

Rongdun Hong

List of Publications by Year in descending order

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papers

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docs citations

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citing authors

#	ARTICLE	IF	CITATIONS
1	Solution growth of crystalline ZnO thin film and its photodetector application. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2018, 104, 16-21.	2.7	16
2	High performance silicon carbide avalanche ultraviolet photodiode with dual operation models. <i>Electronics Letters</i> , 2016, 52, 1474-1476.	1.0	11
3	Enhancing the photoelectrical performance of graphene/4H-SiC/graphene detector by tuning a Schottky barrier by bias. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	11
4	Effect of epitaxial layer's thickness on spectral response of 4H-SiC ultraviolet photodiodes. <i>Electronics Letters</i> , 2019, 55, 216-218.	1.0	8
5	Local Avalanche Effect of 4H-SiC p-i-n Ultraviolet Photodiodes With Periodic Micro-Hole Arrays. <i>IEEE Electron Device Letters</i> , 2022, 43, 64-67.	3.9	7
6	Characteristics of graphene/4H-SiC/graphene photodetector based on hydrogenated multilayer-graphene electrode. <i>Journal of Nanophotonics</i> , 2019, 13, 1.	1.0	4
7	4H-SiC Nano-Pillar Avalanche Photodiode With Illumination-Dependent Characteristics. <i>IEEE Photonics Technology Letters</i> , 2011, 23, 816-818.	2.5	3
8	Nanoscale avalanche photodiode with self-quenching and ultrahigh ultraviolet/visible rejection ratio. <i>Optics Letters</i> , 2012, 37, 3651.	3.3	3
9	Effect of interfacial dipole on heterogeneous ice nucleation. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 375001.	1.8	3
10	Effect of rapid thermal annealing on Zn/ZnO layers. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 4075-4079.	2.2	2
11	TiNbO ₂ -Based Photodetectors With Low Dark Current and High UV-to-Visible Rejection Ratio. <i>IEEE Photonics Technology Letters</i> , 2016, 28, 837-840.	2.5	2
12	Raman Spectroscopy of Multi-Layer Graphene epitaxially Grown on 4H-SiC by Joule Heat Decomposition. <i>Nanoscale Research Letters</i> , 2018, 13, 197.	5.7	2
13	Charge layer optimized 4H-SiC SACM avalanche photodiode with low breakdown voltage and high gain. <i>Japanese Journal of Applied Physics</i> , 2019, 58, 100913.	1.5	2
14	Mg _x Zn _{1-x} O Prepared by the Sol-Gel Method and Its Application for Ultraviolet Photodetectors. <i>Journal of Electronic Materials</i> , 2020, 49, 4518-4523.	2.2	2
15	Ellipsometry, FTIR, Raman and X-Ray Spectroscopy Analysis of PECVD a-Si _{1-x} C _x :H Film. <i>Spectroscopy Letters</i> , 2010, 43, 298-305.	1.0	0
16	Optimization of 4H-SiC separated-absorption-charge-multiplication (SACM) avalanche photodiode with low avalanche breakdown voltage. , 2011, , .		0