

# Ping Zhang

## List of Publications by Year in descending order

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11  
papers

230  
citations

1163117  
8  
h-index

1281871  
11  
g-index

11  
all docs

11  
docs citations

11  
times ranked

120  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-entropy (Ca <sub>0.2</sub> Sr <sub>0.2</sub> Ba <sub>0.2</sub> La <sub>0.2</sub> Pb <sub>0.2</sub> )TiO <sub>3</sub> perovskite ceramics with A-site short-range disorder for thermoelectric applications. <i>Journal of Materials Science and Technology</i> , 2022, 97, 182-189.	10.7	62
2	Reduced lattice thermal conductivity of perovskite-type high-entropy (Ca <sub>0.25</sub> Sr <sub>0.25</sub> Ba <sub>0.25</sub> RE <sub>0.25</sub> )TiO <sub>3</sub> ceramics by phonon engineering for thermoelectric applications. <i>Journal of Alloys and Compounds</i> , 2022, 898, 162858.	5.5	36
3	A novel high-entropy perovskite ceramics Sr <sub>0.9</sub> La <sub>0.1</sub> (Zr <sub>0.25</sub> Sn <sub>0.25</sub> Ti <sub>0.25</sub> Hf <sub>0.25</sub> )O <sub>3</sub> with low thermal conductivity and high Seebeck coefficient. <i>Journal of the European Ceramic Society</i> , 2022, 42, 3480-3488.	5.7	36
4	Enhancement of Thermoelectric Performance of Sr <sub>0.9</sub> La <sub>0.1</sub> TiO <sub>3</sub> -Based Ceramics Regulated by Nanostructures. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 53899-53909.	8.0	24
5	Enhanced thermoelectric performance of Ca <sub>3</sub> Co <sub>4</sub> O <sub>9</sub> ceramics through grain orientation and interface modulation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 19561-19572.	10.3	24
6	Boosting the Thermoelectric Performance of Calcium Cobaltite Composites through Structural Defect Engineering. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 21623-21632.	8.0	18
7	Microstructure and thermoelectric properties of Sr <sub>0.9</sub> La <sub>0.1</sub> TiO <sub>3</sub> /TiO <sub>2</sub> biphasic composite ceramics. <i>Journal of Alloys and Compounds</i> , 2021, 861, 158552.	5.5	10
8	Effect of La <sup>3+</sup> , Ag <sup>+</sup> and Bi <sup>3+</sup> doping on thermoelectric properties of SrTiO <sub>3</sub> : First-principles investigation. <i>Ceramics International</i> , 2022, 48, 13803-13816.	4.8	10
9	Rattler effect on the properties of multicomponent rare-earth-zirconate ceramics. <i>Ceramics International</i> , 2022, 48, 28586-28594.	4.8	5
10	Microstructure and thermoelectric performance of La-doped (Ca <sub>0.9</sub> Ag <sub>0.1</sub> ) <sub>3</sub> Co <sub>4</sub> O <sub>9</sub> /nano-sized Ag composite ceramics. <i>International Journal of Ceramic Engineering &amp; Science</i> , 2020, 2, 7-16.	1.2	3
11	First principles study of structure and property of Nb <sup>5+</sup> -doped SrTiO <sub>3</sub> . <i>Wuli Xuebao/Acta Physica Sinica</i> , 2021, 70, 227101.	0.5	2