

Qingfeng Song

List of Publications by Year in descending order

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26
papers

1,855
citations

361413

20
h-index

552781

26
g-index

26
all docs

26
docs citations

26
times ranked

1532
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrahigh thermoelectric performance in Cu ₂ Se-based hybrid materials with highly dispersed molecular CNTs. Energy and Environmental Science, 2017, 10, 1928-1935.	30.8	298
2	Flexible thermoelectrics: from silver chalcogenides to full-inorganic devices. Energy and Environmental Science, 2019, 12, 2983-2990.	30.8	188
3	Enhanced Thermoelectric Performance through Tuning Bonding Energy in Cu ₂ Se _{1-x} S _x Liquid-like Materials. Chemistry of Materials, 2017, 29, 6367-6377.	6.7	179
4	Ultrahigh thermoelectric performance in Cu ₂ Se _{0.5} S _{0.5} liquid-like materials. Materials Today Physics, 2017, 1, 14-23.	6.0	130
5	Ultralow Lattice Thermal Conductivity and Superhigh Thermoelectric Figure of Merit in (Mg, Bi) Co-doped GeTe. Advanced Materials, 2021, 33, e2008773.	21.0	112
6	Copper chalcogenide thermoelectric materials. Science China Materials, 2019, 62, 8-24.	6.3	111
7	High efficiency GeTe-based materials and modules for thermoelectric power generation. Energy and Environmental Science, 2021, 14, 995-1003.	30.8	101
8	Superior performance and high service stability for GeTe-based thermoelectric compounds. National Science Review, 2019, 6, 944-954.	9.5	96
9	Cu ₈ GeSe ₆ -based thermoelectric materials with an argyrodite structure. Journal of Materials Chemistry C, 2017, 5, 943-952.	5.5	93
10	Stacking faults modulation for scattering optimization in GeTe-based thermoelectric materials. Nano Energy, 2020, 68, 104347.	16.0	77
11	Are Cu ₂ Te-based Compounds Excellent Thermoelectric Materials?. Advanced Materials, 2019, 31, e1903480.	21.0	72
12	Intrinsically High Thermoelectric Performance in AgInSe ₂ n-type Diamond-like Compounds. Advanced Science, 2018, 5, 1700727.	11.2	66
13	Roles of Cu in the Enhanced Thermoelectric Properties in Bi _{0.5} Sb _{1.5} Te ₃ . Materials, 2017, 10, 251.	2.9	51
14	Discovery of high-performance thermoelectric copper chalcogenide using modified diffusion-couple high-throughput synthesis and automated histogram analysis technique. Energy and Environmental Science, 2020, 13, 3041-3053.	30.8	43
15	Quaternary Pseudocubic Cu ₂ TMSnSe ₄ (TM = Mn, Fe, Co) Chalcopyrite Thermoelectric Materials. Advanced Electronic Materials, 2016, 2, 1600312.	5.1	39
16	Thermoelectric properties of non-stoichiometric Cu _{2+x} Sn _{1-x} S ₃ compounds. Journal of Applied Physics, 2019, 126, .	2.5	35
17	Aguilarite Ag ₄ SSe Thermoelectric Material: Natural Mineral with Low Lattice Thermal Conductivity. ACS Applied Materials & Interfaces, 2019, 11, 12632-12638.	8.0	30
18	Thermoelectric materials with crystal-amorphicity duality induced by large atomic size mismatch. Joule, 2021, 5, 1183-1195.	24.0	27

#	ARTICLE	IF	CITATIONS
19	Thermoelectric properties of n-type Cu ₄ Sn ₇ S ₁₆ -based compounds. RSC Advances, 2019, 9, 7826-7832.	3.6	26
20	Improved Thermoelectric Performance in Nonstoichiometric Cu _{2+δ} Mn _{1-x} SnSe ₄ Quaternary Diamondlike Compounds. ACS Applied Materials & Interfaces, 2018, 10, 10123-10131.	8.0	24
21	Ru Alloying Induced Enhanced Thermoelectric Performance in FeSi ₂ -Based Compounds. ACS Applied Materials & Interfaces, 2019, 11, 32151-32158.	8.0	17
22	Crystal Structure and Thermoelectric Properties of Cu ₂ Fe _{1-x} Mn _x SnSe ₄ Diamond-like Chalcogenides. ACS Applied Energy Materials, 2020, 3, 2137-2146.	5.1	15
23	Number mismatch between cations and anions as an indicator for low lattice thermal conductivity in chalcogenides. Npj Computational Materials, 2020, 6, .	8.7	13
24	Enhanced thermal stability and oxidation resistance in La ₃ -Te ₄ by compositing metallic nickel particles. Acta Materialia, 2022, 224, 117526.	7.9	6
25	Synergistically Optimized Electrical and Thermal Transport Properties in Copper Phthalocyanine-Based Organic Small Molecule with Nanoscale Phase Separations. ACS Applied Materials & Interfaces, 2021, 13, 15064-15072.	8.0	5
26	Thermoelectric Performance Optimization of n-Type La _{3-x} Sm _x Te ₄ /Ni Composites via Sm Doping. Energies, 2022, 15, 2353.	3.1	1