

Renu Tyagi

List of Publications by Year in descending order

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36
papers

278
citations

933447

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times ranked

268
citing authors

#	ARTICLE	IF	CITATIONS
1	High-quality AlN nucleation layer on SiC substrate grown by MOVPE: Growth, structural and optical characteristics. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2022, 278, 115635.	3.5	4
2	Suitability of thin-GaN for AlGaIn/GaN HEMT material and device. <i>Journal of Materials Science</i> , 2022, 57, 5913-5923.	3.7	5
3	Investigation of carrier gas on morphological and structural characteristics of AlGaIn/GaN HEMT. <i>Materials Research Bulletin</i> , 2022, 153, 111875.	5.2	2
4	Non Destructive Evaluation of AlGaIn/GaN HEMT structure by cathodoluminescence spectroscopy. <i>Journal of Luminescence</i> , 2021, 232, 117834.	3.1	3
5	Improvement in the crystalline quality of GaN and defects analysis using cathodoluminescence. <i>Materials Today: Proceedings</i> , 2021, 36, 631-636.	1.8	2
6	Syntax and defect distribution during the bulk growth of 4H-SiC Single crystal. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 2187-2192.	2.2	3
7	Improvement in surface morphology and 2DEG properties of AlGaIn/GaN HEMT. <i>Journal of Alloys and Compounds</i> , 2020, 815, 152283.	5.5	29
8	Impact of growth conditions on intrinsic carbon doping in GaN layers and its effect on blue and yellow luminescence. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 14336-14344.	2.2	4
9	Polytype switching identification in 4H-SiC single crystal grown by PVT. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 16343-16351.	2.2	8
10	Effect of two step GaN buffer on the structural and electrical characteristics in AlGaIn/GaN heterostructure. <i>Vacuum</i> , 2020, 178, 109442.	3.5	23
11	Optimization of AlN spacer layer in MOVPE grown AlGaIn/AlN/InGaIn/GaN high electron mobility heterostructure. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	1
12	Optical characterization of InAlN/AlN/InGaIn/GaN/sapphire high electron mobility transistor structures. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
13	Vertically aligned nanowires comprising AlGaIn/GaN axial heterostructure by convenient maskless reactive ion etching. <i>Materials Research Express</i> , 2019, 6, 105001.	1.6	3
14	On the determination of alloy composition using optical spectroscopy in MOVPE grown InGaIn layers on Si(111). <i>Superlattices and Microstructures</i> , 2019, 134, 106234.	3.1	2
15	Efficient fluorescence quenching of CdSe quantum dots on epitaxial GaAs nanostructures. <i>Journal of Nanoparticle Research</i> , 2019, 21, 1.	1.9	4
16	Effect of fully strained AlN nucleation layer on the AlN/SiC interface and subsequent GaN growth on 4H-SiC by MOVPE. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 18910-18918.	2.2	14
17	Factors Influencing Bone Mineral Density Among Adults of Delhi: A Gender Differential. <i>Journal of Health Management</i> , 2019, 21, 199-209.	1.1	1
18	GaN nanostructures by reactive ion etching: Mask and Maskless approach. <i>Nano Structures Nano Objects</i> , 2019, 18, 100284.	3.5	5

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19	Effect of pressure and time on the self catalyzed growth of epitaxial GaAs nanostructures by MOCVD. Vacuum, 2019, 164, 343-348.	3.5	7
20	Hypertension and its correlate with general and central adiposity: A study among urban population of Delhi. Diabetes and Metabolic Syndrome: Clinical Research and Reviews, 2018, 12, 881-884.	3.6	7
21	Determinants of Health among Senior Citizens. Journal of Health Management, 2017, 19, 132-143.	1.1	7
22	Ethnic Diversity with Preventable Risk Factors for Cardiovascular Diseases. Journal of Life Sciences, 2017, 9, 1-10.	0.1	0
23	Bio-Social Predictors of Hypertension Among Premenopausal and Postmenopausal Women. SAGE Open, 2015, 5, 215824401557422.	1.7	11
24	Demographic Transition and Population Ageing: Building an Inclusive Culture. Social Change, 2012, 42, 391-409.	0.3	20
25	Ethnicity, obesity and health pattern among Indian population. Journal of Natural Science, Biology and Medicine, 2012, 3, 52.	1.0	27
26	Growth of InAs Quantum Dots on Germanium Substrate Using Metal Organic Chemical Vapor Deposition Technique. Nanoscale Research Letters, 2010, 5, 31-7.	5.7	13
27	Growth of Uniform and Self-Aligned InAs Quantum Dots on Vicinal (100) GaAs Substrate by Metal Organic Chemical Vapor Deposition Technique for Laser Applications. Integrated Ferroelectrics, 2010, 119, 143-150.	0.7	0
28	Functional Ability and Nutritional Status of Indian Elderly--!2009-09-26--!2009-10-28--!2010-09-02--!. The Open Anthropology Journal, 2010, 3, 200-205.	0.4	4
29	Nutritional status and cardio-respiratory functions among adult Raji males, a hunter and gatherer tribe of the Indian Himalayas. Anthropological Science, 2009, 117, 1-7.	0.4	4
30	Nutritional Profile and Socio-Economic Status of Saharia, a Primitive Tribe of India. The Open Anthropology Journal, 2009, 2, 58-63.	0.4	6
31	Age, altitude and gender differences in body dimensions. Anthropologischer Anzeiger, 2008, 66, 419-434.	0.4	7
32	Age, altitude and gender differences in body dimensions. Anthropologischer Anzeiger, 2008, 66, 419-34.	0.4	4
33	MOVPE growth and optimization of GRINSCH single quantum well AlGaAs/GaAs laser diodes. , 2007, , .		0
34	Body composition and fat distribution pattern of urban elderly females, Delhi, India. Collegium Antropologicum, 2005, 29, 493-8.	0.2	11
35	Experimental investigation of 200 MeV 107Ag14+ ion induced modifications in n-GaAs epitaxial layer by in situ resistivity and Hall measurements. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2001, 86, 228-231.	3.5	12
36	Temperature dependence of current-voltage characteristics of Au/n-GaAs epitaxial Schottky diode. Bulletin of Materials Science, 2000, 23, 471-474.	1.7	24