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A record thermoelectric efficiency in tellurium-free modules for low-grade waste heat recovery.

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#	Paper	IF	Citations
44	Understanding the High Thermoelectric Performance of Mg ₃ Sb ₂ -Mg ₃ Bi ₂ Alloys. <i>Advanced Energy and Sustainability Research</i> , 2100208	1.6	2
43	Thermoelectric Performance Optimization of n-Type La ₃ Sm _x Te ₄ /Ni Composites via Sm Doping. <i>Energies</i> , 2022 , 15, 2353	3.1	
42	Mg ₃ (Bi, Sb) ₂ -based thermoelectric modules towards near-room temperature cooling and power generation. <i>Journal of Materiomics</i> , 2022 ,	6.7	1
41	High figure-of-merit and power generation in high-entropy GeTe-based thermoelectrics. <i>Science</i> , 2022 , 377, 208-213	33.3	27
40	Challenges and strategies to optimize the figure of merit: Keeping eyes on thermoelectric metamaterials. <i>Materials Science in Semiconductor Processing</i> , 2022 , 150, 106944	4.3	1
39	Enhancing the thermoelectric performance of Sb ₂ Si ₂ Te ₆ by germanium doping.		
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37	Charge Regulation and pH Effects on Thermo-Osmotic Conversion. 2022 , 12, 2774		0
36	High performance of Bi ₂ Te ₃ -based thermoelectric generator owing to pressure in fabrication process. 2022 , 326, 119959		0
35	High Thermoelectric Properties of Janus WSeS Bilayer Membranes with Different Stacking Modes. 2022 , 51, 6320-6332		0
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32	Self-Powered Thermoelectric Hydrogen Sensors Based on Low-Cost Bismuth Sulfide Thin Films: Quick Response at Room Temperature. 2022 , 14, 47696-47705		0
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30	Take it to the Carnot limit: Perspectives and thermodynamics of dual-cell electrochemical heat engines. 2022 , 271, 116315		0
29	Interface and Surface Engineering Realized High Efficiency of 13% and Improved Thermal Stability in Mg ₃ Sb _{1.5} Bi _{0.5} -Based Thermoelectric Generation Devices. 2203039		0
28	Reduced Graphene Oxides Modified Bi ₂ Te ₃ Nanosheets for Rapid Photo-Thermoelectric Catalytic Therapy of Bacteria-Infected Wounds. 2210098		0

- 27 A prediction model for a concentrating solar thermoelectric generator using artificial neural networks and extreme learning machines. ○
- 26 High performance GeTe thermoelectrics enabled by lattice strain construction. **2023**, 244, 118565 ○
- 25 Enhancing the thermal stability of n-type $\text{Mg}_{3+x}\text{Sb}_{1.5}\text{Bi}_{0.49}\text{Te}_{0.01}$ by defect manipulation. **2023**, 106, 108036 ○
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- 23 Realizing n-type CdSb with promising thermoelectric performance. **2023**, 144, 54-61 ○
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- 21 Enhanced Thermoelectric Performance of p-Type Mg_3Sb_2 for Reliable and Low-Cost all- Mg_3Sb_2 -Based Thermoelectric Low-Grade Heat Recovery. 2210016 ○
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- 19 Recent Progress in Cyclic Aryliodonium Chemistry: Syntheses and Applications. 1
- 18 Physics-guided co-designing flexible thermoelectrics with techno-economic sustainability for low-grade heat harvesting. **2023**, 9, ○
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- 3 Optimizing the output performance and parasitic depletion of Bi_2Te_3 -based thermoelectric generators by using a high-density approach. ○
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