

Jungdae Kim

List of Publications by Year in descending order

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30
papers

1,434
citations

567281

15
h-index

477307

29
g-index

31
all docs

31
docs citations

31
times ranked

2442
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct observation of trapped charges at ReSe ₂ and graphene heterojunctions. Applied Surface Science, 2022, 579, 152187.	6.1	5
2	Flat-surface-assisted and self-regulated oxidation resistance of Cu(111). Nature, 2022, 603, 434-438.	27.8	59
3	Unidentified major p-type source in SnSe: Multivacancies. NPG Asia Materials, 2022, 14, .	7.9	8
4	Controlling Spin-Orbit Coupling to Tailor Type-II Dirac Bands. ACS Nano, 2022, 16, 11227-11233.	14.6	6
5	Direct Observation of Fe-Ge Ordering in Fe ₅ X ₂ GeTe ₂ Crystals and Resultant Helimagnetism. Advanced Functional Materials, 2021, 31, 2009758.	14.9	33
6	Interlayer Coupling and Ultrafast Hot Electron Transfer Dynamics in Metallic VSe ₂ /Graphene van der Waals Heterostructures. ACS Nano, 2021, 15, 7756-7764.	14.6	22
7	Multiple charge density wave phases of monolayer VSe ₂ manifested by graphene substrates. Nanotechnology, 2021, 32, 364002.	2.6	13
8	Intrinsic defects and local charge ordering of single-crystal FeTe. Journal of the Korean Physical Society, 2021, 79, 552-556.	0.7	0
9	Influence of Nanosize Hole Defects and their Geometric Arrangements on the Superfluid Density in Atomically Thin Single Crystals of Indium Superconductor. Physical Review Letters, 2021, 127, 127003.	7.8	5
10	Completing the picture of initial oxidation on copper. Applied Surface Science, 2021, 562, 150148.	6.1	12
11	High-Quality SnSe ₂ Single Crystals: Electronic and Thermoelectric Properties. ACS Applied Energy Materials, 2020, 3, 10787-10792.	5.1	34
12	Lattice Dynamics Driven by Tunneling Current in 1T [±] Structure of Bilayer VSe ₂ . Journal of the Korean Physical Society, 2020, 77, 1031-1034.	0.7	5
13	$\sqrt{3} \times \sqrt{3}$ and $\sqrt{7} \times \sqrt{7}$ Charge Density Wave Driven by Lattice Distortion in Monolayer VSe ₂ . Journal of the Korean Physical Society, 2020, 76, 412-415.	0.7	7
14	Growing Ultrathin Cu ₂ O Films on Highly Crystalline Cu(111): A Closer Inspection from Microscopy and Theory. Journal of Physical Chemistry C, 2019, 123, 12716-12721.	3.1	14
15	Novel polymorphic phase of two-dimensional VSe ₂ : the 1T [±] structure and its lattice dynamics. Nanoscale, 2019, 11, 20096-20101.	5.6	13
16	Universal renormalization group flow toward perfect Fermi-surface nesting driven by enhanced electron-electron correlations in monolayer vanadium diselenide. Physical Review B, 2019, 99, .	3.2	10
17	A Review of SnSe: Growth and Thermoelectric Properties. Journal of the Korean Physical Society, 2018, 72, 841-857.	0.7	32
18	Influence of the State of the Tungsten Tip on STM Topographic Images of SnSe Surfaces. Journal of the Korean Physical Society, 2018, 72, 658-661.	0.7	2

#	ARTICLE	IF	CITATIONS
19	Emergence of a Metal-Insulator Transition and High-Temperature Charge-Density Waves in VSe_2 at the Monolayer Limit. <i>Nano Letters</i> , 2018, 18, 5432-5438.	9.1	170
20	Atomistic study of the alloying behavior of crystalline $SnSe_{1-x}S_x$. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 21648-21654.	2.8	17
21	Origin of p-type characteristics in a SnSe single crystal. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	81
22	Achieving ZT=2.2 with Bi-doped n-type SnSe single crystals. <i>Nature Communications</i> , 2016, 7, 13713.	12.8	346
23	A microscopic study investigating the structure of SnSe surfaces. <i>Surface Science</i> , 2016, 651, 5-9.	1.9	33
24	Compact low temperature scanning tunneling microscope with <i>in-situ</i> sample preparation capability. <i>Review of Scientific Instruments</i> , 2015, 86, 093707.	1.3	23
25	Fabrication of ZnCoO nanowires and characterization of their magnetic properties. <i>Nanoscale Research Letters</i> , 2014, 9, 221.	5.7	2
26	Fabrication of high-quality single-crystal Cu thin films using radio-frequency sputtering. <i>Scientific Reports</i> , 2014, 4, 6230.	3.3	43
27	Anomalous phase relations of quantum size effects in ultrathin Pb films on Si(111). <i>Physical Review B</i> , 2013, 87, .	3.2	11
28	Visualization of geometric influences on proximity effects in heterogeneous superconductor thin films. <i>Nature Physics</i> , 2012, 8, 464-469.	16.7	73
29	Quantum size effects on the work function of metallic thin film nanostructures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 12761-12765.	7.1	61
30	Superconductivity at the Two-Dimensional Limit. <i>Science</i> , 2009, 324, 1314-1317.	12.6	294