

Young-Woo Son

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

2,475
citations

759233

12
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

4857
citing authors

#	ARTICLE	IF	CITATIONS
1	Anisotropic behaviours of massless Dirac fermions in graphene under periodic potentials. Nature Physics, 2008, 4, 213-217.	16.7	609
2	Gate-tunable phase transitions in thin flakes of 1T-TaS ₂ . Nature Nanotechnology, 2015, 10, 270-276.	31.5	584
3	Effects of strain on electronic properties of graphene. Physical Review B, 2010, 81, .	3.2	555
4	Coherent many-body exciton in van der Waals antiferromagnet NiPS ₃ . Nature, 2020, 583, 785-789.	27.8	134
5	Anomalous excitonic resonance Raman effects in few-layered MoS ₂ . Nanoscale, 2015, 7, 3229-3236.	5.6	129
6	Active hydrogen evolution through lattice distortion in metallic MoTe ₂ . 2D Materials, 2017, 4, 025061.	4.4	103
7	Origins of the structural phase transitions in MoTe ₂ and WTe ₂ . Physical Review B, 2017, 95, .	3.2	97
8	Strain-shear coupling in bilayer MoS ₂ . Nature Communications, 2017, 8, 1370.	12.8	81
9	Electronic topological transition in sliding bilayer graphene. Physical Review B, 2011, 84, .	3.2	62
10	First-principles approach with a pseudohybrid density functional for extended Hubbard interactions. Physical Review Research, 2020, 2, .	3.6	31
11	Quasiparticle energy bands and Fermi surfaces of monolayer NbSe ₂ . Physical Review B, 2017, 96, .	3.2	17
12	Symmetry Dictated Grain Boundary State in a Two-Dimensional Topological Insulator. Nano Letters, 2020, 20, 5837-5843.	9.1	16
13	Anomalous optical excitations from arrays of whirlpooled lattice distortions in moiré superlattices. Nature Materials, 2022, 21, 890-895.	27.5	15
14	Magnetic Ordering, Anomalous Lifshitz Transition, and Topological Grain Boundaries in Two-Dimensional Biphenylene Network. Nano Letters, 2022, 22, 3112-3117.	9.1	11
15	Gate-tunable superconductivity and charge-density wave in monolayer 1T'-MoTe ₂ and 1T'-WTe ₂ . Physical Chemistry Chemical Physics, 2021, 23, 17279-17286.	2.8	10
16	Multiferroic-enabled Magnetic Excitons in 2D Quantum Entangled Van der Waals Antiferromagnet NiTe ₂ . Advanced Materials, 2022, 34, e2109144.	21.0	8
17	Dichotomy of saddle points in energy bands of monolayer NbSe ₂ . Physical Review B, 2021, 104, .	3.2	17
18	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

#	ARTICLE	IF	CITATIONS
19	Reshaped Weyl fermionic dispersions driven by Coulomb interactions in MoTe_2 . Physical Review B, 2022, 105, .	16.7	1
20	Double charge wave. Nature Physics, 2021, 17, 1284-1285.	16.7	1