

Chaun Jang

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

3,754
citations

933447

10
h-index

1058476

14
g-index

16
all docs

16
docs citations

16
times ranked

7081
citing authors

#	ARTICLE	IF	CITATIONS
1	Intrinsic and extrinsic performance limits of graphene devices on SiO ₂ . Nature Nanotechnology, 2008, 3, 206-209.	31.5	2,730
2	Doping against the Native Propensity of MoS ₂ : Degenerate Hole Doping by Cation Substitution. Nano Letters, 2014, 14, 6976-6982.	9.1	574
3	Controlling the Magnetic Anisotropy of the van der Waals Ferromagnet Fe ₃ GeTe ₂ through Hole Doping. Nano Letters, 2020, 20, 95-100.	9.1	118
4	Spin nano-oscillator-based wireless communication. Scientific Reports, 2014, 4, 5486.	3.3	107
5	All-Electrical Measurement of Interfacial Dzyaloshinskii-Moriya Interaction Using Collective Spin-Wave Dynamics. Nano Letters, 2016, 16, 62-67.	9.1	91
6	Exchange Bias in Weakly Interlayer-Coupled van der Waals Magnet Fe ₃ GeTe ₂ . Nano Letters, 2021, 21, 1672-1678.	9.1	43
7	Hydrodynamic Assembly of Conductive Nanomesh of Single-Walled Carbon Nanotubes Using Biological Glue. Advanced Materials, 2015, 27, 922-928.	21.0	23
8	Hopping conduction in <i>ip</i> -type MoS ₂ near the critical regime of the metal-insulator transition. Applied Physics Letters, 2015, 107, .	3.3	20
9	Enhancement of electric-field-induced change of magnetic anisotropy by interface engineering of MgO magnetic tunnel junctions. Journal Physics D: Applied Physics, 2015, 48, 225002.	2.8	15
10	Electrical detection of the surface spin polarization of the candidate topological Kondo insulator <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Sm</mml:mi><mml:msub><mml:mi>3.2</mml:mi><mml:mathvariant="normal">B</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math>.&br/>Physical Review B, 2019, 99, .	3.2	13
11	Surface oxidation in a van der Waals ferromagnet Fe _{3-x} GeTe ₂ . Current Applied Physics, 2021, 30, 40-45.	2.4	8
12	Optical control of the layer degree of freedom through Wannier-Stark states in polar 3R MoS ₂ . Journal of Physics Condensed Matter, 2019, 31, 315502.	1.8	5
13	Electrical detection of the inverse Edelstein effect on the surface of <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Sm</mml:mi><mml:msub><mml:mi>3.2</mml:mi><mml:mathvariant="normal">B</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math>.&br/>Physical Review B, 2020, 102, .	3.2	4
14	Electrical spin transport in cylindrical silicon nanowires with CoFeB/MgO contacts. Applied Physics Letters, 2017, 111, 062402.	3.3	2
15	Anisotropic magnetoresistance in a Ni ₈₁ Fe ₁₉ /SiO ₂ /Ca-Bi ₂ Se ₃ hybrid structure. Thin Solid Films, 2019, 676, 87-91.	1.8	1
16	Electrical Observation of the Effective Mass in a Single-Crystal WTe ₂ Layer. Journal of the Korean Physical Society, 2019, 74, 154-158.	0.7	0