Jin-Feng Dong

List of Publications by Year
in descending order

36	2,271	304743	361022
papers	citations	22 h-index	35 g-index

36	36	36	1826
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High thermoelectric performance in low-cost SnS _{0.91} Se _{0.09} crystals. Science, 2019, 365, 1418-1424.	12.6	395
2	Power generation and thermoelectric cooling enabled by momentum and energy multiband alignments. Science, 2021, 373, 556-561.	12.6	270
3	Medium-temperature thermoelectric GeTe: vacancy suppression and band structure engineering leading to high performance. Energy and Environmental Science, 2019, 12, 1396-1403.	30.8	233
4	Meltâ€Centrifuged (Bi,Sb)₂Te₃: Engineering Microstructure toward High Thermoelectric Efficiency. Advanced Materials, 2018, 30, e1802016.	21.0	133
5	Enhanced mid-temperature thermoelectric performance of textured SnSe polycrystals made of solvothermally synthesized powders. Journal of Materials Chemistry C, 2016, 4, 2047-2055.	5.5	122
6	Local Structure Heterogeneity in Sm-Doped AgNbO₃ for Improved Energy-Storage Performance. ACS Applied Materials & Interfaces, 2020, 12, 6097-6104.	8.0	110
7	Graphene network in copper sulfide leading to enhanced thermoelectric properties and thermal stability. Nano Energy, 2018, 49, 267-273.	16.0	108
8	Remarkable electron and phonon band structures lead to a high thermoelectric performance ZT > 1 in earth-abundant and eco-friendly SnS crystals. Journal of Materials Chemistry A, 2018, 6, 10048-10056.	10.3	90
9	Thermoelectric Performance Enhancement in BiSbTe Alloy by Microstructure Modulation via Cyclic Spark Plasma Sintering with Liquid Phase. Advanced Functional Materials, 2021, 31, 2009681.	14.9	84
10	Thermoelectric materials and transport physics. Materials Today Physics, 2021, 21, 100519.	6.0	77
11	Thermoelectric Cu-doped (Bi,Sb)2Te3: Performance enhancement and stability against high electric current pulse. Nano Energy, 2019, 60, 857-865.	16.0	48
12	Powder metallurgically synthesized Cu₁₂Sb₄S₁₃tetrahedrites: phase transition and high thermoelectricity. RSC Advances, 2017, 7, 18909-18916.	3.6	41
13	Enhanced performance of thermoelectric nanocomposites based on Cu12Sb4S13 tetrahedrite. Nano Energy, 2019, 57, 835-841.	16.0	41
14	Highly Textured N-Type SnSe Polycrystals with Enhanced Thermoelectric Performance. Research, 2019, 2019, 9253132.	5.7	39
15	High Thermoelectric Performance through Crystal Symmetry Enhancement in Triply Doped Diamondoid Compound Cu₂SnSe₃. Advanced Energy Materials, 2021, 11, 2100661.	19.5	39
16	Significant Enhancement of the Thermoelectric Performance of Higher Manganese Silicide by Incorporating MnTe Nanophase Derived from Te Nanowire. Chemistry of Materials, 2017, 29, 7378-7389.	6.7	36
17	Lead-free MnTe mid-temperature thermoelectric materials: facile synthesis, p-type doping and transport properties. Journal of Materials Chemistry C, 2018, 6, 4265-4272.	5.5	36
18	Practical High-Performance (Bi,Sb)₂Te₃-Based Thermoelectric Nanocomposites Fabricated by Nanoparticle Mixing and Scrap Recycling. ACS Applied Materials & Interfaces, 2020, 12, 16426-16435.	8.0	33

#	Article	IF	Citations
19	Influence of dislocations on thermal conductivity of strontium titanate. Applied Physics Letters, 2020, 117, .	3.3	32
20	Control of the Thermoelectric Properties of Mg2Sn Single Crystals via Point-Defect Engineering. Scientific Reports, 2020, 10, 2020.	3.3	32
21	Reducing Lattice Thermal Conductivity of MnTe by Se Alloying toward High Thermoelectric Performance. ACS Applied Materials & Interfaces, 2019, 11, 28221-28227.	8.0	29
22	Enhancing the thermoelectric performance of Cu_{1.8}S by Sb/Sn co-doping and incorporating multiscale defects to scatter heat-carrying phonons. Journal of Materials Chemistry C, 2019, 7, 4026-4031.	5.5	29
23	Nanostructure Engineering and Performance Enhancement in Fe₂O₃-Dispersed Cu₁₂Sb₄S₁₃ Thermoelectric Composites with Earth-Abundant Elements. ACS Applied Materials & Interfaces, 2020, 12, 17852-17860.	8.0	22
24	Enhancing the Thermoelectric Performance of Mg₂Sn Single Crystals via Point Defect Engineering and Sb Doping. ACS Applied Materials & Interfaces, 2020, 12, 57888-57897.	8.0	21
25	Enhanced thermoelectric performance of Cu12Sb4S13â˜Ï´ tetrahedrite via nickel doping. Science China Materials, 2018, 61, 1209-1217.	6.3	20
26	Adjusting Na doping via wet-chemical synthesis to enhance thermoelectric properties of polycrystalline SnS. Science China Materials, 2019, 62, 1005-1012.	6.3	20
27	High-performance electron-doped GeMnTe₂: hierarchical structure and low thermal conductivity. Journal of Materials Chemistry A, 2019, 7, 27361-27366.	10.3	20
28	Enhanced near-room-temperature thermoelectric performance in GeTe. Rare Metals, 2022, 41, 3027-3034.	7.1	17
29	MnS Incorporation into Higher Manganese Silicide Yields a Green Thermoelectric Composite with High Performance/Price Ratio. Advanced Science, 2018, 5, 1800626.	11.2	16
30	Effects of Disorder on the Electronic Structure and Thermoelectric Properties of an Inverse Full-Heusler Mn₂CoAl Alloy. Chemistry of Materials, 2021, 33, 2543-2547.	6.7	16
31	Weak-ferromagnetism for room temperature thermoelectric performance enhancement in p-type (Bi,Sb)2Te3. Materials Today Physics, 2021, 19, 100423.	6.0	15
32	Enhanced thermoelectric properties of p-type SnS0.2Se0.8 solid solution doped with Ag. Journal of Alloys and Compounds, 2018, 745, 172-178.	5.5	14
33	(Bi,Sb)2Te3/SiC nanocomposites with enhanced thermoelectric performance: Effect of SiC nanoparticle size and compositional modulation. Science China Materials, 2021, 64, 2551-2562.	6.3	13
34	Enhanced thermoelectric performance in MnTe due to doping and in-situ nanocompositing effects by Ag2S addition. Journal of Materiomics, 2021, 7, 577-584.	5.7	11
35	ZnO-Nanoparticle-Dispersed Cu11.5Ni0.5Sb4S13â˜Ï´ Tetrahedrite Composites with Enhanced Thermoelectric Performance. Journal of Electronic Materials, 2019, 48, 1840-1845.	2.2	9
36	Upcycling Silicon Photovoltaic Waste into Thermoelectrics (Adv. Mater. 19/2022). Advanced Materials, 2022, 34, .	21.0	0