

# Zhiyuan Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

962  
citations

1051969

10  
h-index

1113639

15  
g-index

16  
all docs

16  
docs citations

16  
times ranked

1162  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cr <sup>3+</sup> substituted spinel ZnFe <sub>2</sub> O <sub>4</sub> ferrites obtained via a hydrothermal process: structural and magnetic properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 12725-12731.	1.1	0
2	Synergistic Optimization of Electricalâ€“Thermalâ€“Mechanical Properties of the In-Filled CoSb <sub>3</sub> Material by Introducing Bi <sub>0.5</sub> Sb <sub>1.5</sub> Te <sub>3</sub> Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 23894-23904.	4.0	13
3	Microstructural analysis and thermoelectric properties of skutterudite CoSb <sub>3</sub> materials produced by melt spinning and spark plasma sintering. <i>Ceramics International</i> , 2021, 47, 24916-24916.	2.3	3
4	Effects of Magnetization on Thermoelectric Transport Properties of CoSb <sub>3</sub> Material. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2021, 36, 353-357.	0.4	4
5	Research progress of p-type Fe-based skutterudite thermoelectric materials. <i>Frontiers of Materials Science</i> , 2021, 15, 317-333.	1.1	13
6	Effects of nonstoichiometry on thermoelectric properties of CoSi-based materials. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 2139-2144.	1.1	5
7	A review of CoSb <sub>3</sub> -based skutterudite thermoelectric materials. <i>Journal of Advanced Ceramics</i> , 2020, 9, 647-673.	8.9	105
8	Rapid fabrication of pure p-type filled skutterudites with enhanced thermoelectric properties via a reactive liquid-phase sintering. <i>Journal of Materials Science</i> , 2020, 55, 7432-7440.	1.7	9
9	Highly Efficient MnO <sub>2</sub> /AlOOH Composite Catalyst for Indoor Low-Concentration Formaldehyde Removal at Room Temperature. <i>Inorganic Chemistry</i> , 2020, 59, 7335-7343.	1.9	21
10	Ultrafast Synthesis of Te-Doped CoSb <sub>3</sub> with Excellent Thermoelectric Properties. <i>ACS Applied Energy Materials</i> , 2019, 2, 4477-4485.	2.5	25
11	Effects of sintering temperature on microstructure and thermoelectric properties of Ce-filled Fe <sub>4</sub> Sb <sub>12</sub> skutterudites. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 12493-12499.	1.1	12
12	Candidate for Magnetic Doping Agent and High-Temperature Thermoelectric Performance Enhancer: Hard Magnetic M-type BaFe <sub>12</sub> O <sub>19</sub> Nanometer Suspension. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 45875-45884.	4.0	20
13	Superparamagnetic enhancement of thermoelectric performance. <i>Nature</i> , 2017, 549, 247-251.	13.7	472
14	Magnetolectric interaction and transport behaviours in magnetic nanocomposite thermoelectric materials. <i>Nature Nanotechnology</i> , 2017, 12, 55-60.	15.6	216
15	Study on the Mechanism of Interaction Between Tubeimoside I and Human Serum Albumin at Different Temperatures by Three-Dimensional Fluorescence Spectrum. <i>International Journal of Thermophysics</i> , 2015, 36, 919-923.	1.0	3
16	Removal of dissolved inorganic carbon in the Yellow River Estuary. <i>Limnology and Oceanography</i> , 2014, 59, 413-426.	1.6	41