

# Nabeel Ali Bakr

## List of Publications by Citations

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34  
papers

457  
citations

10  
h-index

21  
g-index

37  
ext. papers

503  
ext. citations

3.1  
avg, IF

3.36  
L-index

#	Paper	IF	Citations
34	Determination of the optical parameters of a-Si:H thin films deposited by hot wire chemical vapour deposition technique using transmission spectrum only <b>2011</b> , 76, 519-531		97
33	Highly efficient photo-degradation of methyl blue and band gap shift of SnS nanoparticles under different sonication frequencies. <i>Materials Science in Semiconductor Processing</i> , <b>2015</b> , 32, 172-178	4.3	78
32	Influence of hydrogen dilution on structural, electrical and optical properties of hydrogenated nanocrystalline silicon (nc-Si:H) thin films prepared by plasma enhanced chemical vapour deposition (PE-CVD). <i>Solar Energy Materials and Solar Cells</i> , <b>2008</b> , 92, 1217-1223	6.4	77
31	Facile synthesis of different morphologies of Te-doped ZnO nanostructures. <i>Ceramics International</i> , <b>2014</b> , 40, 7737-7743	5.1	30
30	Optical and thermal spectroscopic studies of luminescent dye doped poly(methyl methacrylate) as solar concentrator. <i>Journal of Applied Polymer Science</i> , <b>1999</b> , 74, 3316-3323	2.9	24
29	Deposition of hydrogenated amorphous silicon (a-Si:H) films by hot-wire chemical vapor deposition (HW-CVD) method: Role of substrate temperature. <i>Solar Energy Materials and Solar Cells</i> , <b>2007</b> , 91, 714-720	6.4	20
28	Influence of deposition pressure on structural, optical and electrical properties of nc-Si:H films deposited by HW-CVD. <i>Journal of Physics and Chemistry of Solids</i> , <b>2011</b> , 72, 685-691	3.9	16
27	Relaxation phenomena and electrical conductivity of some polymeric films. <i>European Polymer Journal</i> , <b>1982</b> , 18, 975-980	5.2	13
26	Optical and electrical conductivity investigations of Fe <sup>3+</sup> -(acrylonitrile-butadiene-styrene) terpolymer complex systems. <i>Journal of Materials Research</i> , <b>1995</b> , 10, 2653-2658	2.5	11
25	Characterization of a CdZnTe/CdTe heterostructure system prepared by Zn diffusion into a CdTe thin film. <i>Journal of Crystal Growth</i> , <b>2002</b> , 235, 217-223	1.6	10
24	Refractive index, extinction coefficient and DC conductivity of amorphous arsenic triselenide thin film doped with silver. <i>Thin Solid Films</i> , <b>2003</b> , 424, 296-302	2.2	10
23	H <sub>2</sub> S gas sensitivity of PANi nano fibers synthesized by hydrothermal method. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 11208-11214	2.1	7
22	Influence of Thiourea Concentration on Some Physical Properties of Chemically Sprayed Cu <sub>2</sub> ZnSnS <sub>4</sub> Thin Films. <i>International Journal of Materials Science and Applications</i> , <b>2016</b> , 5, 261	0.3	7
21	Fabrication and Efficiency Enhancement of Z907 Dye Sensitized Solar Cell Using Gold Nanoparticles. <i>Journal of Advanced Physics</i> , <b>2017</b> , 6, 370-374		7
20	Role of argon in hot wire chemical vapor deposition of hydrogenated nanocrystalline silicon thin films. <i>Thin Solid Films</i> , <b>2011</b> , 519, 3501-3508	2.2	6
19	Synthesis and characterization of MAPbI <sub>3</sub> thin film and its application in C-Si/perovskite tandem solar cell. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 16199-16207	2.1	6
18	Condensation process and physical properties of GeSe(In, Cd) thin films prepared by semi-closed space technique. <i>Journal of Materials Processing Technology</i> , <b>2003</b> , 132, 138-142	5.3	5

17	Mechanical and optical investigations of some polymer blends containing PVC. <i>Polymer Testing</i> , <b>1996</b> , 15, 281-289	4.5	5
16	Characterization of ethylene vinyl alcohol copolymer doped with chlorophyll. <i>Polymer Testing</i> , <b>2002</b> , 21, 571-576	4.5	4
15	Characteristics of CdSe: In-ZnTe: As thin film heterojunctions prepared by semi-closed space technique. <i>Journal of Crystal Growth</i> , <b>1994</b> , 142, 298-302	1.6	4
14	Microstructure and mechanical properties studies of poly(vinyl alcohol) lead salts complexes. <i>Journal of Applied Polymer Science</i> , <b>1995</b> , 55, 415-420	2.9	4
13	Thermally stimulated current of iodine-doped acrylonitrile butadiene styrene thin films. <i>Journal of Applied Polymer Science</i> , <b>1993</b> , 47, 2143-2147	2.9	4
12	Electrodeposition of Cu/ZnO nanocomposites: Effect of growth conditions on morphologies and surface properties. <i>Materials Science in Semiconductor Processing</i> , <b>2014</b> , 27, 507-514	4.3	3
11	Structural and optical properties of Cu <sub>2</sub> ZnSnS <sub>4</sub> thin films fabricated by chemical spray pyrolysis <b>2020</b> ,		2
10	Improve the Performance of Porous Silicon for solar application by the embedding of Lithium Oxide nanoparticle. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 928, 072142	0.4	1
9	Influence of Argon Flow on Deposition of Hydrogenated Nanocrystalline Silicon (nc-Si:H) Films by Plasma Chemical Vapor Deposition. <i>Journal of Nano Research</i> , <b>2009</b> , 5, 185-191	1	1
8	Applications of the virtual charge model to the electronic structures and spectra of benzaldehyde and acetophenone. <i>Monatshefte für Chemie</i> , <b>1991</b> , 122, 349-358	1.4	1
7	The influence of Deposition Temperature on the Properties of Chemically Sprayed Nanostructured Cu <sub>2</sub> CdSnS <sub>4</sub> Thin Films. <i>International Research Journal of Science and Technology</i> , 149-155		1
6	Synthesis and Characterization of Chemically Sprayed Cu <sub>2</sub> FeSnS <sub>4</sub> (CFTS) Thin Films: The Effect of Substrate Temperature. <i>Materials Science Forum</i> , 1039, 434-441	0.4	1
5	Morphological, Magnetic, Optical, Surface Potential, and H <sub>2</sub> S Gas Sensing Behavior of Polypyrrole Nanofibers. <i>Journal of Electronic Materials</i> , <b>2021</b> , 50, 2716-2724	1.9	1
4	The electrical and mechanical properties of Cadmium chloride reinforced PVA:PVP blend films. <i>Papers in Physics</i> , 12, 120006		0
3	Photovoltaic effect in polymer semiconductor heterojunction. <i>Journal of Applied Polymer Science</i> , <b>2001</b> , 79, 2425-2430	2.9	
2	The transport properties of battery carbon. <i>Carbon</i> , <b>1990</b> , 28, 231-232	10.4	
1	Synthesis, Characterization and H <sub>2</sub> S Gas Sensor Performance of Hydrothermal Prepared SnO <sub>2</sub> Films Nanostructures. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2021</b> , 790, 012085	0.3	