

Renu Tyagi

List of Publications by Year in descending order

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36
papers

278
citations

933447

10
h-index

996975

15
g-index

36
all docs

36
docs citations

36
times ranked

268
citing authors

#	ARTICLE	IF	CITATIONS
1	Improvement in surface morphology and 2DEG properties of AlGaIn/GaN HEMT. Journal of Alloys and Compounds, 2020, 815, 152283.	5.5	29
2	Ethnicity, obesity and health pattern among Indian population. Journal of Natural Science, Biology and Medicine, 2012, 3, 52.	1.0	27
3	Temperature dependence of current-voltage characteristics of Au/n-GaAs epitaxial Schottky diode. Bulletin of Materials Science, 2000, 23, 471-474.	1.7	24
4	Effect of two step GaN buffer on the structural and electrical characteristics in AlGaIn/GaN heterostructure. Vacuum, 2020, 178, 109442.	3.5	23
5	Demographic Transition and Population Ageing: Building an Inclusive Culture. Social Change, 2012, 42, 391-409.	0.3	20
6	Effect of fully strained AlN nucleation layer on the AlN/SiC interface and subsequent GaN growth on 4H-SiC by MOVPE. Journal of Materials Science: Materials in Electronics, 2019, 30, 18910-18918.	2.2	14
7	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
8	Experimental investigation of 200 MeV $^{107}\text{Ag}^{14+}$ 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
9	Bio-Social Predictors of Hypertension Among Premenopausal and Postmenopausal Women. SAGE Open, 2015, 5, 215824401557422.	1.7	11
10	Body composition and fat distribution pattern of urban elderly females, Delhi, India. Collegium Antropologicum, 2005, 29, 493-8.	0.2	11
11	Polytype switching identification in 4H-SiC single crystal grown by PVT. Journal of Materials Science: Materials in Electronics, 2020, 31, 16343-16351.	2.2	8
12	Determinants of Health among Senior Citizens. Journal of Health Management, 2017, 19, 132-143.	1.1	7
13	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
14	Effect of pressure and time on the self catalyzed growth of epitaxial GaAs nanostructures by MOCVD. Vacuum, 2019, 164, 343-348.	3.5	7
15	Age, altitude and gender differences in body dimensions. Anthropologischer Anzeiger, 2008, 66, 419-434.	0.4	7
16	Nutritional Profile and Socio-Economic Status of Saharia, a Primitive Tribe of India. The Open Anthropology Journal, 2009, 2, 58-63.	0.4	6
17	GaN nanostructures by reactive ion etching: Mask and Maskless approach. Nano Structures Nano Objects, 2019, 18, 100284.	3.5	5
18	Suitability of thin-GaN for AlGaIn/GaN HEMT material and device. Journal of Materials Science, 2022, 57, 5913-5923.	3.7	5

#	ARTICLE	IF	CITATIONS
19	Nutritional status and cardio-respiratory functions among adult Raji males, a hunter and gatherer tribe of the Indian Himalayas. <i>Anthropological Science</i> , 2009, 117, 1-7.	0.4	4
20	Efficient fluorescence quenching of CdSe quantum dots on epitaxial GaAs nanostructures. <i>Journal of Nanoparticle Research</i> , 2019, 21, 1.	1.9	4
21	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
22	Functional Ability and Nutritional Status of Indian Elderly--!2009-09-26~!2009-10-28~!2010-09-02~!. <i>The Open Anthropology Journal</i> , 2010, 3, 200-205.	0.4	4
23	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
24	Age, altitude and gender differences in body dimensions. <i>Anthropologischer Anzeiger</i> , 2008, 66, 419-34.	0.4	4
25	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
26	Non Destructive Evaluation of AlGaIn/GaN HEMT structure by cathodoluminescence spectroscopy. <i>Journal of Luminescence</i> , 2021, 232, 117834.	3.1	3
27	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
28	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
29	Improvement in the crystalline quality of GaN and defects analysis using cathodoluminescence. <i>Materials Today: Proceedings</i> , 2021, 36, 631-636.	1.8	2
30	Investigation of carrier gas on morphological and structural characteristics of AlGaIn/GaN HEMT. <i>Materials Research Bulletin</i> , 2022, 153, 111875.	5.2	2
31	Optical characterization of InAlIn/AlIn/InGaIn/GaN/sapphire high electron mobility transistor structures. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
32	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
33	Optimization of AlN spacer layer in MOVPE grown AlGaIn/AlIn/InGaIn/GaN high electron mobility heterostructure. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	1
34	MOVPE growth and optimization of GRINSCH single quantum well AlGaAs/GaAs laser diodes. , 2007, , .		0
35	Growth of Uniform and Self-Aligned InAs Quantum Dots on Vicinal (100) GaAs Substrate by Metal Organic Chemical Vapor Deposition Technique for Laser Applications. <i>Integrated Ferroelectrics</i> , 2010, 119, 143-150.	0.7	0
36	Ethnic Diversity with Preventable Risk Factors for Cardiovascular Diseases. <i>Journal of Life Sciences</i> , 2017, 9, 1-10.	0.1	0