

Ram Chandra Subedi

List of Publications by Year in descending order

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31
papers

843
citations

471061

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525886

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31
all docs

31
docs citations

31
times ranked

1183
citing authors

#	ARTICLE	IF	CITATIONS
1	Unambiguously Enhanced Ultraviolet Luminescence of AlGa _N Wavy Quantum Well Structures Grown on Large Misoriented Sapphire Substrate. <i>Advanced Functional Materials</i> , 2019, 29, 1905445.	7.8	128
2	Organic Spin Valves: A Review. <i>Advanced Functional Materials</i> , 2016, 26, 3881-3898.	7.8	93
3	III-nitride nanowires on unconventional substrates: From materials to optoelectronic device applications. <i>Progress in Quantum Electronics</i> , 2018, 61, 1-31.	3.5	76
4	Graded-Index Separate Confinement Heterostructure AlGa _N Nanowires: Toward Ultraviolet Laser Diodes Implementation. <i>ACS Photonics</i> , 2018, 5, 3305-3314.	3.2	54
5	Ultraviolet-to-blue color-converting scintillating-fibers photoreceiver for 375-nm laser-based underwater wireless optical communication. <i>Optics Express</i> , 2019, 27, 30450.	1.7	52
6	Curvature-enhanced Spin-orbit Coupling and Spinterface Effect in Fullerene-based Spin Valves. <i>Scientific Reports</i> , 2016, 6, 19461.	1.6	46
7	Review of nanophotonics approaches using nanostructures and nanofabrication for III-nitrides ultraviolet-photonics devices. <i>Journal of Nanophotonics</i> , 2018, 12, 1.	0.4	44
8	High-power blue superluminescent diode for high CRI lighting and high-speed visible light communication. <i>Optics Express</i> , 2018, 26, 26355.	1.7	44
9	Engineering of Spin Injection and Spin Transport in Organic Spin Valves Using π -Conjugated Polymer Brushes. <i>Advanced Functional Materials</i> , 2016, 26, 3999-4006.	7.8	36
10	Deep-ultraviolet integrated photonic and optoelectronic devices: A prospect of the hybridization of group III nitrides, III oxides, and two-dimensional materials. <i>Journal of Semiconductors</i> , 2019, 40, 121801.	2.0	33
11	Effect of Charge Localization on the Effective Hyperfine Interaction in Organic Semiconducting Polymers. <i>Physical Review Letters</i> , 2018, 120, 086602.	2.9	32
12	Highly uniform ultraviolet-A quantum-confined AlGa _N nanowire LEDs on metal/silicon with a TaN interlayer. <i>Optical Materials Express</i> , 2017, 7, 4214.	1.6	27
13	Perovskite-Based Artificial Multiple Quantum Wells. <i>Nano Letters</i> , 2019, 19, 3535-3542.	4.5	27
14	Iridocytes Mediate Photonic Cooperation Between Giant Clams (Tridacninae) and Their Photosynthetic Symbionts. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	24
15	Nanoporous GaN/n-type GaN: A Cathode Structure for ITO-Free Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2020, 5, 3295-3303.	8.8	23
16	Large magnetoelectric effect in organic ferroelectric copolymer-based multiferroic tunnel junctions. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	20
17	Observation of piezotronic and piezo-phototronic effects in n-InGa _N nanowires/Ti grown by molecular beam epitaxy. <i>Nano Energy</i> , 2018, 54, 264-271.	8.2	18
18	Wavy Architecture Thin-Film Transistor for Ultrahigh Resolution Flexible Displays. <i>Small</i> , 2018, 14, 1703200.	5.2	15

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19	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
20	Large magnetoresistance at high bias voltage in double-layer organic spin valves. Organic Electronics, 2015, 26, 314-318.	1.4	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.	3.1	6
22	Direct Growth of Single Crystalline GaN Nanowires on Indium Tin Oxide-Coated Silica. Nanoscale Research Letters, 2019, 14, 45.	3.1	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.	4.0	4
24	Piezotronic AlGaIn nanowire Schottky junctions grown on a metal substrate. AIP Advances, 2020, 10, .	0.6	4
25	DISCERNMENT OF POSSIBLE ORGANIC MAGNETIC FIELD EFFECT MECHANISMS USING POLYMER LIGHT-EMITTING ELECTROCHEMICAL CELLS. Spin, 2014, 04, 1440010.	0.6	2
26	Flexible Displays: Wavy Architecture Thin-Film Transistor for Ultrahigh Resolution Flexible Displays (Small 1/2018). Small, 2018, 14, 1870002.	5.2	2
27	Giant clam inspired high-speed photo-conversion for ultraviolet optical wireless communication. Optical Materials Express, 2021, 11, 1515.	1.6	2
28	Ti/TaN Bilayer for Efficient Injection and Reliable AlGaIn 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