

Shih-Han Lo

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

6,171
citations

840776

11
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

6092
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultralow thermal conductivity and high thermoelectric figure of merit in SnSe crystals. <i>Nature</i> , 2014, 508, 373-377.	27.8	3,963
2	High Thermoelectric Performance of p-Type SnTe via a Synergistic Band Engineering and Nanostructuring Approach. <i>Journal of the American Chemical Society</i> , 2014, 136, 7006-7017.	13.7	553
3	High Performance Thermoelectrics from Earth-Abundant Materials: Enhanced Figure of Merit in PbS by Second Phase Nanostructures. <i>Journal of the American Chemical Society</i> , 2011, 133, 20476-20487.	13.7	433
4	High Thermoelectric Performance via Hierarchical Compositionally Alloyed Nanostructures. <i>Journal of the American Chemical Society</i> , 2013, 135, 7364-7370.	13.7	344
5	High ZT in p-Type (PbTe) _{1-x} (PbSe) _x (PbS) _x Thermoelectric Materials. <i>Journal of the American Chemical Society</i> , 2014, 136, 3225-3237.	13.7	228
6	High thermoelectric figure of merit in nanostructured p-type PbTe _{1-x} MTe (M = Ca, Ba). <i>Energy and Environmental Science</i> , 2011, 4, 4675.	30.8	162
7	High-Performance Tellurium-Free Thermoelectrics: All-Scale Hierarchical Structuring of p-Type PbSe _{1-x} MSe Systems (M = Ca, Sr, Ba). <i>Journal of the American Chemical Society</i> , 2013, 135, 5152-5160.	13.7	135
8	Enhancement of Thermoelectric Figure of Merit by the Insertion of MgTe Nanostructures in p-type PbTe Doped with Na ₂ Te. <i>Advanced Energy Materials</i> , 2012, 2, 1117-1123.	19.5	123
9	Phonon Scattering and Thermal Conductivity in p-Type Nanostructured PbTe _{1-x} BaTe Bulk Thermoelectric Materials. <i>Advanced Functional Materials</i> , 2012, 22, 5175-5184.	14.9	112
10	Contrasting role of antimony and bismuth dopants on the thermoelectric performance of lead selenide. <i>Nature Communications</i> , 2014, 5, 3640.	12.8	98
11	Zhao et al. reply. <i>Nature</i> , 2016, 539, E2-E3.	27.8	13
12	Nanostructure-Assisted Phonon Scattering in Lead-Free Thermoelectric Materials: A TEM Investigation of the SnTe System. <i>Microscopy and Microanalysis</i> , 2014, 20, 438-439.	0.4	5
13	Thermoelectric Materials: Enhancement of Thermoelectric Figure of Merit by the Insertion of MgTe Nanostructures in p-type PbTe Doped with Na ₂ Te (<i>Adv. Energy Mater.</i> 9/2012). <i>Advanced Energy Materials</i> , 2012, 2, 1038-1038.	19.5	2