Yuan Wang

List of Publications by Year
in descending order

10 papers	888 citations	933447 10 h-index	1372567 10 g-index
10 all docs	10 docs citations	10 times ranked	919 citing authors

#	Article	IF	Citations
1	Optimizing Electronic Quality Factor toward Highâ€Performance Ge_{1â^'}_x_{â^'}_yTa_xSb_y₂Te Thermoelectrics: The Role of Transition Metal Doping. Advanced Materials, 2021, 33, e2102575.	27.4	41
2	Biodegradable shape memory alloys: Progress and prospects. Biomaterials, 2021, 279, 121215.	11.4	19
3	Enhanced thermoelectric properties of nanostructured n-type Bi2Te3 by suppressing Te vacancy through non-equilibrium fast reaction. Chemical Engineering Journal, 2020, 391, 123513.	12.7	108
4	Hierarchical Structuring to Break the Amorphous Limit of Lattice Thermal Conductivity in High-Performance SnTe-Based Thermoelectrics. ACS Applied Materials & Interfaces, 2020, 12, 36370-36379.	8.0	20
5	High Porosity in Nanostructured n-Type Bi₂Te₃ Obtaining Ultralow Lattice Thermal Conductivity. ACS Applied Materials & Interfaces, 2019, 11, 31237-31244.	8.0	91
6	Enhancing Thermoelectric Properties of InTe Nanoprecipitate-Embedded Sn_{1â€“x}In_xTe Microcrystals through Anharmonicity and Strain Engineering. ACS Applied Energy Materials, 2019, 2, 2965-2971.	5.1	43
7	Nanoscale pores plus precipitates rendering high-performance thermoelectric SnTe1-xSex with refined band structures. Nano Energy, 2019, 60, 1-7.	16.0	86
8	Strong Phononâ€“Phonon Interactions Securing Extraordinary Thermoelectric Ge_{1â€“x}Sb_xTe with Zn-Alloying-Induced Band Alignment. Journal of the American Chemical Society, 2019, 141, 1742-1748.	13.7	199
9	Arrays of Planar Vacancies in Superior Thermoelectric Ge_{1â^'}_x_{â^'}_yCd_xBi_y₂Te with Band Convergence. Advanced Energy Materials, 2018, 8, 1801837.	19.5	161
10	Realizing High Thermoelectric Performance in nâ€Type Highly Distorted Sbâ€Doped SnSe Microplates via Tuning High Electron Concentration and Inducing Intensive Crystal Defects. Advanced Energy Materials, 2018, 8, 1800775.	19.5	120