

Hui Sun

List of Publications by Year in descending order

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14
papers

5,330
citations

933447

10
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

5698
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermoelectric Properties of Cobalt-Doped FeSi_2 with SiC Nanoparticle Inclusions. Journal of Electronic Materials, 2021, 50, 3288-3294.	2.2	1
2	Detrimental effect of powder processing on the thermoelectric properties of CoSi. Journal of Materials Science, 2017, 52, 8293-8299.	3.7	8
3	Isovalent substitutes play in different ways: Effects of isovalent substitution on the thermoelectric properties of $\text{CoSi}_{0.98\text{B}0.02}$. Journal of Applied Physics, 2016, 120, 035107.	2.5	7
4	Zhao et al. reply. Nature, 2016, 539, E2-E3.	27.8	13
5	Extraordinary role of Hg in enhancing the thermoelectric performance of p-type SnTe. Energy and Environmental Science, 2015, 8, 267-277.	30.8	347
6	SnTe as an efficient thermoelectric material with low thermal conductivity. Journal of Materials Chemistry A, 2014, 2, 20849-20854.	10.3	142
7	Ultralow thermal conductivity and high thermoelectric figure of merit in SnSe crystals. Nature, 2014, 508, 373-377.	27.8	3,963
8	Contrasting role of antimony and bismuth dopants on the thermoelectric performance of lead selenide. Nature Communications, 2014, 5, 3640.	12.8	98
9	Advanced thermoelectrics governed by a single parabolic band: $\text{Mg}_{0.2}\text{Si}_{0.3}\text{Sn}_{0.7}$, a canonical example. Physical Chemistry Chemical Physics, 2014, 16, 6893-6897.	2.8	114
10	Highly efficient $(\text{In}_2\text{Te}_3)_x(\text{GeTe})_{3-3x}$ thermoelectric materials: a substitute for TAGS. Physical Chemistry Chemical Physics, 2014, 16, 15570-15575.	2.8	49
11	High Thermoelectric Performance of p-Type SnTe via a Synergistic Band Engineering and Nanostructuring Approach. Journal of the American Chemical Society, 2014, 136, 7006-7017.	13.7	553
12	Effects of Ni, Pd, and Pt Substitutions on Thermoelectric Properties of CoSi Alloys. Journal of Electronic Materials, 2013, 42, 1352-1357.	2.2	21
13	Thermoelectric Properties of $\text{Co}_{1-x}\text{Rh}_x\text{Si}_{0.98\text{B}0.02}$ Alloys. Journal of Electronic Materials, 2012, 41, 1125-1129.	2.2	4
14	The role of boron segregation in enhanced thermoelectric power factor of $\text{CoSi}_{1-x}\text{B}_x$ alloys. Journal of Applied Physics, 2011, 110, 123711.	2.5	10