

Sanghamitra Ghosal

List of Publications by Year in descending order

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papers

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1937685

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#	ARTICLE	IF	CITATIONS
1	A potential gas sensor device based on Pd/RGO/TiO ₂ nanotube ternary hybrid junction. Microelectronics Reliability, 2017, 78, 299-306.	1.7	15
2	Fabrication, Characterization, and Gas Sensing Performance of Pd, RGO, and MnO ₂ Nanoflowers-Based Ternary Junction Device. IEEE Transactions on Electron Devices, 2019, 66, 3982-3987.	3.0	10
3	Honeycomb Texturing of Hierarchical Nanoflowers of WO ₃ as an Efficient Route to Improve Repeatability and Stability of Room Temperature Vapor Sensor. IEEE Transactions on Device and Materials Reliability, 2020, 20, 84-91.	2.0	7
4	Understanding the Apparent Non-Reliability in the Sensing Characteristics of MnO ₂ Self-Assembled Hierarchical Nanostructure. IEEE Transactions on Device and Materials Reliability, 2018, 18, 628-635.	2.0	6
5	Irreversible n to p Transition and Corresponding Performance Improvement of RGO/TiO ₂ Nanotubes Hybrid Vapor Sensor Devices by Varying Electrophoretic Deposition Time. IEEE Nanotechnology Magazine, 2018, 17, 1098-1105.	2.0	4
6	Time Dependent Morphological Evolution of Hydrothermally Derived MnO ₂ Nanostructures and Corresponding Methanol Vapor Sensing Performance. IEEE Nanotechnology Magazine, 2019, 18, 502-508.	2.0	4
7	Hierarchical MnO ₂ Nanoflowers Based Efficient Room Temperature Alcohol Sensor. , 2018, , .		3
8	A review on the sensing performances for three different ternary hybrid (Pd/RGO/TiO ₂ -NTs,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 T 117-122.	1.0	3
9	Understanding the Improved Vapor Sensor Device Performance of Dual Surface Engineered WO ₃ Nanospheres Using Semi-Quantitative Energy Band Model. IEEE Electron Device Letters, 2020, 41, 912-915.	3.9	2
10	Influence of distributed reduced graphene oxide clusters on methanol sensing performance of TiO ₂ nanotube based device. CSI Transactions on ICT, 2018, 6, 71-76.	1.0	1
11	ZnO/RGO Heterojunction Based near Room Temperature Alcohol SENSOR with Improved Efficiency. Engineering Proceedings, 2021, 6, .	0.4	0
12	An Integrated Methanol Micro-Sensor Device with Embedded Ti/Pt Microheater and TiO ₂ Nanotube Array Sensing Layer. Sensor Letters, 2019, 17, 379-384.	0.4	0
13	Data-Driven Search for the Optimal Ag-Pd-Pt-Based Electrode Alloy Chemistry for ZnO-Based Methane Sensor. Journal of the Institution of Engineers (India): Series D, 0, , .	1.0	0