

HwanSung Choe

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7635080/publications.pdf>

Version: 2024-02-01

14
papers

857
citations

840585

11
h-index

1058333

14
g-index

15
all docs

15
docs citations

15
times ranked

1971
citing authors

#	ARTICLE	IF	CITATIONS
1	Anisotropic in-plane thermal conductivity of black phosphorus nanoribbons at temperatures higher than 100%K. Nature Communications, 2015, 6, 8573.	5.8	311
2	Black Arsenic: A Layered Semiconductor with Extreme In-plane Anisotropy. Advanced Materials, 2018, 30, e1800754.	11.1	161
3	Ferroelectrically Gated Atomically Thin Transition-Metal Dichalcogenides as Nonvolatile Memory. Advanced Materials, 2016, 28, 2923-2930.	11.1	134
4	Quantifying van der Waals Interactions in Layered Transition Metal Dichalcogenides from Pressure-Enhanced Valence Band Splitting. Nano Letters, 2017, 17, 4982-4988.	4.5	53
5	Ion Write Microthermotics: Programing Thermal Metamaterials at the Microscale. Nano Letters, 2019, 19, 3830-3837.	4.5	45
6	Variable range hopping electric and thermoelectric transport in anisotropic black phosphorus. Applied Physics Letters, 2017, 111, .	1.5	41
7	A 0.2 V Micro-Electromechanical Switch Enabled by a Phase Transition. Small, 2018, 14, e1703621.	5.2	23
8	Electric-field control of spin dynamics during magnetic phase transitions. Science Advances, 2020, 6, .	4.7	22
9	Tuning the optical and electrical properties of MoS2 by selective Ag photo-reduction. Applied Physics Letters, 2018, 113, .	1.5	17
10	Multifunctional Microelectro-Opto-mechanical Platform Based on Phase-Transition Materials. Nano Letters, 2018, 18, 1637-1643.	4.5	16
11	Enhancing Modulation of Thermal Conduction in Vanadium Dioxide Thin Film by Nanostructured Nanogaps. Scientific Reports, 2017, 7, 7131.	1.6	11
12	Disorder recovers the Wiedemann-Franz law in the metallic phase of VO_2 . Physical Review B, 2020, 102, .	1.1	10
13	Compensated thermal conductivity of metallically conductive Ta-doped TiO2. Applied Physics Letters, 2018, 113, .	1.5	8
14	Anomalously high electronic thermal conductivity and Lorenz ratio in Bi2Te3 nanoribbons far from the bipolar condition. Applied Physics Letters, 2019, 114, .	1.5	5