Ram Chandra Subedi

List of Publications by Year
in descending order

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31 papers	843 citations	471061 17 h-index	525886 27 g-index
31 all docs	31 docs citations	31 times ranked	1183 citing authors

#	Article	IF	Citations
1	Highly efficient transverse-electric-dominant ultraviolet-C emitters employing GaN multiple quantum disks in AlN nanowire matrix. , 2021, , .		0
2	Giant clam inspired high-speed photo-conversion for ultraviolet optical wireless communication. Optical Materials Express, 2021, 11, 1515.	1.6	2
3	Titanium Carbide MXene Nucleation Layer for Epitaxial Growth of High-Quality GaN Nanowires on Amorphous Substrates. ACS Nano, 2020, 14, 2202-2211.	7.3	15
4	Quantifying the Transverse-Electric-Dominant 260 nm Emission from Molecular Beam Epitaxy-Grown GaN-Quantum-Disks Embedded in AlN Nanowires: A Comprehensive Optical and Morphological Characterization. ACS Applied Materials & Interfaces, 2020, 12, 41649-41658.	4.0	4
5	Nanoporous GaN/n-type GaN: A Cathode Structure for ITO-Free Perovskite Solar Cells. ACS Energy Letters, 2020, 5, 3295-3303.	8.8	23
6	Piezotronic AlGaN nanowire Schottky junctions grown on a metal substrate. AIP Advances, 2020, 10, .	0.6	4
7	Iridocytes Mediate Photonic Cooperation Between Giant Clams (Tridacninae) and Their Photosynthetic Symbionts. Frontiers in Marine Science, 2020, 7, .	1.2	24
8	THz behavior originates from different arrangements of coalescent GaN nanorods grown on Si (111) and Si (100) substrates. Applied Surface Science, 2020, 522, 146422.	3.1	6
9	Unambiguously Enhanced Ultraviolet Luminescence of AlGaN Wavy Quantum Well Structures Grown on Large Misoriented Sapphire Substrate. Advanced Functional Materials, 2019, 29, 1905445.	7.8	128
10	Direct Growth of Single Crystalline GaN Nanowires on Indium Tin Oxide-Coated Silica. Nanoscale Research Letters, 2019, 14, 45.	3.1	5
11	Perovskite-Based Artificial Multiple Quantum Wells. Nano Letters, 2019, 19, 3535-3542.	4.5	27
12	Deep-ultraviolet integrated photonic and optoelectronic devices: A prospect of the hybridization of group IIIâ€“nitrides, IIIâ€“oxides, and two-dimensional materials. Journal of Semiconductors, 2019, 40, 121801.	2.0	33
13	Ultraviolet-to-blue color-converting scintillating-fibers photoreceiver for 375-nm laser-based underwater wireless optical communication. Optics Express, 2019, 27, 30450.	1.7	52
14	Growth of GaN nanowire on indium-tin-oxide coated fused silica for simultaneous transparency and conductivity (Conference Presentation). , 2019, , .		1
15	Effect of Charge Localization on the Effective Hyperfine Interaction in Organic Semiconducting Polymers. Physical Review Letters, 2018, 120, 086602.	2.9	32
16	Flexible Displays: Wavy Architecture Thinâ€Film Transistor for Ultrahigh Resolution Flexible Displays (Small 1/2018). Small, 2018, 14, 1870002.	5.2	2
17	Wavy Architecture Thinâ€Film Transistor for Ultrahigh Resolution Flexible Displays. Small, 2018, 14, 1703200.	5.2	15
18	Observation of piezotronic and piezo-phototronic effects in n-InGaN nanowires/Ti grown by molecular beam epitaxy. Nano Energy, 2018, 54, 264-271.	8.2	18

#	Article	IF	Citations
19	III-nitride nanowires on unconventional substrates: From materials to optoelectronic device applications. Progress in Quantum Electronics, 2018, 61, 1-31.	3.5	76
20	Graded-Index Separate Confinement Heterostructure AlGaN Nanowires: Toward Ultraviolet Laser Diodes Implementation. ACS Photonics, 2018, 5, 3305-3314.	3.2	54
21	Review of nanophotonics approaches using nanostructures and nanofabrication for III-nitrides ultraviolet-photonic devices. Journal of Nanophotonics, 2018, 12, 1.	0.4	44
22	High-power blue superluminescent diode for high CRI lighting and high-speed visible light communication. Optics Express, 2018, 26, 26355.	1.7	44
23	Ti/TaN Bilayer for Efficient Injection and Reliable AlGaN Nanowires LEDs. , 2018, , .		1
24	Large magnetoelectric effect in organic ferroelectric copolymer-based multiferroic tunnel junctions. Applied Physics Letters, 2017, 110, .	1.5	20
25	Highly uniform ultraviolet-A quantum-confined AlGaN nanowire LEDs on metal/silicon with a TaN interlayer. Optical Materials Express, 2017, 7, 4214.	1.6	27
26	Organic Spin Valves: A Review. Advanced Functional Materials, 2016, 26, 3881-3898.	7.8	93
27	Engineering of Spin Injection and Spin Transport in Organic Spin Valves Using Ï€â€Conjugated Polymer Brushes. Advanced Functional Materials, 2016, 26, 3999-4006.	7.8	36
28	Curvature-enhanced Spin-orbit Coupling and Spinterface Effect in Fullerene-based Spin Valves. Scientific Reports, 2016, 6, 19461.	1.6	46
29	Large magnetoresistance at high bias voltage in double-layer organic spin valves. Organic Electronics, 2015, 26, 314-318.	1.4	9
30	DISCERNMENT OF POSSIBLE ORGANIC MAGNETIC FIELD EFFECT MECHANISMS USING POLYMER LIGHT-EMITTING ELECTROCHEMICAL CELLS. Spin, 2014, 04, 1440010.	0.6	2
31	The Sparkling Tan: How Giant Clams Avoid Sunburns. Frontiers for Young Minds, 0, 9, .	0.8	0