Jeongwoo Kim

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4344531/publications.pdf

Version: 2024-02-01

33 papers	952 citations	489802 18 h-index	488211 31 g-index
34 all docs	34 docs citations	34 times ranked	1946 citing authors

#	Article	IF	Citations
1	Dynamical mean-field theory study of a ferromagnetic CrI3 monolayer. Journal of the Korean Physical Society, 2022, 80, 1071-1075.	0.3	3
2	Giant bulk photovoltaic effect driven by the wall-to-wall charge shift in WS2 nanotubes. Nature Communications, 2022, 13, .	5.8	17
3	Vertical transverse transport induced by hidden in-plane Berry curvature in two dimensions. Physical Review B, 2021, 104, .	1.1	1
4	Exploitable Magnetic Anisotropy of the Two-Dimensional Magnet CrI₃. Nano Letters, 2020, 20, 929-935.	4.5	69
5	First-principles identification of the charge-shifting mechanism and ferroelectricity in hybrid halide perovskites. Scientific Reports, 2020, 10, 19635.	1.6	19
6	Axion insulator state in ferromagnetically ordered <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Cr</mml:mi><mml:msub><mml:mi mathvariant="normal">I</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mo>/</mml:mo><mml:mi mathvariant="normal">B</mml:mi><mml:msub><mml:mi mathvariant="normal">i</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>3</mml:mn>	1.1	22
7	Releasing the hidden shift current in the TTF-CA organic molecular solid via symmetry lowering. Npj Computational Materials, 2020, 6, .	3.5	3
8	Prediction of ferroelectricity-driven Berry curvature enabling charge- and spin-controllable photocurrent in tin telluride monolayers. Nature Communications, 2019, 10, 3965.	5.8	47
9	Spin-Split Band Hybridization in Graphene Proximitized with Î±-RuCl₃ Nanosheets. Nano Letters, 2019, 19, 4659-4665.	4.5	62
10	Magnetizing topological surface states of Bi ₂ Se ₃ with a CrI ₃ monolayer. Science Advances, 2019, 5, eaaw1874.	4.7	78
11	Unraveling materials Berry curvature and Chern numbers from real-time evolution of Bloch states. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 4135-4140.	3.3	20
12	Discovery of a magnetic conductive interface in PbZr0.2Ti0.8O3 /SrTiO3 heterostructures. Nature Communications, 2018, 9, 685.	5.8	20
13	Manipulating the one-dimensional topological edge state of Bi bilayer nanoribbons via magnetic orientation and electric field. Physical Review B, 2018, 97, .	1.1	5
14	Importance of Coulomb correlation on the quantum anomalous Hall effect in V-doped topological insulators. Physical Review B, 2018, 97, .	1.1	7
15	Spin diffusion length and spin Hall angle in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Pd</mml:mi><mml:mrow><mml:mn>1</mml:mn> heterostructures: Examination of spin relaxation mechanism. Physical Review B, 2018, 98, .	1.1	32
16	Anisotropic polarization-induced conductance at a ferroelectricâ€“insulator interface. Nature Nanotechnology, 2018, 13, 1132-1136.	15.6	53
17	Zero Hall conductivity and its electronic origin in a Cr-doped topological insulator. Physical Review B, 2018, 98, .	1.1	4
18	Phonon Instability and Broken Long-Ranged <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi></mml:math> Bond in Ge-Sb-Te Phase-Change Materials from First Principles. Physical Review Applied, 2018, 9, .	1.5	6

#	Article	IF	Citations
19	Effect of Distance on Photoluminescence Quenching and Proximity-Induced Spinâ€“Orbit Coupling in Graphene/WSe₂ Heterostructures. Nano Letters, 2018, 18, 3580-3585.	4.5	41
20	Searching for large-gap quantum spin hall insulators: boron-nitride/(Pb,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (Sn)/Î±-Al<sub>2<	2.8	6
21	Pair potential modeling of atomic rearrangement in GeTe-Sb2Te3 superlattice via first-principles calculations. Journal of Applied Physics, 2017, 121, .	1.1	8
22	New Class of 3D Topological Insulator in Double Perovskite. Journal of Physical Chemistry Letters, 2017, 8, 332-339.	2.1	27
23	Weyl node assisted conductivity switch in interfacial phase-change memory with van der Waals interfaces. Physical Review B, 2017, 96, .	1.1	16
24	Ordering mechanism and quantum anomalous Hall effect of magnetically doped topological insulators. Physical Review B, 2017, 96, .	1.1	26
25	Understanding the Giant Enhancement of Exchange Interaction in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Bi</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow> Heterostructures. Physical Review Letters, 2017, 119, 027201.	2.9	47
26	Engineering Topological Surface States of Cr-Doped Bi₂Se₃ Films by Spin Reorientation and Electric Field. Nano Letters, 2016, 16, 6656-6660.	4.5	10
27	Tunable spinâ€“orbit coupling and symmetry-protected edge states in graphene/WS ₂. 2D Materials, 2016, 3, 031012.	2.0	135
28	Magnetic phase transition in Fe-doped topological insulator<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">B</mml:mi><mml:msub><mml:mi mathvariant="normal">i</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>. Physi	1.1	25
29	Disorder-induced structural transitions in topological insulating Ge-Sb-Te compounds. Journal of Applied Physics, 2015, 117, 195701.	1.1	7
30	Fermi surface reconstruction in CeTe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>induced by charge density waves investigated via angle resolved photoemission. Physical Review B, 2012, 85, .	1.1	17
31	Topological Phase Transition in the Interaction of Surface Dirac Fermions in Heterostructures. Physical Review Letters, 2012, 109, 146601.	2.9	29
32	Emerging topological insulating phase in Geï£¿Sbï£¿Te compounds. Physica Status Solidi (B): Basic Research, 2012, 249, 1874-1879.	0.7	11
33	Prediction of topological insulating behavior in crystalline Ge-Sb-Te. Physical Review B, 2010, 82, .	1.1	75