Nabeel Ali Bakr

List of Publications by Year in Descending Order

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Version: 2024-04-28

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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.

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	Synthesis, Characterization and H2S Gas Sensor Performance of Hydrothermal Prepared SnO2 Films Nanostructures. *IOP Conference Series: Earth and Environmental Science*, **2021**, 790, 012085	0.3	
33	Morphological, Magnetic, Optical, Surface Potential, and H2S Gas Sensing Behavior of Polypyrrole Nanofibers. *Journal of Electronic Materials*, **2021**, 50, 2716-2724	1.9	1
32	Improve the Performance of Porous Silicon for solar application by the embedding of Lithium Oxide nanoparticle. *IOP Conference Series: Materials Science and Engineering*, **2020**, 928, 072142	0.4	1
31	Structural and optical properties of Cu2ZnSnS4 thin films fabricated by chemical spray pyrolysis **2020**,		2
30	Synthesis and characterization of MAPbI3 thin film and its application in C-Si/perovskite tandem solar cell. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 16199-16207	2.1	6
29	H2S gas sensitivity of PAni nano fibers synthesized by hydrothermal method. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 11208-11214	2.1	7
28	Fabrication and Efficiency Enhancement of Z907 Dye Sensitized Solar Cell Using Gold Nanoparticles. *Journal of Advanced Physics*, **2017**, 6, 370-374		7
27	Influence of Thiourea Concentration on Some Physical Properties of Chemically Sprayed Cu₂ZnSnS₄ Thin Films. *International Journal of Materials Science and Applications*, **2016**, 5, 261	0.3	7
26	Highly efficient photo-degradation of methyl blue and band gap shift of SnS nanoparticles under different sonication frequencies. *Materials Science in Semiconductor Processing*, **2015**, 32, 172-178	4.3	78
25	Facile synthesis of different morphologies of Te-doped ZnO nanostructures. *Ceramics International*, **2014**, 40, 7737-7743	5.1	30
24	Electrodeposition of Cu2O/ZnO nanocomposites: Effect of growth conditions on morphologies and surface properties. *Materials Science in Semiconductor Processing*, **2014**, 27, 507-514	4.3	3
23	Determination of the optical parameters of a-Si:H thin films deposited by hot wire-chemical vapour deposition technique using transmission spectrum only **2011**, 76, 519-531		97
22	Influence of deposition pressure on structural, optical and electrical properties of nc-Si:H films deposited by HW-CVD. *Journal of Physics and Chemistry of Solids*, **2011**, 72, 685-691	3.9	16
21	Role of argon in hot wire chemical vapor deposition of hydrogenated nanocrystalline silicon thin films. *Thin Solid Films*, **2011**, 519, 3501-3508	2.2	6
20	Influence of Argon Flow on Deposition of Hydrogenated Nanocrystalline Silicon (nc-Si:H) Films by Plasma Chemical Vapor Deposition. *Journal of Nano Research*, **2009**, 5, 185-191	1	1
19	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). *Solar Energy Materials and Solar Cells*, **2008**, 92, 1217-1223	6.4	77
18	Deposition of hydrogenated amorphous silicon (a-Si:H) films by hot-wire chemical vapor deposition (HW-CVD) method: Role of substrate temperature. *Solar Energy Materials and Solar Cells*, **2007**, 91, 714-720	6.4	20

17	Refractive index, extinction coefficient and DC conductivity of amorphous arsenic triselenide thin film doped with silver. *Thin Solid Films*, **2003**, 424, 296-302	2.2	10
16	Condensation process and physical properties of GeSe(In, Cd) thin films prepared by semi-closed space technique. *Journal of Materials Processing Technology*, **2003**, 132, 138-142	5.3	5
15	Characterization of ethylene□inylalcohol copolymer doped with chlorophyll. *Polymer Testing*, **2002**, 21, 571-576	4.5	4
14	Characterization of a CdZnTe/CdTe heterostructure system prepared by Zn diffusion into a CdTe thin film. *Journal of Crystal Growth*, **2002**, 235, 217-223	1.6	10
13	Photovoltaic effect in polymer□emiconductor heterojunction. *Journal of Applied Polymer Science*, **2001**, 79, 2425-2430	2.9	
12	Optical and thermal spectroscopic studies of luminescent dye doped poly(methyl methacrylate) as solar concentrator. *Journal of Applied Polymer Science*, **1999**, 74, 3316-3323	2.9	24
11	Mechanical and optical investigations of some polymer blends containing PVC. *Polymer Testing*, **1996**, 15, 281-289	4.5	5
10	Optical and electrical conductivity investigations of Fe3+-(acrylonitrile-butadiene-styrene) terpolymer complex systems. *Journal of Materials Research*, **1995**, 10, 2653-2658	2.5	11
9	Microstructure and mechanical properties studies of poly(vinyl alcohol)□ead salts complexes. *Journal of Applied Polymer Science*, **1995**, 55, 415-420	2.9	4
8	Characteristics of CdSe: In-ZnTe: As thin film heterojunctions prepared by semi-closed space technique. *Journal of Crystal Growth*, **1994**, 142, 298-302	1.6	4
7	Thermally stimulated current of iodine-doped acrylonitrile□utadiene□tyrene thin films. *Journal of Applied Polymer Science*, **1993**, 47, 2143-2147	2.9	4
6	Applications of the virtual charge model to the electronic structures and spectra of benzaldehyde and acetophenone. *Monatshefte F□ Chemie*, **1991**, 122, 349-358	1.4	1
5	The transport properties of battery carbon. *Carbon*, **1990**, 28, 231-232	10.4	
4	Relaxation phenomena and electrical conductivity of some polymeric films. *European Polymer Journal*, **1982**, 18, 975-980	5.2	13
3	The electrical and mechanical properties of Cadmium chloride reinforced PVA:PVP blend films. *Papers in Physics*,12, 120006		0
2	The influence of Deposition Temperature on the Properties of Chemically Sprayed Nanostructured Cu2CdSnS4 Thin Films. *International Research Journal of Science and Technology*,149-155		1
1	Synthesis and Characterization of Chemically Sprayed Cu2FeSnS4 (CFTS) Thin Films: The Effect of Substrate Temperature. *Materials Science Forum*,1039, 434-441	0.4	1