

Heber Vilchis

List of Publications by Year in descending order

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137
citing authors

#	ARTICLE	IF	CITATIONS
1	Cubic GaN layers grown by metalorganic chemical vapor deposition on GaN templates obtained by nitridation of GaAs. Thin Solid Films, 2012, 520, 5191-5194.	1.8	29
2	Structural and Raman studies of Ga ₂ O ₃ obtained on GaAs substrate. Materials Science in Semiconductor Processing, 2016, 41, 513-518.	4.0	20
3	Electrical behavior of Mg doped cubic GaN on c-GaN structure. Materials Science in Semiconductor Processing, 2015, 37, 68-72.	4.0	16
4	Trap density simulations on CZTSSe solar cells with AMPS-1D. Journal of Materials Science: Materials in Electronics, 2018, 29, 15445-15451.	2.2	14
5	Optimization of Cu(In, Ga)Se ₂ (CIGSe) thin film solar cells parameters through numerical simulation and experimental study. Solar Energy, 2021, 224, 298-308.	6.1	12
6	Numerical conversion efficiency of thermally isolated Seebeck nanoantennas. AIP Advances, 2016, 6, 115018.	1.3	7
7	Complex refractive index of In _x Ga _{1-x} N thin films grown on cubic (100) GaN/MgO. Thin Solid Films, 2017, 626, 55-59.	1.8	6
8	Cubic GaN films grown below the congruent sublimation temperature of (0 0 1) GaAs substrates by plasma-assisted molecular beam epitaxy. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2016, 34, .	1.2	4
9	Free standing c-GaN films grown by low-pressure metalorganic chemical vapor deposition on GaP (100) substrates. Materials Science in Semiconductor Processing, 2018, 74, 98-101.	4.0	4
10	Molecular dynamics simulation of cubic In _x Ga _(1-x) N layers growth by molecular beam epitaxy. Computational Materials Science, 2021, 193, 110387.	3.0	4
11	Characterization of GaN films grown on GaAs by AP-MOVPE. Journal of Physics: Conference Series, 2009, 167, 012049.	0.4	3
12	Efficiency of broadband terahertz rectennas based on self-switching nanodiodes. Journal of Photonics for Energy, 2017, 7, 025001.	1.3	3
13	Influence of III-V substrates on the texture, structural, and optical properties of CdS thin films deposited by chemical bath deposition. Journal of Materials Science: Materials in Electronics, 2020, 31, 4170-4177.	2.2	3
14	Effects in GaN films grown by MOVPE on GaAs due to the distance of heat source. , 2008, , .		1
15	A comparative analysis of synthesizing gallium nitride films: On gallium arsenide and sapphire substrates. , 2008, , .		0
16	A comparative analysis between nitride films on GaAs and epitaxial films of GaN by MOCVD system. , 2008, , .		0
17	Structural studies of cubic GaN films grown by MOCVD. , 2012, , .		0