

Qingfeng Song

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,855
citations

361413

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552781

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26
docs citations

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times ranked

1532
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced thermal stability and oxidation resistance in La ₃ -Te ₄ by compositing metallic nickel particles. <i>Acta Materialia</i> , 2022, 224, 117526.	7.9	6
2	Thermoelectric Performance Optimization of n-Type La _{3-x} Sm _x Te ₄ /Ni Composites via Sm Doping. <i>Energies</i> , 2022, 15, 2353.	3.1	1
3	High efficiency GeTe-based materials and modules for thermoelectric power generation. <i>Energy and Environmental Science</i> , 2021, 14, 995-1003.	30.8	101
4	Ultralow Lattice Thermal Conductivity and Superhigh Thermoelectric Figure of Merit in (Mg, Bi) Co-doped GeTe. <i>Advanced Materials</i> , 2021, 33, e2008773.	21.0	112
5	Synergistically Optimized Electrical and Thermal Transport Properties in Copper Phthalocyanine-Based Organic Small Molecule with Nanoscale Phase Separations. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 15064-15072.	8.0	5
6	Thermoelectric materials with crystal-amorphicity duality induced by large atomic size mismatch. <i>Joule</i> , 2021, 5, 1183-1195.	24.0	27
7	Crystal Structure and Thermoelectric Properties of Cu ₂ Fe _{1-x} Mn _x Sn ₄ Diamond-like Chalcogenides. <i>ACS Applied Energy Materials</i> , 2020, 3, 2137-2146.	5.1	15
8	Stacking faults modulation for scattering optimization in GeTe-based thermoelectric materials. <i>Nano Energy</i> , 2020, 68, 104347.	16.0	77
9	Discovery of high-performance thermoelectric copper chalcogenide using modified diffusion-couple high-throughput synthesis and automated histogram analysis technique. <i>Energy and Environmental Science</i> , 2020, 13, 3041-3053.	30.8	43
10	Number mismatch between cations and anions as an indicator for low lattice thermal conductivity in chalcogenides. <i>Npj Computational Materials</i> , 2020, 6, .	8.7	13
11	Copper chalcogenide thermoelectric materials. <i>Science China Materials</i> , 2019, 62, 8-24.	6.3	111
12	Ru Alloying Induced Enhanced Thermoelectric Performance in FeSi ₂ -Based Compounds. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 32151-32158.	8.0	17
13	Are Cu ₂ Te-Based Compounds Excellent Thermoelectric Materials?. <i>Advanced Materials</i> , 2019, 31, e1903480.	21.0	72
14	Flexible thermoelectrics: from silver chalcogenides to full-inorganic devices. <i>Energy and Environmental Science</i> , 2019, 12, 2983-2990.	30.8	188
15	Thermoelectric properties of non-stoichiometric Cu _{2-x} Sn _{1-x} S ₃ compounds. <i>Journal of Applied Physics</i> , 2019, 126, .	2.5	35
16	Thermoelectric properties of n-type Cu ₄ Sn ₇ S ₁₆ -based compounds. <i>RSC Advances</i> , 2019, 9, 7826-7832.	3.6	26
17	Aguilarite Ag ₄ SSe Thermoelectric Material: Natural Mineral with Low Lattice Thermal Conductivity. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 12632-12638.	8.0	30
18	Superior performance and high service stability for GeTe-based thermoelectric compounds. <i>National Science Review</i> , 2019, 6, 944-954.	9.5	96

#	ARTICLE	IF	CITATIONS
19	Improved Thermoelectric Performance in Nonstoichiometric $\text{Cu}_{2-x}\text{Mn}_{1-x}\text{SnSe}_4$ Quaternary Diamondlike Compounds. ACS Applied Materials & Interfaces, 2018, 10, 10123-10131.	8.0	24
20	Intrinsically High Thermoelectric Performance in AgInSe_2 n-Type Diamondlike Compounds. Advanced Science, 2018, 5, 1700727.	11.2	66
21	Cu_8GeSe_6 -based thermoelectric materials with an argyrodite structure. Journal of Materials Chemistry C, 2017, 5, 943-952.	5.5	93
22	Ultrahigh thermoelectric performance in $\text{Cu}_{2-x}\text{Se}_{0.5}\text{S}_{0.5}$ liquid-like materials. Materials Today Physics, 2017, 1, 14-23.	6.0	130
23	Enhanced Thermoelectric Performance through Tuning Bonding Energy in $\text{Cu}_2\text{Se}_{1-x}\text{S}_x$ Liquid-like Materials. Chemistry of Materials, 2017, 29, 6367-6377.	6.7	179
24	Ultrahigh thermoelectric performance in Cu_2Se -based hybrid materials with highly dispersed molecular CNTs. Energy and Environmental Science, 2017, 10, 1928-1935.	30.8	298
25	Roles of Cu in the Enhanced Thermoelectric Properties in $\text{Bi}_0.5\text{Sb}_{1.5}\text{Te}_3$. Materials, 2017, 10, 251.	2.9	51
26	Quaternary Pseudocubic $\text{Cu}_2\text{TMSnSe}_4$ (TM = Mn, Fe, Co) Chalcopyrite Thermoelectric Materials. Advanced Electronic Materials, 2016, 2, 1600312.	5.1	39