

Young-Woo Son

List of Publications by Year in descending order

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20
papers

2,475
citations

759233

12
h-index

752698

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20
all docs

20
docs citations

20
times ranked

4857
citing authors

#	ARTICLE	IF	CITATIONS
1	Reshaped Weyl fermionic dispersions driven by Coulomb interactions in MoTe_2 . Physical Review B, 2022, 105, .	31.2	103
2	Multiferroic-Enabled Magnetic Excitons in 2D Quantum-Entangled Van der Waals Antiferromagnet NiTe_2 . Advanced Materials, 2022, 34, e2109144.	21.0	8
3	Magnetic Ordering, Anomalous Lifshitz Transition, and Topological Grain Boundaries in Two-Dimensional Biphenylene Network. Nano Letters, 2022, 22, 3112-3117.	9.1	11
4	Anomalous optical excitations from arrays of whirlpooled lattice distortions in moiré superlattices. Nature Materials, 2022, 21, 890-895.	27.5	15
5	Gate-tunable superconductivity and charge-density wave in monolayer $\text{1T}'\text{-MoTe}_2$ and $\text{1T}'\text{-WTe}_2$. Physical Chemistry Chemical Physics, 2021, 23, 17279-17286.	2.8	10
6	Dichotomy of saddle points in energy bands of monolayer NbSe_2 . Physical Review B, 2021, 104, .	31.2	103
7	Double charge wave. Nature Physics, 2021, 17, 1284-1285.	16.7	1
8	Coherent many-body exciton in van der Waals antiferromagnet NiPS_3 . Nature, 2020, 583, 785-789.	27.8	134
9	Symmetry Dictated Grain Boundary State in a Two-Dimensional Topological Insulator. Nano Letters, 2020, 20, 5837-5843.	9.1	16
10	First-principles approach with a pseudohybrid density functional for extended Hubbard interactions. Physical Review Research, 2020, 2, .	3.6	31
11	First-principles study on effects of local Coulomb repulsion and Hund's coupling in ferromagnetic semiconductor CrGeTe_3 . Journal of Applied Physics, 2020, 128, 123901.	2.5	4
12	Active hydrogen evolution through lattice distortion in metallic MoTe_2 . 2D Materials, 2017, 4, 025061.	4.4	103
13	Quasiparticle energy bands and Fermi surfaces of monolayer NbSe_2 . Physical Review B, 2017, 96, .	17.7	117
14	Strain-shear coupling in bilayer MoS_2 . Nature Communications, 2017, 8, 1370.	12.8	81
15	Origins of the structural phase transitions in MoTe_2 and WTe_2 . Physical Review B, 2017, 95, .	3.2	97
16	Anomalous excitonic resonance Raman effects in few-layered MoS_2 . Nanoscale, 2015, 7, 3229-3236.	5.6	129
17	Gate-tunable phase transitions in thin flakes of 1T-TaS_2 . Nature Nanotechnology, 2015, 10, 270-276.	31.5	584
18	Electronic topological transition in sliding bilayer graphene. Physical Review B, 2011, 84, .	3.2	62

#	ARTICLE	IF	CITATIONS
19	Effects of strain on electronic properties of graphene. Physical Review B, 2010, 81, .	3.2	555
20	Anisotropic behaviours of massless Dirac fermions in graphene under periodic potentials. Nature Physics, 2008, 4, 213-217.	16.7	609