Ram Chandra Subedi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8530440/publications.pdf

Version: 2024-02-01

31 papers	843 citations	471509 17 h-index	526287 27 g-index
31 all docs	31 docs citations	31 times ranked	1183 citing authors

#	Article	IF	Citations
1	Unambiguously Enhanced Ultraviolet Luminescence of AlGaN Wavy Quantum Well Structures Grown on Large Misoriented Sapphire Substrate. Advanced Functional Materials, 2019, 29, 1905445.	14.9	128
2	Organic Spin Valves: A Review. Advanced Functional Materials, 2016, 26, 3881-3898.	14.9	93
3	III-nitride nanowires on unconventional substrates: From materials to optoelectronic device applications. Progress in Quantum Electronics, 2018, 61, 1-31.	7.0	76
4	Graded-Index Separate Confinement Heterostructure AlGaN Nanowires: Toward Ultraviolet Laser Diodes Implementation. ACS Photonics, 2018, 5, 3305-3314.	6.6	54
5	Ultraviolet-to-blue color-converting scintillating-fibers photoreceiver for 375-nm laser-based underwater wireless optical communication. Optics Express, 2019, 27, 30450.	3.4	52
6	Curvature-enhanced Spin-orbit Coupling and Spinterface Effect in Fullerene-based Spin Valves. Scientific Reports, 2016, 6, 19461.	3.3	46
7	Review of nanophotonics approaches using nanostructures and nanofabrication for III-nitrides ultraviolet-photonic devices. Journal of Nanophotonics, 2018, 12, 1.	1.0	44
8	High-power blue superluminescent diode for high CRI lighting and high-speed visible light communication. Optics Express, 2018, 26, 26355.	3.4	44
9	Engineering of Spin Injection and Spin Transport in Organic Spin Valves Using Ï€â€Conjugated Polymer Brushes. Advanced Functional Materials, 2016, 26, 3999-4006.	14.9	36
10	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.	3.7	33
11	Effect of Charge Localization on the Effective Hyperfine Interaction in Organic Semiconducting Polymers. Physical Review Letters, 2018, 120, 086602.	7.8	32
12	Highly uniform ultraviolet-A quantum-confined AlGaN nanowire LEDs on metal/silicon with a TaN interlayer. Optical Materials Express, 2017, 7, 4214.	3.0	27
13	Perovskite-Based Artificial Multiple Quantum Wells. Nano Letters, 2019, 19, 3535-3542.	9.1	27
14	Iridocytes Mediate Photonic Cooperation Between Giant Clams (Tridacninae) and Their Photosynthetic Symbionts. Frontiers in Marine Science, 2020, 7, .	2.5	24
15	Nanoporous GaN/n-type GaN: A Cathode Structure for ITO-Free Perovskite Solar Cells. ACS Energy Letters, 2020, 5, 3295-3303.	17.4	23
16	Large magnetoelectric effect in organic ferroelectric copolymer-based multiferroic tunnel junctions. Applied Physics Letters, 2017, 110, .	3.3	20
17	Observation of piezotronic and piezo-phototronic effects in n-InGaN nanowires/Ti grown by molecular beam epitaxy. Nano Energy, 2018, 54, 264-271.	16.0	18
18	Wavy Architecture Thinâ€Film Transistor for Ultrahigh Resolution Flexible Displays. Small, 2018, 14, 1703200.	10.0	15

#	Article	IF	Citations
19	Titanium Carbide MXene Nucleation Layer for Epitaxial Growth of High-Quality GaN Nanowires on Amorphous Substrates. ACS Nano, 2020, 14, 2202-2211.	14.6	15
20	Large magnetoresistance at high bias voltage in double-layer organic spin valves. Organic Electronics, 2015, 26, 314-318.	2.6	9
21	THz behavior originates from different arrangements of coalescent GaN nanorods grown on Si (111) and Si (100) substrates. Applied Surface Science, 2020, 522, 146422.	6.1	6
22	Direct Growth of Single Crystalline GaN Nanowires on Indium Tin Oxide-Coated Silica. Nanoscale Research Letters, 2019, 14, 45.	5.7	5
23	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.	8.0	4
24	Piezotronic AlGaN nanowire Schottky junctions grown on a metal substrate. AIP Advances, 2020, 10, .	1.3	4
25	DISCERNMENT OF POSSIBLE ORGANIC MAGNETIC FIELD EFFECT MECHANISMS USING POLYMER LIGHT-EMITTING ELECTROCHEMICAL CELLS. Spin, 2014, 04, 1440010.	1.3	2
26	Flexible Displays: Wavy Architecture Thinâ€Film Transistor for Ultrahigh Resolution Flexible Displays (Small 1/2018). Small, 2018, 14, 1870002.	10.0	2
27	Giant clam inspired high-speed photo-conversion for ultraviolet optical wireless communication. Optical Materials Express, 2021, 11, 1515.	3.0	2
28	Ti/TaN Bilayer for Efficient Injection and Reliable AlGaN Nanowires LEDs. , 2018, , .		1
29	Growth of GaN nanowire on indium-tin-oxide coated fused silica for simultaneous transparency and conductivity (Conference Presentation). , 2019, , .		1
30	Highly efficient transverse-electric-dominant ultraviolet-C emitters employing GaN multiple quantum disks in AlN nanowire matrix. , 2021, , .		0
31	The Sparkling Tan: How Giant Clams Avoid Sunburns. Frontiers for Young Minds, 0, 9, .	0.8	0