

Hyobin Yoo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6242855/publications.pdf>

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	Anomalous optical excitations from arrays of whirlpooled lattice distortions in moiré superlattices. Nature Materials, 2022, 21, 890-895.	27.5	15
2	Dual-Gated Graphene Devices for Near-Field Nano-imaging. Nano Letters, 2021, 21, 1688-1693.	9.1	13
3	Stoichiometric Doping of Highly Coupled Cu ₂ S Nanocrystal Assemblies. ACS Applied Materials & Interfaces, 2021, 13, 26330-26338.	8.0	3
4	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
5	Solution-Processed Fabrication of Light-Emitting Diodes Using CsPbBr ₃ Perovskite Nanocrystals. ACS Applied Nano Materials, 2020, 3, 11801-11810.	5.0	8
6	Torsional Periodic Lattice Distortion in Twisted Bilayer Graphene. Microscopy and Microanalysis, 2020, 26, 864-866.	0.4	1
7	Imaging of 2-Dimensional Dislocation Networks in Twisted Bilayer Graphene and Beyond. Microscopy and Microanalysis, 2020, 26, 854-855.	0.4	1
8	Zhao et al. Reply. Physical Review Letters, 2020, 124, 249702.	7.8	4
9	Tunable spin-polarized correlated states in twisted double bilayer graphene. Nature, 2020, 583, 221-225.	27.8	385
10	Nano-photocurrent Mapping of Local Electronic Structure in Twisted Bilayer Graphene. Nano Letters, 2020, 20, 2958-2964.	9.1	34
11	Spatially correlated incommensurate lattice modulations in an atomically thin high-temperature superconductor. Physical Review Materials, 2020, 4, 041101.	7.8	57
12	Sign-Reversing Hall Effect in Atomically Thin High-Temperature Superconductor. Physical Review Letters, 2019, 122, 247001.	7.8	57
13	Atomic and electronic reconstruction at the van der Waals interface in twisted bilayer graphene. Nature Materials, 2019, 18, 448-453.	27.5	454
14	Understanding luminescence properties of grain boundaries in GaN thin films and their atomistic origin. Applied Physics Letters, 2018, 112, .	3.3	5
15	Latent Order in High-Angle Grain Boundary of GaN. Scientific Reports, 2018, 8, 4647.	3.3	2
16	Photonic crystals for nano-light in moiré graphene superlattices. Science, 2018, 362, 1153-1156.	12.6	273
17	Measuring the Local Twist Angle and Layer Arrangement in Van der Waals Heterostructures. Physica Status Solidi (B): Basic Research, 2018, 255, 1800191.	1.5	11
18	Heterointerface effects in the electrointercalation of van der Waals heterostructures. Nature, 2018, 558, 425-429.	27.8	184

#	ARTICLE	IF	CITATIONS
19	Cu Diffusion-Driven Dynamic Modulation of the Electrical Properties of Amorphous Oxide Semiconductors. <i>Advanced Functional Materials</i> , 2017, 27, 1700336.	14.9	8
20	Heteroepitaxial Growth of GaN on Unconventional Templates and Layer-Transfer Techniques for Large-Area, Flexible/Stretchable Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2016, 4, 505-521.	7.3	27
21	Structural-relaxation-driven electron doping of amorphous oxide semiconductors by increasing the concentration of oxygen vacancies in shallow-donor states. <i>NPG Asia Materials</i> , 2016, 8, e250-e250.	7.9	35
22	Flexible GaN Light-Emitting Diodes Using GaN Microdisks Epitaxial Laterally Overgrown on Graphene Dots. <i>Advanced Materials</i> , 2016, 28, 7688-7694.	21.0	75
23	Growth and characterizations of GaN micro-rods on graphene films for flexible light emitting diodes. <i>APL Materials</i> , 2014, 2, .	5.1	98
24	High-Resolution Observation of Nucleation and Growth Behavior of Nanomaterials Using a Graphene Template. <i>Advanced Materials</i> , 2014, 26, 2011-2015.	21.0	20
25	Microstructural defects in GaN thin films grown on chemically vapor-deposited graphene layers. <i>Applied Physics Letters</i> , 2013, 102, 051908.	3.3	29
26	Graphene: Position- and Morphology-Controlled ZnO Nanostructures Grown on Graphene Layers (<i>Adv. Mater.</i> 41/2012). <i>Advanced Materials</i> , 2012, 24, 5564-5564.	21.0	0
27	Microstructures of GaN Thin Films Grown on Graphene Layers. <i>Advanced Materials</i> , 2012, 24, 515-518.	21.0	72
28	GaN light-emitting diodes on glass substrates with enhanced electroluminescence. <i>Journal of Materials Chemistry</i> , 2012, 22, 22942.	6.7	24
29	Gallium nitride nanostructures for light-emitting diode applications. <i>Nano Energy</i> , 2012, 1, 391-400.	16.0	72
30	Position- and Morphology-Controlled ZnO Nanostructures Grown on Graphene Layers. <i>Advanced Materials</i> , 2012, 24, 5565-5569.	21.0	68
31	Nearly Perfect Polycrystalline, Large-Grained Silicon Arrays Formed at Low-Temperature Ambient by Local Pyrolysis. <i>Crystal Growth and Design</i> , 2012, 12, 2472-2477.	3.0	7