science, 2021, 15, 317-333.	2.2	13
6	Effects of nonstoichiometry on thermoelectric properties of CoSi-based materials. Journal of Materials Science: Materials in Electronics, 2020, 31, 2139-2144.	2.2	5
7	A review of CoSb3-based skutterudite thermoelectric materials. Journal of Advanced Ceramics, 2020, 9, 647-673.	17.4	105
8	Rapid fabrication of pure p-type filled skutterudites with enhanced thermoelectric properties via a reactive liquid-phase sintering. Journal of Materials Science, 2020, 55, 7432-7440.	3.7	9
9	Highly Efficient MnO ₂ /AlOOH Composite Catalyst for Indoor Low-Concentration Formaldehyde Removal at Room Temperature. Inorganic Chemistry, 2020, 59, 7335-7343.	4.0	21
10	Ultrafast Synthesis of Te-Doped CoSb ₃ with Excellent Thermoelectric Properties. ACS Applied Energy Materials, 2019, 2, 4477-4485.	5.1	25
11	Effects of sintering temperature on microstructure and thermoelectric properties of Ce-filled Fe4Sb12 skutterudites. Journal of Materials Science: Materials in Electronics, 2019, 30, 12493-12499.	2.2	12
12	Candidate for Magnetic Doping Agent and High-Temperature Thermoelectric Performance Enhancer: Hard Magnetic M-type BaFe ₁₂ O ₁₉ Nanometer Suspension. ACS Applied Materials & Interfaces, 2019, 11, 45875-45884.	8.0	20
13	Superparamagnetic enhancement of thermoelectric performance. Nature, 2017, 549, 247-251.	27.8	472
14	Magnetoelectric interaction and transport behaviours in magnetic nanocomposite thermoelectric materials. Nature Nanotechnology, 2017, 12, 55-60.	31.5	216
15	Study on the Mechanism of Interaction Between Tubeimoside I and Human Serum Albumin at Different Temperatures by Three-Dimensional Fluorescence Spectrum. International Journal of Thermophysics, 2015, 36, 919-923.	2.1	3
16	Removal of dissolved inorganic carbon in the Yellow River Estuary. Limnology and Oceanography, 2014, 59, 413-426.	3.1	41