Hui Sun

List of Publications by Year
in descending order

14	5,330	933447 10	1058476 14
papers	citations	h-index	g-index

14	14	14	5698
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ultralow thermal conductivity and high thermoelectric figure of merit in SnSe crystals. Nature, 2014, 508, 373-377.	27.8	3,963
2	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
3	Extraordinary role of Hg in enhancing the thermoelectric performance of p-type SnTe. Energy and Environmental Science, 2015, 8, 267-277.	30.8	347
4	SnTeâ€“AgBiTe₂ as an efficient thermoelectric material with low thermal conductivity. Journal of Materials Chemistry A, 2014, 2, 20849-20854.	10.3	142
5	Advanced thermoelectrics governed by a single parabolic band: Mg₂Si_{0.3}Sn_{0.7}, a canonical example. Physical Chemistry Chemical Physics, 2014, 16, 6893-6897.	2.8	114
6	Contrasting role of antimony and bismuth dopants on the thermoelectric performance of lead selenide. Nature Communications, 2014, 5, 3640.	12.8	98
7	Highly efficient (In₂Te₃)_x(GeTe)_{3â^'3x} thermoelectric materials: a substitute for TAGS. Physical Chemistry Chemical Physics, 2014, 16, 15570-15575.	2.8	49
8	Effects of Ni, Pd, and Pt Substitutions on Thermoelectric Properties of CoSi Alloys. Journal of Electronic Materials, 2013, 42, 1352-1357.	2.2	21
9	Zhao et al. reply. Nature, 2016, 539, E2-E3.	27.8	13
10	The role of boron segregation in enhanced thermoelectric power factor of CoSi1â^'xBx alloys. Journal of Applied Physics, 2011, 110, 123711.	2.5	10
11	Detrimental effect of powder processing on the thermoelectric properties of CoSi. Journal of Materials Science, 2017, 52, 8293-8299.	3.7	8
12	Isovalent substitutes play in different ways: Effects of isovalent substitution on the thermoelectric properties of CoSi0.98B0.02. Journal of Applied Physics, 2016, 120, 035107.	2.5	7
13	Thermoelectric Properties of Co1â^'x Rh x Si0.98B0.02 Alloys. Journal of Electronic Materials, 2012, 41, 1125-1129.	2.2	4
14	Thermoelectric Properties of Cobalt-Doped Î²-FeSi2 with SiC Nanoparticle Inclusions. Journal of Electronic Materials, 2021, 50, 3288-3294.	2.2	1