

Assist. Prof. Dr. Husam Shakir Jasim Al-Salman

Nanotechnology physics

Physics Department, College of Science, University
of Basrah, Iraq

husam.jasim@uobasrah.edu.iq

[Homepage](#)

[Scopus](#)

[Google Scholar](#)

[Publons](#)

[ResearchGate](#)



Publications	Year
Low cost flexible ultraviolet photodetector based on ZnO nanorods prepared using chemical bath deposition SMS Al-Khazali, HS Al-Salman, A Hmood Materials Letters 277, 128177	2020
Retraction notice to:“Structural, optical, and electrical properties of Schottky diodes based on undoped and cobalt-doped ZnO nanorods prepared by RF-magnetron sputtering” MSB ... HS Al-Salman, MJ Abdullah Materials Science and Engineering: B 231, 128	2018
ZnO nanorods/polyaniline heterojunctions for low-power flexible light sensors RA Talib, MJ Abdullah, HS Al-Salman, SM Mohammad, NK Allam Materials Chemistry and Physics 181, 7-11	2016
Effect of growth time on structure, optical and photo-response characteristics of ZnO nanorods deposited onto various substrates RA Talib, MJ Abdullah, HS Al-Salman, SM Mohammad, NM Ahmed, ... Journal of Ovonic Research 12 (3), 171-184	2016
Annealing Effects on the Structural, Optical, and UV Photoresponse Properties of ZnO Nanostructures Prepared by RF-Magnetron Sputtering at Different Deposition Temperatures HS Al-Salman, MJ Abdullah	2015

Publications**Year**

Acta Metallurgica Sinica (English Letters) 28 (2), 230-242

Synthesis of Undoped and Co-doped ZnO Nanostructure by Rf-magnetron Sputtering for Uv Photodetection and Gas Sensing Applications 2015
HSJ al-Salman
Universiti Sains Malaysia

Hydrogen Sensing Based on ZnO Nanostructures Prepared by RF-Sputtering on Thermally Oxidized Porous Silicon 2015
HS Al-Salman, MJ Abdullah
Sensor Letters 13 (1), 32-39

Preparation of ZnO nanostructures by RF-magnetron sputtering on thermally oxidized porous silicon substrate for VOC sensing application 2015
HS Al-Salman, MJ Abdullah
Measurement 59, 248-257

Structural and photoluminescence properties of Co-doped ZnO nanorods prepared by RF-magnetron sputtering 2014
HS Al-Salman, MJ Abdullah
Advanced Materials Research 879, 32-37

Fabrication and characterization of undoped and cobalt-doped ZnO based UV photodetector prepared by RF-sputtering 2013
HS Al-Salman, MJ Abdullah
Journal of Materials Science & Technology 29 (12), 1139-1145

RETRACTED: Structural, optical, and electrical properties of Schottky diodes based on undoped and cobalt-doped ZnO nanorods prepared by RF-magnetron sputtering 2013
HS Al-Salman, MJ Abdullah
Materials Science and Engineering: B 178 (16), 1048-1056

Effect of Co-doping on the structure and optical properties of ZnO nanostructure prepared by RF-magnetron sputtering 2013
HS Al-Salman, MJ Abdullah
Superlattices and Microstructures 60, 349-357

Fabrication and characterization of ZnO thin film for hydrogen gas sensing prepared by RF-magnetron sputtering 2013
HS Al-Salman, MJ Abdullah
Measurement 46 (5), 1698-1703

Hydrogen gas sensing based on ZnO nanostructure prepared by RF-sputtering on quartz and PET substrates 2013

Publications**Year**

HS Al-Salman, MJ Abdullah

Sensors and Actuators B: Chemical 181, 259-266

ZnO thin film nanostructures for hydrogen gas sensing applications

2013

HS Al-Salman, MJ Abdullah, N Al-Hardan

Ceramics International 39, S447-S450

RF sputtering enhanced the morphology and photoluminescence of multi-oriented ZnO nanostructure produced by chemical vapor deposition

2013

HS Al-Salman, MJ Abdullah

Journal of alloys and compounds 547, 132-137

Optical and Structure properties of heavily Al-doped CdS Films

2010

HS Al-Salman

basrah journal of science 28 (1A english), 23-38