

Jiseok Gim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1196916/publications.pdf>

Version: 2024-02-01

23
papers

475
citations

759233

12
h-index

839539

18
g-index

25
all docs

25
docs citations

25
times ranked

747
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-dimensional charge order stabilized in clean polytype heterostructures. Nature Communications, 2022, 13, 413.	12.8	14
2	Scalable Synthesis of Monolayer Hexagonal Boron Nitride on Graphene with Giant Bandgap Renormalization. Advanced Materials, 2022, 34, e2201387.	21.0	22
3	Electron overflow of AlGaIn deep ultraviolet light emitting diodes. Applied Physics Letters, 2021, 118, .	3.3	17
4	Two-dimensional charge order stabilized in clean polytype heterostructures. Microscopy and Microanalysis, 2021, 27, 896-898.	0.4	1
5	The mesoscale order of nacreous pearls. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	12
6	On the Origin of Efficiency Droop of AlGaIn Deep Ultraviolet Light Emitting Diodes. , 2020, , .		0
7	Nano-Mechanics Reveal Resilience in Nacre of Mollusk Shells and Pearls. Microscopy and Microanalysis, 2020, 26, 104-106.	0.4	0
8	Graphene-assisted molecular beam epitaxy of AlN for AlGaIn deep-ultraviolet light-emitting diodes. Applied Physics Letters, 2020, 116, .	3.3	26
9	An AlGaIn tunnel junction light emitting diode operating at 255nm. Applied Physics Letters, 2020, 117, .	3.3	19
10	High-efficiency AlGaIn/GaN/AlGaIn tunnel junction ultraviolet light-emitting diodes. Photonics Research, 2020, 8, 331.	7.0	56
11	Nanoscale Deformation Processes Revealed in Nacre of Pinna nobilis Mollusk Shells. Microscopy and Microanalysis, 2019, 25, 1880-1881.	0.4	0
12	Nanoscale deformation mechanics reveal resilience in nacre of Pinna nobilis shell. Nature Communications, 2019, 10, 4822.	12.8	67
13	Deep Ultraviolet Luminescence Due to Extreme Confinement in Monolayer GaN/Al(GaN) Nanowire and Planar Heterostructures. Nano Letters, 2019, 19, 7852-7858.	9.1	35
14	Stable Unassisted Solar Water Splitting on Semiconductor Photocathodes Protected by Multifunctional GaN Nanostructures. ACS Energy Letters, 2019, 4, 1541-1548.	17.4	50
15	High-Efficiency AlGaIn Tunnel Junction Deep Ultraviolet LEDs Operating at 265 nm. , 2019, , .		0
16	An In _{0.42} Ga _{0.58} N tunnel junction nanowire photocathode monolithically integrated on a nonplanar Si wafer. Nano Energy, 2019, 57, 405-413.	16.0	38
17	Optical and interface characteristics of Al _{0.56} Ga _{0.44} N/Al _{0.62} Ga _{0.38} N multiquantum wells with $\lambda \sim 280$ nm emission grown by plasma-assisted molecular beam epitaxy. Journal of Crystal Growth, 2019, 508, 66-71.	1.5	6
18	Magnetic frustration control through tunable stereochemically driven disorder in entropy-stabilized oxides. Physical Review Materials, 2019, 3, .	2.4	29

#	ARTICLE	IF	CITATIONS
19	Solar Water Oxidation by an InGaN Nanowire Photoanode with a Bandgap of 1.7 eV. ACS Energy Letters, 2018, 3, 307-314.	17.4	73
20	Heteroepitaxy of Fin-Shaped InGaN Nanoridge Using Molecular Beam Epitaxy. Crystal Growth and Design, 2018, 18, 5750-5756.	3.0	3
21	Hierarchical InGaN Nanowires for High-Efficiency Solar Water Splitting. Microscopy and Microanalysis, 2018, 24, 1670-1671.	0.4	0
22	Microstructure and Magnetic Properties of LaSrMnO Nanoparticles and Their Application to Cardiac Immunoassay. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	6
23	ZnO/Ag Composite Nanocrystals from Nanoemulsion: Synthesis, Magnetic, and Optical Properties. Applied Physics Express, 2013, 6, 063005.	2.4	1