الدكتور محمد عيسى أبكر

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| **No.** | **Research Paper** | **Journal**  | **Date** |
| 1 | Efficient H2 gas sensor based on 2D SnO2 disks: Experimental and theoretical studies  | International Journal of Hydrogen Energy Available online  | 2019 |
| 2 | [Synthesis and Characterization of Mimosa Pudica Leaves Shaped α-Iron Oxide Nanostructures for Ethanol Chemical Sensor Applications](https://www.researchgate.net/publication/294119259_Synthesis_and_Characterization_of_Mimosa_Pudica_Leaves_Shaped_a-Iron_Oxide_Nanostructures_for_Ethanol_Chemical_Sensor_Applications?ev=prf_pub) J | ournal of Nanoscience and Nanotechnology Vol. 16, 2944–2949,  | 2016 |
| 3 |  Synthesis and Characterization of Gd-Doped ZnO Nanopencils for Acetone Sensing Application  | Science of Advanced Materials Vol. 6, pp. 1241–1246,  | 2015. |
| 4 | Fabrication and Characterization of Field Effect Transistor Based on High-Aspect Ratio Sulfur-Doped ZnO Nanowires,  | Journal of Nanoscience and Nanotechnology, Volume 15, Number 5, , pp. 3956-3961(6) | 2015 |
| 5 | [Nanocrystalline Na0.1V2O5.nH2O Xerogel Thin Film or Gas Sensing](https://www.researchgate.net/publication/268216645_Nanocrystalline_Na0.1V2O5.nH2O_Xerogel_Thin_Film_or_Gas_Sensing?ev=prf_pub), International  | Journal of Chemical, Nuclear, Metallurgical and Materials Engineering Vol:8 No:4,  | 2014 |
| 6 |  [Dendritic pine shaped α-Fe2O3 nanostructures as potential scaffold for highly-sensitive and selective glucose biosensor](https://www.researchgate.net/publication/265693843_Dendritic_pine_shaped_-Fe2O3_nanostructures_as_potential_scaffold_for_highly-sensitive_and_selective_glucose_biosensor?ev=prf_pub),  | New Journal of Chemistry  | 2014 |
| 7 |  Low- Temperature Growth of Aligned ZnO nanorods: Effect of Annealing Gases on the Structural and Optical Properties,  | Journal of Nanoscience and Nanotechnology, Volume 14, Number 6, , pp. 4564-4569(6) | 2014 |
| 8 | Electrical properties of solution processed p-SnS nanosheets/n-TiO2 heterojunction assembly,  | Appl. Phys. Lett. 103, 101602  | 2013 |
| 9 |  [Ce-doped ZnO nanorods for the detection of hazardous chemical](https://www.researchgate.net/publication/236616632_Ce-doped_ZnO_nanorods_for_the_detection_of_hazardous_chemical?ev=prf_pub). | Sensors and Actuators B Chemical; 173:72–78 | 2013 |
| 10 | [Visible-light-driven photocatalytic and chemical sensing properties of SnS2 nanoflakes](https://www.researchgate.net/publication/236616496_Visible-light-driven_photocatalytic_and_chemical_sensing_properties_of_SnS2_nanoflakes?ev=prf_pub),  | [Talanta](http://www.sciencedirect.com/science/journal/00399140) [114](http://www.sciencedirect.com/science/journal/00399140/114/supp/C), 183–190  | 2013 |
| 11 | [Synthesis and characterizations of Cd-doped ZnO multipods for environmental remediation application.](https://www.researchgate.net/publication/235667667_Synthesis_and_characterizations_of_Cd-doped_ZnO_multipods_for_environmental_remediation_application?ev=prf_pub) |  Journal of Nanoscience and Nanotechnology; 12(11):8453-8. | 2012 |
| 12 |  [CuO Nanocubes Based Highly-Sensitive 4-Nitrophenol Chemical Sensor](https://www.researchgate.net/publication/236681439_CuO_Nanocubes_Based_Highly-Sensitive_4-Nitrophenol_Chemical_Sensor?ev=prf_pub),.  | Science of Advanced Materials; 4:893-900 | 2012 |
| 13 |  [Growth and properties of Ag-doped ZnO nanoflowers for highly sensitive phenyl hydrazine chemical sensor application](https://www.researchgate.net/publication/223965309_Growth_and_properties_of_Ag-doped_ZnO_nanoflowers_for_highly_sensitive_phenyl_hydrazine_chemical_sensor_application?ev=prf_pub),  | Talanta; 93:257-63.  | 2012 |
| 14 | [Ultra-high sensitive ammonia chemical sensor based on ZnO nanopencils.](https://www.researchgate.net/publication/221784071_Ultra-high_sensitive_ammonia_chemical_sensor_based_on_ZnO_nanopencils?ev=prf_pub)  | Talanta; 89:155-61.  | 2012 |