

Wu Gang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Refined band structure plus enhanced phonon scattering realizes thermoelectric performance optimization in Cu ²⁺ /Mn codoped SnTe. <i>Journal of Materials Chemistry A</i> , 2021, 9, 13065-13070.	10.3	30
2	Enhanced Thermoelectric and Mechanical Performances in Sintered Bi _{0.48} Sb _{1.52} Te ₃ -AgSbSe ₂ Composite. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 24937-24944.	8.0	23
3	Optimized Thermoelectric Properties of Bi _{0.48} Sb _{1.52} Te ₃ through AgCuTe Doping for Low-Grade Heat Harvesting. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 57514-57520.	8.0	19
4	Assessment of Freeze-Thaw Hazards and Water Features along the China-Russia Crude Oil Pipeline in Permafrost Regions. <i>Remote Sensing</i> , 2020, 12, 3576.	4.0	15
5	Deformation Monitoring in an Alpine Mining Area in the Tianshan Mountains Based on SBAS-InSAR Technology. <i>Advances in Materials Science and Engineering</i> , 2021, 2021, 1-15.	1.8	14
6	Sleeping Heart Monitoring Using Hydrogel-Textile Capacitive ECG Electrodes. <i>IEEE Sensors Journal</i> , 2022, 22, 9255-9267.	4.7	12
7	A high-efficiency GeTe-based thermoelectric module for low-grade heat recovery. <i>Journal of Materials Chemistry A</i> , 2022, 10, 7677-7683.	10.3	9
8	Synergistically Optimized Thermal Conductivity and Carrier Concentration in GeTe by Bi-Se Codoping. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 14359-14366.	8.0	9
9	Real-Time Plasmonic Imaging of the Compositional Evolution of Single Nanoparticles in Electrochemical Reactions. <i>Nano Letters</i> , 2022, 22, 4383-4391.	9.1	9
10	Synergistic Manipulation of Interdependent Thermoelectric Parameters in SnTe-AgBiTe ₂ Alloys by Mn Doping. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 29032-29038.	8.0	8
11	Proposal of a New Method for Controlling the Thaw of Permafrost around the China-Russia Crude Oil Pipeline and a Preliminary Study of Its Ventilation Capacity. <i>Water (Switzerland)</i> , 2021, 13, 2908.	2.7	7
12	A novel freezing point determination method for oil-contaminated soils based on electrical resistance measurement and its influencing factors. <i>Science of the Total Environment</i> , 2020, 721, 137821.	8.0	6
13	Unusually high Seebeck coefficient arising from temperature-dependent carrier concentration in PbSe-AgSbSe ₂ alloys. <i>Journal of Materials Chemistry C</i> , 2021, 9, 17365-17370.	5.5	5
14	Optimized thermoelectric properties of Bi _{0.48} Sb _{1.52} Te ₃ /BN composites. <i>Journal of Materials Chemistry C</i> , 2022, 10, 3172-3177.	5.5	5