

Huili Liu

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

3,846
citations

430754

18
h-index

713332

21
g-index

23
all docs

23
docs citations

23
times ranked

4007
citing authors

#	ARTICLE	IF	CITATIONS
1	Disorder recovers the Wiedemann-Franz law in the metallic phase of VO_2 . Physical Review B, 2020, 102, .	1.1	10
2	Extreme In-Plane Thermal Conductivity Anisotropy in Titanium Trisulfide Caused by Heat-Carrying Optical Phonons. Nano Letters, 2020, 20, 5221-5227.	4.5	21
3	Anomalously Suppressed Thermal Conduction by Electron-Phonon Coupling in Charge-Density-Wave Tantalum Disulfide. Advanced Science, 2020, 7, 1902071.	5.6	22
4	Anomalously high electronic thermal conductivity and Lorenz ratio in Bi_2Te_3 nanoribbons far from the bipolar condition. Applied Physics Letters, 2019, 114, .	1.5	5
5	A 0.2 V Micro-Electromechanical Switch Enabled by a Phase Transition. Small, 2018, 14, e1703621.	5.2	23
6	Multifunctional Microelectro-Opto-mechanical Platform Based on Phase-Transition Materials. Nano Letters, 2018, 18, 1637-1643.	4.5	16
7	Black Arsenic: A Layered Semiconductor with Extreme In-Plane Anisotropy. Advanced Materials, 2018, 30, e1800754.	11.1	161
8	Pressurizing Field-Effect Transistors of Few-Layer MoS_2 in a Diamond Anvil Cell. Nano Letters, 2017, 17, 194-199.	4.5	31
9	Variable range hopping electric and thermoelectric transport in anisotropic black phosphorus. Applied Physics Letters, 2017, 111, .	1.5	41
10	Structure family and polymorphous phase transition in the compounds with soft sublattice: Cu_2Se as an example. Journal of Chemical Physics, 2016, 144, 194502.	1.2	35
11	Reduction of thermal conductivity by low energy multi-Einstein optic modes. Journal of Materiomics, 2016, 2, 187-195.	2.8	53
12	Water-in-Salt electrolytes enable green and safe Li-ion batteries for large scale electric energy storage applications. Journal of Materials Chemistry A, 2016, 4, 6639-6644.	5.2	172
13	Multiformity and fluctuation of Cu ordering in Cu_2Se thermoelectric materials. Journal of Materials Chemistry A, 2015, 3, 6901-6908.	5.2	80
14	High Thermoelectric Performance in Non-Toxic Earth-Abundant Copper Sulfide. Advanced Materials, 2014, 26, 3974-3978.	11.1	631
15	Thermoelectric properties of $\text{CuInTe}_2/\text{graphene}$ composites. CrystEngComm, 2013, 15, 6648.	1.3	60
16	Ultrahigh Thermoelectric Performance by Electron and Phonon Critical Scattering in $\text{Cu}_2\text{Se}_{1-x}\text{I}_x$. Advanced Materials, 2013, 25, 6607-6612.	11.1	394
17	Structure-transformation-induced abnormal thermoelectric properties in semiconductor copper selenide. Materials Letters, 2013, 93, 121-124.	1.3	75
18	Investigation of thermoelectric properties of $\text{Cu}_2\text{GaxSn}_{1-x}\text{Se}_3$ diamond-like compounds by hot pressing and spark plasma sintering. Acta Materialia, 2013, 61, 4297-4304.	3.8	65

#	ARTICLE	IF	CITATIONS
19	Copper ion liquid-like thermoelectrics. <i>Nature Materials</i> , 2012, 11, 422-425.	13.3	1,700
20	Ternary compound CuInTe_2 : a promising thermoelectric material with diamond-like structure. <i>Chemical Communications</i> , 2012, 48, 3818.	2.2	221
21	$\text{SrCo}_{0.9}\text{Sb}_{0.1}\text{O}_3$ cubic perovskite as a novel cathode for intermediate-to-low temperature solid oxide fuel cells. <i>Journal of Alloys and Compounds</i> , 2009, 472, 556-558.	2.8	30