

Gustavo Ardila

List of Publications by Year in descending order

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1040056

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914
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#	ARTICLE	IF	CITATIONS
1	Ultrathin Nanogenerators as Self-Powered/Active Skin Sensors for Tracking Eye Ball Motion. <i>Advanced Functional Materials</i> , 2014, 24, 1163-1168.	14.9	163
2	Performance Optimization of Vertical Nanowire-based Piezoelectric Nanogenerators. <i>Advanced Functional Materials</i> , 2014, 24, 971-977.	14.9	139
3	Nano-Newton Transverse Force Sensor Using a Vertical GaN Nanowire based on the Piezotronic Effect. <i>Advanced Materials</i> , 2013, 25, 883-888.	21.0	89
4	Performance of ZnO based piezo-generators under controlled compression. <i>Semiconductor Science and Technology</i> , 2017, 32, 064003.	2.0	34
5	Unveiling the Influence of Surface Fermi Level Pinning on the Piezoelectric Response of Semiconducting Nanowires. <i>Advanced Electronic Materials</i> , 2018, 4, 1700299.	5.1	25
6	Effects of thermal annealing on the structural and electrical properties of ZnO thin films for boosting their piezoelectric response. <i>Journal of Alloys and Compounds</i> , 2021, 870, 159512.	5.5	21
7	Dimensional Roadmap for Maximizing the Piezoelectrical Response of ZnO Nanowire-Based Transducers: Impact of Growth Method. <i>Nanomaterials</i> , 2021, 11, 941.	4.1	18
8	Low-Temperature Growth of ZnO Nanowires from Gravure-Printed ZnO Nanoparticle Seed Layers for Flexible Piezoelectric Devices. <i>Nanomaterials</i> , 2021, 11, 1430.	4.1	18
9	Morphology Transition of ZnO from Thin Film to Nanowires on Silicon and its Correlated Enhanced Zinc Polarity Uniformity and Piezoelectric Responses. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 29583-29593.	8.0	11
10	Optimization of dielectric matrix for ZnO nanowire based nanogenerators. <i>Journal of Physics: Conference Series</i> , 2016, 773, 012071.	0.4	8
11	A demonstration of the mechanical sensing capability of individually contacted vertical piezoelectric nanowires arranged in matrices. <i>Nano Energy</i> , 2019, 56, 859-867.	16.0	8
12	Size and Semiconducting Effects on the Piezoelectric Performances of ZnO Nanowires Grown onto Gravure-Printed Seed Layers on Flexible Substrates. <i>Nanoenergy Advances</i> , 2022, 2, 197-209.	7.7	8
13	High-frequency characterization and modeling of single metallic nanowires. <i>EPJ Applied Physics</i> , 2013, 63, 14406.	0.7	5
14	Tuneable polarity and enhanced piezoelectric response of ZnO thin films grown by metal-organic chemical vapour deposition through the flow rate adjustment. <i>Materials Advances</i> , 2022, 3, 498-513.	5.4	5
15	A de-embedding technique for metallic nanowires in microwave characterization. <i>Microelectronic Engineering</i> , 2013, 112, 241-248.	2.4	1
16	Scaling prospects in mechanical energy harvesting with piezo nanowires. <i>EPJ Applied Physics</i> , 2013, 63, 14407.	0.7	0