

Hengyang Wang

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Facile <i>in situ</i> solution synthesis of SnSe/rGO nanocomposites with enhanced thermoelectric performance. <i>Journal of Materials Chemistry A</i> , 2020, 8, 1394-1402.	10.3	117
2	Constructing n-type Ag ₂ Se/CNTs composites toward synergistically enhanced thermoelectric and mechanical performance. <i>Acta Materialia</i> , 2022, 223, 117502.	7.9	48
3	General surfactant-free synthesis of binary silver chalcogenides with tuneable thermoelectric properties. <i>Chemical Engineering Journal</i> , 2020, 393, 124763.	12.7	33
4	Achieving Enhanced Thermoelectric Performance in (SnTe) _{1-x} (Sb ₂ Te ₃) _x and (SnTe) _{1-y} (Sb ₂ Se ₃) _y Synthesized via Solvothermal Reaction and Sintering. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 44805-44814.	8.0	26
5	Facile microwave-assisted hydrothermal synthesis of SnSe: impurity removal and enhanced thermoelectric properties. <i>Journal of Materials Chemistry C</i> , 2020, 8, 10333-10341.	5.5	18
6	Realizing Enhanced Thermoelectric Performance and Hardness in Icosahedral Cu ₅ FeS ₄ ⁺ _x Se _x with High-Density Twin Boundaries. <i>Small</i> , 2022, 18, e2104592.	10.0	15
7	Ultralow Lattice Thermal Conductivity of Cubic CuFeS ₂ Induced by Atomic Disorder. <i>Chemistry of Materials</i> , 2021, 33, 9795-9802.	6.7	15
8	Simultaneously optimized thermoelectric and mechanical performance of p-type polycrystalline SnSe enabled by CNTs addition. <i>Scripta Materialia</i> , 2022, 218, 114846.	5.2	11
9	Phase Tuning for Enhancing the Thermoelectric Performance of Solution-Synthesized Cu ₂ âˆ“xS. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 39541-39549.	8.0	8