Mohd M Halim

List of Publications by Citations

27 papers	284 citations	11 h-index	16 g-index
30 ext. papers	352 ext. citations	2.8 avg, IF	3.46 L-index

#	Paper	IF	Citations
27	Morphological and structural characterization of single-crystal ZnO nanorod arrays on flexible and non-flexible substrates. *Beilstein Journal of Nanotechnology*, **2015**, 6, 720-5	3	44
26	Growth of vertically aligned ZnO nanorods on Teflon as a novel substrate for low-power flexible light sensors. *Applied Physics A: Materials Science and Processing*, **2015**, 119, 1197-1201	2.6	41
25	Mechanical and electronic properties of graphitic carbon nitride sheet: First-principles calculations. *Solid State Communications*, **2016**, 248, 144-150	1.6	25
24	A study of the effects of aligned vertically growth time on ZnO nanorods deposited for the first time on Teflon substrate. *Applied Surface Science*, **2017**, 426, 906-912	6.7	24
23	ZnO nanofiber (NFs) growth from ZnO nanowires (NWs) by controlling growth temperature on flexible Teflon substrate by CBD technique for UV photodetector. *Superlattices and Microstructures*, **2016**, 100, 1120-1127	2.8	23
22	First-principles investigation of graphitic carbon nitride monolayer with embedded Fe atom. *Surface Science*, **2018**, 667, 112-120	1.8	18
21	Geometric and electric properties of graphitic carbon nitride sheet with embedded single manganese atom under bi-axial tensile strain. *Current Applied Physics*, **2016**, 16, 809-815	2.6	17
20	Adsorption of atoms and molecules on s-triazine sheet with embedded manganese atom: First-principles calculations. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2017**, 381, 3664-3674	2.3	14
19	Fabrication and characterization of ZnO nanowires by wet oxidation of Zn thin film deposited on Teflon substrate. *Superlattices and Microstructures*, **2015**, 86, 236-242	2.8	14
18	Synthesis of Titanium Dioxide (TiO2)/Reduced Graphene Oxide (rGO) thin film composite by spray pyrolysis technique and its physical properties. *Materials Science in Semiconductor Processing*, **2020**, 116, 105140	4.3	12
17	Theoretical studies on mechanical and electronic properties of s-triazine sheet. *Philosophical Magazine*, **2017**, 97, 2077-2088	1.6	11
16	The effect of substrate temperatures on the structural and conversion of thin films of reduced graphene oxide. *Physica B: Condensed Matter*, **2019**, 572, 296-301	2.8	9
15	Effect of precursor concentration on the performance of UV photodetector using TiO2/reduced graphene oxide (rGO) nanocomposite. *Results in Physics*, **2020**, 19, 103630	3.7	9
14	Effects of atoms and molecules adsorption on electronic and magnetic properties of s-triazine with embedded Fe atom: DFT investigations. *Philosophical Magazine*, **2018**, 98, 1114-1129	1.6	8
13	Growth of ZnO Microstructure on Porous Silicon. *Solid State Phenomena*, **2019**, 290, 261-266	0.4	4
12	Influence of annealing time on random lasing from ZnO nanorods. *Results in Physics*, **2020**, 16, 102955	3.7	2
11	Laser Assisted Microstructuring of Amorphous Silicon for Microelectronics **2010**,		2

List of Publications

10	Influence of concentration on the geometry of ZnO nanostructures prepared by chemical bath deposition. *Journal of Physics: Conference Series*, **2019**, 1371, 012015	0.3	2
9	Growth and Structural Properties of Graphene Oxide Thin Film with Spray Pyrolysis Technique. *IOP Conference Series: Materials Science and Engineering*, **2018**, 409, 012007	0.4	2
8	Incorporation of Zinc Oxide on Macroporous Silicon Enhanced the Sensitivity of Macroporous Silicon MSM Photodetector. *ECS Journal of Solid State Science and Technology*, **2020**, 9, 105005	2	1
7	Effect of CBD growth times on the ZnO microrods prepared on macroporous silicon. *Applied Physics A: Materials Science and Processing*, **2021**, 127, 1	2.6	1
6	Efficiency improvement of molybdenum oxide doped with graphene oxide thin films solar cells processed by spray pyrolysis technique. *Physica B: Condensed Matter*, **2021**, 413532	2.8	0
5	The effect of spray cycles on the morphological, structural, and optical properties of rGO thin film deposited using spray pyrolysis technique. *Materials Science in Semiconductor Processing*, **2021**, 127, 105655	4.3	0
4	A polynomial model of transmission and reflection of electromagnetic monochromatic plane waves in lossless, non-magnetic multilayer thin films subjected to an external transverse voltage. *Optical and Quantum Electronics*, **2021**, 53, 1	2.4	0
3	Physical and optical effect of ZnO nanowalls to nanoflakes on random lasing emission. *Results in Physics*, **2021**, 27, 104528	3.7	0
2	Structural, optical, and electrical properties of spray-pyrolyzed MoO3 thin films by varying precursor molarity, as hole-selective contact for silicon-based heterojunction devices. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 21802-21812	2.1	
1	Effect of solution flow rate on the physical properties of spray pyrolyzed MoO3 thin films as silicon-based heterojunction device. *Superlattices and Microstructures*, **2021**, 107111	2.8	