

# Pengfei Wen

## List of Publications by Year in descending order

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14  
papers

132  
citations

1478505

6  
h-index

1281871

11  
g-index

14  
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14  
docs citations

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times ranked

173  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of Different Excitation Schemes in Bimodal Atomic Force Microscopy in Air and Liquid Environments. <i>Acta Mechanica Solida Sinica</i> , 2021, 34, 163-173.	1.9	3
2	Influence of graphene oxide nanosheets and multi-walled carbon nanotubes on the thermoelectric and mechanical properties of Mg <sub>2</sub> (Si <sub>0.3</sub> Sn <sub>0.7</sub> ) <sub>0.99</sub> Sb <sub>0.01</sub> . <i>Scripta Materialia</i> , 2021, 203, 114103.	5.2	7
3	The thermoelectric and mechanical properties of Mg <sub>2</sub> (Si <sub>0.3</sub> Sn <sub>0.7</sub> ) <sub>0.99</sub> Sb <sub>0.01</sub> prepared by one-step solid state reaction combined with hot-pressing. <i>Journal of Alloys and Compounds</i> , 2021, 881, 160546.	5.5	3
4	Synergistic enhancement effect of SiC whisker and nano-particle on mechanical properties of Co <sub>4</sub> Sb <sub>11.5</sub> Te <sub>0.5</sub> skutterudite. <i>Scripta Materialia</i> , 2020, 185, 66-70.	5.2	13
5	Power transfer in bimodal amplitude modulation atomic force microscopy in liquids: A numerical investigation. <i>AIP Advances</i> , 2019, 9, 025305.	1.3	1
6	Enhanced thermoelectric performance of Te-doped skutterudite with nano-micro-porous architecture. <i>Scripta Materialia</i> , 2019, 159, 68-71.	5.2	18
7	Enhanced thermoelectric figure of merit of Co <sub>4</sub> Sb <sub>11.5</sub> Te <sub>0.5</sub> via a two-pronged strategy combining grain refinement and nano-inclusions. <i>Materials Letters</i> , 2018, 223, 190-193.	2.6	3
8	Effects of sintering temperature on the microstructure and thermoelectric properties of mesostructured Co <sub>4</sub> Sb <sub>11.5</sub> Te <sub>0.5</sub> skutterudites dispersed nano-TiN. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 18105-18110.	2.2	3
9	Amplitude modulation atomic force microscopy based on higher flexural modes. <i>AIP Advances</i> , 2017, 7, 125319.	1.3	1
10	The Microstructure and Thermoelectric Properties of Yb-Filled Skutterudite Yb <sub>0.1</sub> Co <sub>4</sub> Sb <sub>12</sub> Under Cyclic Thermal Loading. <i>Journal of Materials Engineering and Performance</i> , 2016, 25, 4764-4768.	2.5	4
11	Effects of Nano- $\hat{\pm}$ -Al <sub>2</sub> O <sub>3</sub> Dispersion on the Thermoelectric and Mechanical Properties of CoSb <sub>3</sub> Composites. <i>Journal of Materials Engineering and Performance</i> , 2013, 22, 3561-3565.	2.5	14
12	Effect of thermal annealing on the microstructure and thermoelectric properties of nano-TiN/Co <sub>4</sub> Sb <sub>11.5</sub> Te <sub>0.5</sub> composites. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 5155-5161.	2.2	8
13	Enhanced thermoelectric and mechanical properties of Te-substituted skutterudite via nano-TiN dispersion. <i>Scripta Materialia</i> , 2012, 67, 372-375.	5.2	43
14	Effect of Cyclic Thermal Loading on the Microstructure and Thermoelectric Properties of CoSb <sub>3</sub> . <i>Journal of Electronic Materials</i> , 2009, 38, 1200-1205.	2.2	11