

Heber Vilchis

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/499060/publications.pdf>

Version: 2024-02-01

17
papers

126
citations

1478505

6
h-index

1281871

11
g-index

17
all docs

17
docs citations

17
times ranked

137
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular dynamics simulation of cubic $\text{In}_x\text{Ga}_{(1-x)}\text{N}$ layers growth by molecular beam epitaxy. Computational Materials Science, 2021, 193, 110387.	3.0	4
2	Optimization of $\text{Cu}(\text{In}, \text{Ga})\text{Se}_2$ (CIGSe) thin film solar cells parameters through numerical simulation and experimental study. Solar Energy, 2021, 224, 298-308.	6.1	12
3	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
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	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
6	Complex refractive index of $\text{In}_x\text{Ga}_{1-x}\text{N}$ thin films grown on cubic (100) GaN/MgO. Thin Solid Films, 2017, 626, 55-59.	1.8	6
7	Efficiency of broadband terahertz rectennas based on self-switching nanodiodes. Journal of Photonics for Energy, 2017, 7, 025001.	1.3	3
8	Numerical conversion efficiency of thermally isolated Seebeck nanoantennas. AIP Advances, 2016, 6, 115018.	1.3	7
9	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
10	Structural and Raman studies of Ga_2O_3 obtained on GaAs substrate. Materials Science in Semiconductor Processing, 2016, 41, 513-518.	4.0	20
11	Electrical behavior of Mg doped cubic GaN on c-GaN structure. Materials Science in Semiconductor Processing, 2015, 37, 68-72.	4.0	16
12	Structural studies of cubic GaN films grown by MOCVD. , 2012, , .		0
13	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
14	Characterization of GaN films grown on GaAs by AP-MOVPE. Journal of Physics: Conference Series, 2009, 167, 012049.	0.4	3
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	Effects in GaN films grown by MOVPE on GaAs due to the distance of heat source. , 2008, , .		1