

George Machado Jr

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

278
citations

1478505

6
h-index

1372567

10
g-index

11
all docs

11
docs citations

11
times ranked

572
citing authors

#	ARTICLE	IF	CITATIONS
1	Attomolar Label-Free Detection of DNA Hybridization with Electrolyte-Gated Graphene Field-Effect Transistors. <i>ACS Sensors</i> , 2019, 4, 286-293.	7.8	146
2	Graphene field-effect transistor array with integrated electrolytic gates scaled to 200 mm. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 085302.	1.8	40
3	Functionalization of single-layer graphene for immunoassays. <i>Applied Surface Science</i> , 2019, 480, 709-716.	6.1	29
4	Wafer scale fabrication of graphene microelectrode arrays for the detection of DNA hybridization. <i>Microelectronic Engineering</i> , 2018, 189, 85-90.	2.4	19
5	Influence of hydrogen plasma thermal treatment on the properties of ZnO:Al thin films prepared by dc magnetron sputtering. <i>Vacuum</i> , 2014, 107, 145-154.	3.5	16
6	Clean-Room Lithographical Processes for the Fabrication of Graphene Biosensors. <i>Materials</i> , 2020, 13, 5728.	2.9	15
7	Laser patterning of amorphous silicon thin films deposited on flexible and rigid substrates. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 1717-1727.	1.8	5
8	Field-effect transistors made of graphene grown on recycled copper foils. <i>Materials Chemistry and Physics</i> , 2020, 256, 123665.	4.0	4
9	Electrochemically Gated Graphene Field-Effect Transistor for Extracellular Cell Signal Recording. <i>IFIP Advances in Information and Communication Technology</i> , 2016, , 558-564.	0.7	2
10	0.4 millimeters vertically aligned carbon nanotubes from a cold wall CVD system at low pressure - Temperature analysis. <i>Carbon Trends</i> , 2022, 7, 100155.	3.0	2
11	Piezoresistor Sensor Fabrication by Direct Laser Writing on Hydrogenated Amorphous Silicon. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1594, 1.	0.1	0