

# Minwoong Joe

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

376  
citations

687363

13  
h-index

794594

19  
g-index

24  
all docs

24  
docs citations

24  
times ranked

670  
citing authors

#	ARTICLE	IF	CITATIONS
1	Resonant tunnelling diodes based on twisted black phosphorus homostructures. Nature Electronics, 2021, 4, 269-276.	26.0	41
2	Molecular dynamics simulation study of the growth of a rough amorphous carbon film by the grazing incidence of energetic carbon atoms. Carbon, 2012, 50, 404-410.	10.3	32
3	Accumulation-Driven Unified Spatiotemporal Synthesis and Structuring of Immiscible Metallic Nanoalloys. Matter, 2019, 1, 1606-1617.	10.0	29
4	A comprehensive study of piezomagnetic response in CrPS <sub>4</sub> monolayer: mechanical, electronic properties and magnetic ordering under strains. Journal of Physics Condensed Matter, 2017, 29, 405801.	1.8	28
5	Reactive molecular dynamics simulation of early stage of dry oxidation of Si (100) surface. Journal of Applied Physics, 2011, 110, .	2.5	26
6	One-dimensional pattern of Au nanodots by ion-beam sputtering: formation and mechanism. Nanotechnology, 2011, 22, 285301.	2.6	26
7	Nanopatched Graphene with Molecular Self-Assembly Toward Graphene-Organic Hybrid Soft Electronics. Advanced Materials, 2018, 30, e1706480.	21.0	26
8	First-principles study of ferromagnetic metal Fe <sub>5</sub> GeTe <sub>2</sub> . Nano Materials Science, 2019, 1, 299-303.	8.8	26
9	Enhancement of electrocatalytic activity of gold nanoparticles by sonochemical treatment. Chemical Communications, 2010, 46, 5656.	4.1	23
10	Stress reduction of diamond-like carbon by Si incorporation: A molecular dynamics study. Surface and Coatings Technology, 2013, 228, S190-S193.	4.8	22
11	An ideal polymeric C60 coating on a Si electrode for durable Li-ion batteries. Carbon, 2014, 77, 1140-1147.	10.3	19
12	Nanopatterning by dual-ion-beam sputtering. Applied Physics Letters, 2007, 91, 233115.	3.3	17
13	Nanopatterning by multiple-ion-beam sputtering. Journal of Physics Condensed Matter, 2009, 21, 224011.	1.8	13
14	Exchange Bias Effect in Ferro-/Antiferromagnetic van der Waals Heterostructures. Nano Letters, 2020, 20, 3978-3985.	9.1	13
15	Atomistic simulations of diamond-like carbon growth. Thin Solid Films, 2012, 521, 239-244.	1.8	10
16	Dominant in-plane cleavage direction of CrPS <sub>4</sub> . Computational Materials Science, 2019, 162, 277-280.	3.0	6
17	<i>in situ</i> observation of ion beam-induced nanostructure formation on a Cu(In,Ga)Se <sub>2</sub> Surface. Surface and Interface Analysis, 2012, 44, 1542-1546.	1.8	5
18	Iron-based ferromagnetic van der Waals materials. Journal Physics D: Applied Physics, 2021, 54, 473002.	2.8	5

#	ARTICLE	IF	CITATIONS
19	Synthesis of 2D semiconducting single crystalline Bi <sub>2</sub> S <sub>3</sub> for high performance electronics. Physical Chemistry Chemical Physics, 2021, 23, 26806-26812.	2.8	4
20	Study on the Phase Transition Behavior of Ni Nano-Clusters Using Molecular Dynamics Simulation. Journal of Computational and Theoretical Nanoscience, 2009, 6, 2442-2445.	0.4	2
21	$\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Cr} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:math} \text{mathvariant="normal"} \rangle \text{S} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ a bipolar semiconducting fully compensated ferrimagnet. Physical Review Materials, 2022, 6, .	2.4	1
22	Accumulation-Driven Surfactant-Free Synthesis of Architected Immiscible Metallic Nanoalloys with Enhanced Catalysis. SSRN Electronic Journal, 0, , .	0.4	0