

Hyobin Yoo

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

2,104
citations

471509

17
h-index

434195

31
g-index

32
all docs

32
docs citations

32
times ranked

3608
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomic and electronic reconstruction at the van der Waals interface in twisted bilayer graphene. Nature Materials, 2019, 18, 448-453.	27.5	454
2	Tunable spin-polarized correlated states in twisted double bilayer graphene. Nature, 2020, 583, 221-225.	27.8	385
3	Photonic crystals for nano-light in moiré graphene superlattices. Science, 2018, 362, 1153-1156.	12.6	273
4	Heterointerface effects in the electrointercalation of van der Waals heterostructures. Nature, 2018, 558, 425-429.	27.8	184
5	Broken mirror symmetry in excitonic response of reconstructed domains in twisted MoSe ₂ /MoSe ₂ bilayers. Nature Nanotechnology, 2020, 15, 750-754.	31.5	106
6	Growth and characterizations of GaN micro-rods on graphene films for flexible light emitting diodes. APL Materials, 2014, 2, .	5.1	98
7	Flexible GaN Light-Emitting Diodes Using GaN Microdisks Epitaxial Laterally Overgrown on Graphene Dots. Advanced Materials, 2016, 28, 7688-7694.	21.0	75
8	Microstructures of GaN Thin Films Grown on Graphene Layers. Advanced Materials, 2012, 24, 515-518.	21.0	72
9	Gallium nitride nanostructures for light-emitting diode applications. Nano Energy, 2012, 1, 391-400.	16.0	72
10	Position- and Morphology- Controlled ZnO Nanostructures Grown on Graphene Layers. Advanced Materials, 2012, 24, 5565-5569.	21.0	68
11	Sign-Reversing Hall Effect in Atomically Thin High-Temperature Bi_2Te_3 . Physical Review Letters, 2019, 122, 247001.	7.8	57
12	Structural-relaxation-driven electron doping of amorphous oxide semiconductors by increasing the concentration of oxygen vacancies in shallow-donor states. NPG Asia Materials, 2016, 8, e250-e250.	7.9	35
13	Nano-photocurrent Mapping of Local Electronic Structure in Twisted Bilayer Graphene. Nano Letters, 2020, 20, 2958-2964.	9.1	34
14	Microstructural defects in GaN thin films grown on chemically vapor-deposited graphene layers. Applied Physics Letters, 2013, 102, 051908.	3.3	29
15	Heteroepitaxial Growth of GaN on Unconventional Templates and Layer-Transfer Techniques for Large-Area, Flexible/Stretchable Light-Emitting Diodes. Advanced Optical Materials, 2016, 4, 505-521.	7.3	27
16	GaN light-emitting diodes on glass substrates with enhanced electroluminescence. Journal of Materials Chemistry, 2012, 22, 22942.	6.7	24
17	High-Resolution Observation of Nucleation and Growth Behavior of Nanomaterials Using a Graphene Template. Advanced Materials, 2014, 26, 2011-2015.	21.0	20
18	Anomalous optical excitations from arrays of whirlpooled lattice distortions in moiré superlattices. Nature Materials, 2022, 21, 890-895.	27.5	15

