

Mohd M Halim

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Efficiency improvement of molybdenum oxide doped with graphene oxide thin films solar cells processed by spray pyrolysis technique. <i>Physica B: Condensed Matter</i> , 2021 , 413532	2.8	0
26	The effect of spray cycles on the morphological, structural, and optical properties of rGO thin film deposited using spray pyrolysis technique. <i>Materials Science in Semiconductor Processing</i> , 2021 , 127, 105655	4.3	0
25	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. <i>Optical and Quantum Electronics</i> , 2021 , 53, 1	2.4	0
24	Physical and optical effect of ZnO nanowalls to nanoflakes on random lasing emission. <i>Results in Physics</i> , 2021 , 27, 104528	3.7	0
23	Effect of CBD growth times on the ZnO microrods prepared on macroporous silicon. <i>Applied Physics A: Materials Science and Processing</i> , 2021 , 127, 1	2.6	1
22	Effect of solution flow rate on the physical properties of spray pyrolyzed MoO ₃ thin films as silicon-based heterojunction device. <i>Superlattices and Microstructures</i> , 2021 , 107111	2.8	
21	Synthesis of Titanium Dioxide (TiO ₂)/Reduced Graphene Oxide (rGO) thin film composite by spray pyrolysis technique and its physical properties. <i>Materials Science in Semiconductor Processing</i> , 2020 , 116, 105140	4.3	12
20	Influence of annealing time on random lasing from ZnO nanorods. <i>Results in Physics</i> , 2020 , 16, 102955	3.7	2
19	Incorporation of Zinc Oxide on Macroporous Silicon Enhanced the Sensitivity of Macroporous Silicon MSM Photodetector. <i>ECS Journal of Solid State Science and Technology</i> , 2020 , 9, 105005	2	1
18	Effect of precursor concentration on the performance of UV photodetector using TiO ₂ /reduced graphene oxide (rGO) nanocomposite. <i>Results in Physics</i> , 2020 , 19, 103630	3.7	9
17	Structural, optical, and electrical properties of spray-pyrolyzed MoO ₃ thin films by varying precursor molarity, as hole-selective contact for silicon-based heterojunction devices. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 21802-21812	2.1	
16	The effect of substrate temperatures on the structural and conversion of thin films of reduced graphene oxide. <i>Physica B: Condensed Matter</i> , 2019 , 572, 296-301	2.8	9
15	Growth of ZnO Microstructure on Porous Silicon. <i>Solid State Phenomena</i> , 2019 , 290, 261-266	0.4	4
14	Influence of concentration on the geometry of ZnO nanostructures prepared by chemical bath deposition. <i>Journal of Physics: Conference Series</i> , 2019 , 1371, 012015	0.3	2
13	Effects of atoms and molecules adsorption on electronic and magnetic properties of s-triazine with embedded Fe atom: DFT investigations. <i>Philosophical Magazine</i> , 2018 , 98, 1114-1129	1.6	8
12	First-principles investigation of graphitic carbon nitride monolayer with embedded Fe atom. <i>Surface Science</i> , 2018 , 667, 112-120	1.8	18
11	Growth and Structural Properties of Graphene Oxide Thin Film with Spray Pyrolysis Technique. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 409, 012007	0.4	2

10	Theoretical studies on mechanical and electronic properties of s-triazine sheet. <i>Philosophical Magazine</i> , 2017 , 97, 2077-2088	1.6	11
9	Adsorption of atoms and molecules on s-triazine sheet with embedded manganese atom: First-principles calculations. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017 , 381, 3664-3674	2.3	14
8	A study of the effects of aligned vertically growth time on ZnO nanorods deposited for the first time on Teflon substrate. <i>Applied Surface Science</i> , 2017 , 426, 906-912	6.7	24
7	ZnO nanofiber (NFs) growth from ZnO nanowires (NWs) by controlling growth temperature on flexible Teflon substrate by CBD technique for UV photodetector. <i>Superlattices and Microstructures</i> , 2016 , 100, 1120-1127	2.8	23
6	Geometric and electric properties of graphitic carbon nitride sheet with embedded single manganese atom under bi-axial tensile strain. <i>Current Applied Physics</i> , 2016 , 16, 809-815	2.6	17
5	Mechanical and electronic properties of graphitic carbon nitride sheet: First-principles calculations. <i>Solid State Communications</i> , 2016 , 248, 144-150	1.6	25
4	Fabrication and characterization of ZnO nanowires by wet oxidation of Zn thin film deposited on Teflon substrate. <i>Superlattices and Microstructures</i> , 2015 , 86, 236-242	2.8	14
3	Growth of vertically aligned ZnO nanorods on Teflon as a novel substrate for low-power flexible light sensors. <i>Applied Physics A: Materials Science and Processing</i> , 2015 , 119, 1197-1201	2.6	41
2	Morphological and structural characterization of single-crystal ZnO nanorod arrays on flexible and non-flexible substrates. <i>Beilstein Journal of Nanotechnology</i> , 2015 , 6, 720-5	3	44
1	Laser Assisted Microstructuring of Amorphous Silicon for Microelectronics 2010 ,		2