

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 | Performance-Enhanced Non-Enzymatic Glucose Sensor Based on Graphene-Heterostructure. <i>Sensors</i> , 2020, 20, 145. | 2.1 | 21 |
| 2 | Modelling the static on-state current voltage characteristics for a 10ÅkV 4HÅ€SiC PiN diode. <i>Materials Science in Semiconductor Processing</i> , 2020, 115, 105097. | 1.9 | 6 |
| 3 | 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 |
| 4 | Humidity and CO ₂ gas sensing properties of double-layer graphene. <i>Carbon</i> , 2018, 127, 576-587. | 5.4 | 66 |
| 5 | Influence of Humidity on Contact Resistance in Graphene Devices. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 41738-41746. | 4.0 | 17 |
| 6 | Graphene-based CO ₂ sensing and its cross-sensitivity with humidity. <i>RSC Advances</i> , 2017, 7, 22329-22339. | 1.7 | 68 |
| 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 | Toward effective passivation of graphene to humidity sensing effects. , 2016, , . | | 3 |
| 9 | Trilayer Graphene as a Candidate Material for Phase-Change Memory Applications. <i>MRS Advances</i> , 2016, 1, 1487-1494. | 0.5 | 0 |
| 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 | Resistive graphene humidity sensors with rapid and direct electrical readout. <i>Nanoscale</i> , 2015, 7, 19099-19109. | 2.8 | 252 |