

Keun Su Kim

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,433
citations

840776

11
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

3043
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of tunable band gap and anisotropic Dirac semimetal state in black phosphorus. <i>Science</i> , 2015, 349, 723-726.	12.6	749
2	Universal Mechanism of Band-Gap Engineering in Transition-Metal Dichalcogenides. <i>Nano Letters</i> , 2017, 17, 1610-1615.	9.1	157
3	Emergence of Two-Dimensional Massless Dirac Fermions, Chiral Pseudospins, and Berry's Phase in Potassium Doped Few-Layer Black Phosphorus. <i>Nano Letters</i> , 2015, 15, 7788-7793.	9.1	98
4	A novel quasi-one-dimensional topological insulator in bismuth iodide Bi_2I_4 . <i>Nature Materials</i> , 2016, 15, 154-158.	27.5	90
5	Holstein polaron in a valley-degenerate two-dimensional semiconductor. <i>Nature Materials</i> , 2018, 17, 676-680.	27.5	80
6	Two-Dimensional Dirac Fermions Protected by Space-Time Inversion Symmetry in Black Phosphorus. <i>Physical Review Letters</i> , 2017, 119, 226801.	7.8	72
7	Black phosphorus as a bipolar pseudospin semiconductor. <i>Nature Materials</i> , 2020, 19, 277-281.	27.5	55
8	Band-Tail Transport of CuSCN: Origin of Hole Extraction Enhancement in Organic Photovoltaics. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 2856-2861.	4.6	37
9	Closing the Surface Bandgap in Thin Bi_2Se_3 /Graphene Heterostructures. <i>ACS Nano</i> , 2019, 13, 3931-3939.	14.6	20
10	Sublattice Interference as the Origin of $\int f$ Band Kinks in Graphene. <i>Physical Review Letters</i> , 2016, 116, 186802.	7.8	13
11	Radial Band Structure of Electrons in Liquid Metals. <i>Physical Review Letters</i> , 2011, 107, 136402.	7.8	12
12	Tracing the initial state of surface oxidation in black phosphorus. <i>Applied Surface Science</i> , 2020, 504, 144341.	6.1	10
13	Three-Terminal Ovonic Threshold Switch (3T-OTS) with Tunable Threshold Voltage for Versatile Artificial Sensory Neurons. <i>Nano Letters</i> , 2022, 22, 733-739.	9.1	10
14	Small scale rotational disorder observed in epitaxial graphene on SiC(0001). <i>New Journal of Physics</i> , 2013, 15, 023019.	2.9	8
15	Pseudogap in a crystalline insulator doped by disordered metals. <i>Nature</i> , 2021, 596, 68-73.	27.8	8
16	Electron-phonon coupling in the ordered phase of Rb on monolayer graphene. <i>Current Applied Physics</i> , 2020, 20, 484-488.	2.4	7
17	Graphene p-n junction formed on SiC(0001) by Au intercalation. <i>Journal of the Korean Physical Society</i> , 2021, 78, 40-44.	0.7	3
18	Renormalization of Dirac Cones by Correlation Effects in Heavily-Doped Graphene. <i>Journal of the Korean Physical Society</i> , 2020, 76, 44-48.	0.7	2

#	ARTICLE	IF	CITATIONS
19	Electronic band structure of Bi-intercalate layers in graphene and SiC(0001). Journal of the Korean Physical Society, 2021, 78, 157-163.	0.7	2