

Chad A Stephenson

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

93
citations

1684188

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1474206

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g-index

17
all docs

17
docs citations

17
times ranked

108
citing authors

#	ARTICLE	IF	CITATIONS
1	Band structure of germanium carbides for direct bandgap silicon photonics. Journal of Applied Physics, 2016, 120, .	2.5	25
2	Microwave Sintering and Melting of Titanium Powder for Low-Cost Processing. Key Engineering Materials, 0, 436, 131-140.	0.4	17
3	Demonstration of a 9â€“kV reverse breakdown and 59â€“mÎ©-cm ² specific on-resistance AlGaIn/GaN Schottky barrier diode. Solid-State Electronics, 2019, 151, 47-51.	1.4	11
4	Band Anticrossing in Dilute Germanium Carbides Using Hybrid Density Functionals. Journal of Electronic Materials, 2016, 45, 2121-2126.	2.2	9
5	Gas Source Techniques for Molecular Beam Epitaxy of Highly Mismatched Ge Alloys. Crystals, 2016, 6, 159.	2.2	6
6	The carbon state in dilute germanium carbides. Journal of Applied Physics, 2021, 129, 055701.	2.5	6
7	Ge quantum dots encapsulated by AlAs grown by molecular beam epitaxy on GaAs without extended defects. Applied Physics Letters, 2014, 104, .	3.3	5
8	Extended Defect Propagation in Highly Tensile-Strained Ge Waveguides. Crystals, 2017, 7, 157.	2.2	5
9	Millimeter-Wave Reactive Sintering of Neodymium-Doped Yttrium Aluminum Garnett. Materials Science Forum, 2010, 654-656, 2002-2005.	0.3	2
10	Stability of Tensile-Strained Ge Studied by Transmission Electron Microscopy. , 2012, , .		2
11	Self-assembled Ge QDs Formed by High-Temperature Annealing on Al(Ga)As (001). Journal of Electronic Materials, 2015, 44, 1338-1343.	2.2	2
12	Recent Advances in Microwave, Millimeter-Wave and Plasma-Assisted Processing of Materials. Materials Science Forum, 2010, 638-642, 2052-2057.	0.3	1
13	Analysis and design of core-shell upconverting nanostructures. , 2014, , .		1
14	Optimal Oxide Passivation of Ge for Optoelectronics. ECS Journal of Solid State Science and Technology, 2014, 3, P273-P276.	1.8	0
15	Band structure and characterization of dilute Ge:C alloys. , 2015, , .		0
16	Band structure of germanium carbides for direct bandgap photonics. , 2016, , .		0