

Jiseok Gim

List of Publications by Year in descending order

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23
papers

475
citations

759233

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839539

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25
all docs

25
docs citations

25
times ranked

747
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Nanoscale deformation mechanics reveal resilience in nacre of Pinna nobilis shell. Nature Communications, 2019, 10, 4822.	12.8	67
3	High-efficiency AlGaIn/GaN/AlGaIn tunnel junction ultraviolet light-emitting diodes. Photonics Research, 2020, 8, 331.	7.0	56
4	Stable Unassisted Solar Water Splitting on Semiconductor Photocathodes Protected by Multifunctional GaN Nanostructures. ACS Energy Letters, 2019, 4, 1541-1548.	17.4	50
5	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
6	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
7	Magnetic frustration control through tunable stereochemically driven disorder in entropy-stabilized oxides. Physical Review Materials, 2019, 3, .	2.4	29
8	Graphene-assisted molecular beam epitaxy of AlN for AlGaIn deep-ultraviolet light-emitting diodes. Applied Physics Letters, 2020, 116, .	3.3	26
9	Scalable Synthesis of Monolayer Hexagonal Boron Nitride on Graphene with Giant Bandgap Renormalization. Advanced Materials, 2022, 34, e2201387.	21.0	22
10	An AlGaIn tunnel junction light emitting diode operating at 255 nm. Applied Physics Letters, 2020, 117, .	3.3	19
11	Electron overflow of AlGaIn deep ultraviolet light emitting diodes. Applied Physics Letters, 2021, 118, .	3.3	17
12	Two-dimensional charge order stabilized in clean polytype heterostructures. Nature Communications, 2022, 13, 413.	12.8	14
13	The mesoscale order of nacreous pearls. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	12
14	Microstructure and Magnetic Properties of LaSrMnO Nanoparticles and Their Application to Cardiac Immunoassay. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	6
15	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
16	Heteroepitaxy of Fin-Shaped InGaIn Nanoridge Using Molecular Beam Epitaxy. Crystal Growth and Design, 2018, 18, 5750-5756.	3.0	3
17	ZnO-Ag Composite Nanocrystals from Nanoemulsion: Synthesis, Magnetic, and Optical Properties. Applied Physics Express, 2013, 6, 063005.	2.4	1
18	Two-dimensional charge order stabilized in clean polytype heterostructures. Microscopy and Microanalysis, 2021, 27, 896-898.	0.4	1

#	ARTICLE	IF	CITATIONS
19	Hierarchical InGaN Nanowires for High-Efficiency Solar Water Splitting. Microscopy and Microanalysis, 2018, 24, 1670-1671.	0.4	0
20	Nanoscale Deformation Processes Revealed in Nacre of Pinna nobilis Mollusk Shells. Microscopy and Microanalysis, 2019, 25, 1880-1881.	0.4	0
21	High-Efficiency AlGaN Tunnel Junction Deep Ultraviolet LEDs Operating at 265 nm. , 2019, , .		0
22	On the Origin of Efficiency Droop of AlGaN Deep Ultraviolet Light Emitting Diodes. , 2020, , .		0
23	Nano-Mechanics Reveal Resilience in Nacre of Mollusk Shells and Pearls. Microscopy and Microanalysis, 2020, 26, 104-106.	0.4	0