

Karim A Elgammal

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

469
citations

1307366

7
h-index

1474057

9
g-index

11
all docs

11
docs citations

11
times ranked

996
citing authors

#	ARTICLE	IF	CITATIONS
1	Resistive graphene humidity sensors with rapid and direct electrical readout. <i>Nanoscale</i> , 2015, 7, 19099-19109.	2.8	252
2	Graphene-based CO ₂ sensing and its cross-sensitivity with humidity. <i>RSC Advances</i> , 2017, 7, 22329-22339.	1.7	68
3	Humidity and CO ₂ gas sensing properties of double-layer graphene. <i>Carbon</i> , 2018, 127, 576-587.	5.4	66
4	Comprehensive Characterization of the 4H-SiC Planar and Trench Gate MOSFETs From Cryogenic to High Temperature. <i>IEEE Transactions on Electron Devices</i> , 2019, 66, 4279-4286.	1.6	25
5	Performance-Enhanced Non-Enzymatic Glucose Sensor Based on Graphene-Heterostructure. <i>Sensors</i> , 2020, 20, 145.	2.1	21
6	Influence of Humidity on Contact Resistance in Graphene Devices. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 41738-41746.	4.0	17
7	Density functional calculations of graphene-based humidity and carbon dioxide sensors: effect of silica and sapphire substrates. <i>Surface Science</i> , 2017, 663, 23-30.	0.8	9
8	Modelling the static on-state current voltage characteristics for a 10 kV 4H-SiC PiN diode. <i>Materials Science in Semiconductor Processing</i> , 2020, 115, 105097.	1.9	6
9	Toward effective passivation of graphene to humidity sensing effects. , 2016, , .		3
10	Experimental and density functional theory studies of the novel piperidine-containing acetylene glycols. <i>Arkivoc</i> , 2016, 2016, 86-99.	0.3	2
11	Trilayer Graphene as a Candidate Material for Phase-Change Memory Applications. <i>MRS Advances</i> , 2016, 1, 1487-1494.	0.5	0