

Zhigang Xiao

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

128
citations

1478505

6
h-index

1281871

11
g-index

15
all docs

15
docs citations

15
times ranked

171
citing authors

#	ARTICLE	IF	CITATIONS
1	The fabrication of carbon nanotube electronic circuits with dielectrophoresis. <i>Microelectronic Engineering</i> , 2016, 164, 123-127.	2.4	26
2	Enhanced Silver Nanoparticle Synthesis by <i>Escherichia Coli</i> Transformed with <i>Candida Albicans</i> Metallothionein Gene. <i>Materials</i> , 2019, 12, 4180.	2.9	22
3	Comparison of Hafnium Dioxide and Zirconium Dioxide Grown by Plasma-Enhanced Atomic Layer Deposition for the Application of Electronic Materials. <i>Crystals</i> , 2020, 10, 136.	2.2	21
4	The fabrication of nanoscale Bi ₂ Te ₃ /Sb ₂ Te ₃ multilayer thin film-based thermoelectric power chips. <i>Microelectronic Engineering</i> , 2018, 197, 8-14.	2.4	13
5	Cooling effect of nanoscale Bi ₂ Te ₃ /Sb ₂ Te ₃ multilayered thermoelectric thin films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2012, 30, 041509.	2.1	10
6	On-Chip Sensing of Thermoelectric Thin Film's Merit. <i>Sensors</i> , 2015, 15, 17232-17240.	3.8	7
7	Dielectrophoresis-Based Positioning of Carbon Nanotubes for Wafer-Scale Fabrication of Carbon Nanotube Devices. <i>Micromachines</i> , 2021, 12, 12.	2.9	7
8	Expression of <i>Rhizobium tropici</i> phytochelatin synthase in <i>Escherichia coli</i> resulted in increased bacterial selenium nanoparticle synthesis. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	1.9	5
9	Fabrication of high-performance carbon nanotube field-effect transistors (CNTFETs) and CNTFET-based electronic circuits with semiconductors as the source/drain contact materials. , 2014, , .		3
10	Thermoelectric and optical properties of advanced thermoelectric devices from Ni/Bi ₂ Te ₃ /Ni and Ni/Sb ₂ Te ₃ /Ni thin films. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2017, 35, 051401.	1.2	3
11	Resistive Switching Properties of ZrO ₂ Film by Plasma-Enhanced Atomic Layer Deposition for Non-volatile Memory Applications. <i>Journal of Electronic Materials</i> , 2021, 50, 5396-5401.	2.2	3
12	Fabrication of Carbon Nanotube Field-Effect Transistors with Metal and Semiconductor Electrodes. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1057, 1057-II15-20-01.	0.1	2
13	Enhanced Extracellular Synthesis of Gold Nanoparticles by Soluble Extracts from <i>Escherichia coli</i> Transformed with <i>Rhizobium tropici</i> Phytochelatin Synthase Gene. <i>Metals</i> , 2021, 11, 472.	2.3	2
14	Atomic Layer Deposition of Nanolayered Carbon Films. <i>Journal of Carbon Research</i> , 2021, 7, 67.	2.7	2
15	Fabrication of field-effect transistors with transfer-free nanostructured carbon as the semiconducting channel material. <i>Nanotechnology</i> , 2020, 31, 485203.	2.6	2