

# Shih-Han Lo

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11780964/publications.pdf>

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	Zhao et al. reply. Nature, 2016, 539, E2-E3.	27.8	13
2	Ultralow thermal conductivity and high thermoelectric figure of merit in SnSe crystals. Nature, 2014, 508, 373-377.	27.8	3,963
3	Contrasting role of antimony and bismuth dopants on the thermoelectric performance of lead selenide. Nature Communications, 2014, 5, 3640.	12.8	98
4	High $ZT$ in p-Type $(\text{PbTe})_{1-x}(\text{PbSe})_x(\text{PbS})_x$ Thermoelectric Materials. Journal of the American Chemical Society, 2014, 136, 3225-3237.	13.7	228
5	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
6	Nanostructure-Assisted Phonon Scattering in Lead-Free Thermoelectric Materials: A TEM Investigation of the SnTe System. Microscopy and Microanalysis, 2014, 20, 438-439.	0.4	5
7	High-Performance Tellurium-Free Thermoelectrics: All-Scale Hierarchical Structuring of p-Type $\text{PbSe-MSe}$ Systems (M = Ca, Sr, Ba). Journal of the American Chemical Society, 2013, 135, 5152-5160.	13.7	135
8	High Thermoelectric Performance via Hierarchical Compositionally Alloyed Nanostructures. Journal of the American Chemical Society, 2013, 135, 7364-7370.	13.7	344
9	Thermoelectric Materials: Enhancement of Thermoelectric Figure of Merit by the Insertion of MgTe Nanostructures in p-Type PbTe Doped with $\text{Na}_2\text{Te}$ (Adv. Energy Mater. 9/2012). Advanced Energy Materials, 2012, 2, 1038-1038.	19.5	2
10	Phonon Scattering and Thermal Conductivity in p-Type Nanostructured $\text{PbTe-BaTe}$ Bulk Thermoelectric Materials. Advanced Functional Materials, 2012, 22, 5175-5184.	14.9	112
11	Enhancement of Thermoelectric Figure of Merit by the Insertion of MgTe Nanostructures in p-Type PbTe Doped with $\text{Na}_2\text{Te}$ . Advanced Energy Materials, 2012, 2, 1117-1123.	19.5	123
12	High Performance Thermoelectrics from Earth-Abundant Materials: Enhanced Figure of Merit in PbS by Second Phase Nanostructures. Journal of the American Chemical Society, 2011, 133, 20476-20487.	13.7	433
13	High thermoelectric figure of merit in nanostructured p-type $\text{PbTe-MTe}$ (M = Ca, Ba). Energy and Environmental Science, 2011, 4, 4675.	30.8	162