

# Mahmmoud S Abd El-Sadek

## List of Publications by Year in descending order

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60  
papers

1,636  
citations

304743

22  
h-index

302126

39  
g-index

60  
all docs

60  
docs citations

60  
times ranked

2129  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Al <sub>2</sub> O <sub>3</sub> on the structural, optical and mechanical properties of B <sub>2</sub> O <sub>3</sub> -CaO-SiO <sub>2</sub> -P <sub>2</sub> O <sub>5</sub> -Na <sub>2</sub> O glass system. <i>Optik</i> , 2022, 250, 168281.	2.9	8
2	Morphological, structural, and optical properties of flexible Tin Oxide(II) thin film via thermal evaporation technique. <i>European Physical Journal Plus</i> , 2022, 137, 1.	2.6	10
3	Microstructural Analysis and Optical Properties of Lead Zirconate Nanoparticles. <i>Jom</i> , 2021, 73, 630-639.	1.9	2
4	Controlled morphological and physical properties of ZnO nanostructures synthesized by domestic microwave route. <i>Materials Chemistry and Physics</i> , 2021, 258, 123885.	4.0	12
5	Multiferroic BiFeO <sub>3</sub> dithizone functionalized as optical sensor for detection and determination of some heavy metals in environmental samples. <i>Bulletin of Materials Science</i> , 2021, 44, 1.	1.7	3
6	Effect of transparent conducting substrates on the structure and optical properties of tin (II) oxide (SnO) thin films: Comparative study. <i>Ceramics International</i> , 2021, 47, 13510-13518.	4.8	42
7	Annealing temperature effect to optimize the optical properties of SnS thin films. <i>European Physical Journal Plus</i> , 2021, 136, 1.	2.6	7
8	Optical linearity and bandgap analysis of RhB-doped PMMA/FTO polymeric composites films: A new designed optical system for laser power attenuation. <i>Optics and Laser Technology</i> , 2020, 121, 105823.	4.6	35
9	Combined Supplementation of Nano-Zinc Oxide and Thyme Oil Improves the Nutrient Digestibility and Reproductive Fertility in the Male Californian Rabbits. <i>Animals</i> , 2020, 10, 2234.	2.3	15
10	Effects of Ca doping on structural and optical properties of PZT nanopowders. <i>Results in Physics</i> , 2020, 19, 103580.	4.1	11
11	Structural analysis, optical and mechanical properties of TixZr1-xO2 nanoparticles synthesized by modified co-precipitation route. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	7
12	Influence of PbO phase content on structural and optical properties of PZT nanopowders. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 2315-2327.	3.1	6
13	Dual nanofiber scaffolds composed of polyurethane- gelatin/nylon 6- gelatin for bone tissue engineering. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 597, 124817.	4.7	34
14	Novel synthesis, structural, optical properties and antibacterial activity of ZnO nanoparticles. <i>Materials Research Express</i> , 2019, 6, 055003.	1.6	8
15	Nutritional impact of nano-selenium, garlic oil, and their combination on growth and reproductive performance of male Californian rabbits. <i>Animal Feed Science and Technology</i> , 2019, 249, 37-45.	2.2	18
16	Design and microelectronic analysis of Au/ZnTe://CdTe://GaAs/In photosensor for optoelectronic applications using MBE technology. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 4936-4942.	2.2	4
17	Simultaneous synthesis of various Sb <sub>2</sub> S <sub>3</sub> nanostructures by vapor transport technique. <i>Materials Chemistry and Physics</i> , 2019, 235, 121750.	4.0	17
18	X-ray peak profile analysis and optical properties of CdS nanoparticles synthesized via the hydrothermal method. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	34

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19	Synthesis and optical properties of CdSe/CdS core/shell nanocrystals. <i>Materials Science-Poland</i> , 2019, 37, 149-157.	1.0	2
20	Influence of reaction time and synthesis temperature on the physical properties of ZnO nanoparticles synthesized by the hydrothermal method. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	53
21	Titanium Dioxide Nanoparticles Improve Growth and Enhance Tolerance of Broad Bean Plants under Saline Soil Conditions. <i>Land Degradation and Development</i> , 2018, 29, 1065-1073.	3.9	222
22	CdS@Mn(OH) <sub>2</sub> nanocomposites: Novel aqueous synthesis, structural and optical properties. <i>European Physical Journal Plus</i> , 2018, 133, 1.	2.6	3
23	Linear and nonlinear optical properties of nano-spherical Perylenetetracarboxylic dianhydride/ITO as a new optical system. <i>Optics and Laser Technology</i> , 2018, 108, 241-246.	4.6	22
24	Facile synthesis, structural, electrical and dielectric properties of CdSe/CdS core-shell quantum dots. <i>Vacuum</i> , 2018, 157, 291-298.	3.5	9
25	Influence of Illumination on the Electrical Properties of p-(ZnMgTe/ZnTe:N)/CdTe/n-(CdTe:I)/GaAs Heterojunction Grown by Molecular Beam Epitaxy (MBE). <i>Journal of Electronic Materials</i> , 2017, 46, 1061-1066.	2.2	3
26	Novel and highly stable indigo (C.I. Vat Blue I) organic semiconductor dye: Crystal structure, optically diffused reflectance and the electrical conductivity/dielectric behaviors. <i>Dyes and Pigments</i> , 2017, 146, 66-72.	3.7	18
27	Investigation of defects in indium doped TiO <sub>2</sub> thin films using electrical and optical techniques. <i>Journal of Alloys and Compounds</i> , 2017, 698, 883-891.	5.5	16
28	Investigation of electrically active defects in InGaAs quantum wire intermediate-band solar cells using deep-level transient spectroscopy technique. <i>Nanotechnology</i> , 2017, 28, 045707.	2.6	11
29	Comparative Study on Three Different Methods for Synthesis of a Pure Nano Multiferroic BiFeO <sub>3</sub> . <i>Advanced Science, Engineering and Medicine</i> , 2017, 9, 461-468.	0.3	3
30	Structural, humidity sensing and dielectric properties of Ca-modified Ba(Ti <sub>0.9</sub> Sn <sub>0.1</sub> )O <sub>3</sub> lead free ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 7622-7632.	2.2	6
31	Hyperfine interaction and tuning of magnetic anisotropy of Cu doped CoFe <sub>2</sub> O <sub>4</sub> ferrite nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 411, 91-97.	2.3	85
32	Thermal annealing effect on the structural and the optical properties of Nano CdTe films. <i>Optik</i> , 2015, 126, 1352-1357.	2.9	101
33	Effect of $\beta^3$ -irradiation on Structural and Optical Ellipsometry Parameters of ZnO Nanocrystalline Thin Films. <i>International Journal of Thin Film Science and Technology</i> , 2014, 3, 129-141.	0.6	4
34	Synthesis, Characterization and Antibiotics Labeling Affinity of CdTe Quantum Dots. <i>Nanoscience and Nanotechnology Letters</i> , 2014, 6, 18-25.	0.4	5
35	Synthesis, thermal characterization, and antimicrobial activity of lanthanum, cerium, and thorium complexes of amino acid Schiff base ligand. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 112, 671-681.	3.6	33
36	Electrical and magnetic transport properties of Ni <sup>2+</sup> -Cu <sup>2+</sup> -Mg ferrite nanoparticles prepared by sol-gel method. <i>Journal of Alloys and Compounds</i> , 2013, 566, 112-119.	5.5	80

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37	Effect of metal oxide morphology on electron injection from CdSe quantum dots to ZnO. Applied Physics Letters, 2013, 102, 163119.	3.3	33
38	Extraordinary high dielectric constant, electrical and magnetic properties of ferrite nanoparticles at room temperature. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	43
39	Optical properties of Al-CdO nano-clusters thin films. Superlattices and Microstructures, 2013, 64, 178-184.	3.1	50
40	Photoluminescence and optical dispersion parameters of N-doped ZnO nano-fiber thin films. Journal of Electroceramics, 2013, 30, 152-158.	2.0	5
41	Synthesis, diffused reflectance and electrical properties of nanocrystalline Fe-doped ZnO via sol-gel calcination technique. Optics and Laser Technology, 2013, 48, 447-452.	4.6	197
42	Optical properties of nano-structured Pt/FTO counter electrode for QDSSCs. , 2013, , .		0
43	The Anti-Fasciolasis Properties of Silver Nanoparticles Produced by Trichoderma harzianum and Their Improvement of the Anti-Fasciolasis Drug Triclabendazole. International Journal of Molecular Sciences, 2013, 14, 21887-21898.	4.1	45
44	Synthesis, electrical properties and transport mechanisms of thermally vacuum evaporated CdTe nanocrystalline thin films. Solid State Communications, 2012, 152, 1644-1649.	1.9	12
45	Spectroscopic ellipsometry investigations of the optical constants of nanocrystalline SnS thin films. Physica Scripta, 2012, 86, 015702.	2.5	36
46	Methyl orange (C.I. acid orange 52) as a new organic semiconductor: Conduction mechanism and dielectrical relaxation. Dyes and Pigments, 2012, 93, 1434-1440.	3.7	25
47	Electronic transport mechanism of CdTe nanocrystalline. Materials Chemistry and Physics, 2011, 130, 591-597.	4.0	6
48	A controlled approach for synthesizing CdTe@CrOOH (core-shell) composite nanoparticles. Current Applied Physics, 2011, 11, 926-932.	2.4	15
49	CdTe@Cu(OH) <sub>2</sub> nanocomposite: Aqueous synthesis and characterization. Journal of Solid State Chemistry, 2011, 184, 1135-1140.	2.9	4
50	Influence of different stabilizers on the optical and nonlinear optical properties of CdTe nanoparticles. Optics Communications, 2011, 284, 2900-2904.	2.1	43
51	Linear and Nonlinear Optical Properties of Mercaptoacetic Acid-Capped CdTe Nanoparticles by Z-Scan Technique. Nanoscience and Nanotechnology Letters, 2011, 3, 637-642.	0.4	1
52	Photoinduced Interaction of MPA-Capped CdTe Quantum Dots with Denatured Bovine Serum Albumin. Nanoscience and Nanotechnology Letters, 2011, 3, 125-130.	0.4	1
53	The role of potassium tellurite as tellurium source in mercaptoacetic acid-capped CdTe nanoparticles. Current Applied Physics, 2010, 10, 317-322.	2.4	27
54	Aqueous synthesis and characterization of CdTe@Co(OH) <sub>2</sub> (core-shell) composite nanoparticles. Materials Chemistry and Physics, 2010, 124, 592-599.	4.0	5

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55	Synthesis and optical characterization of nanocrystalline CdTe thin films. Optics and Laser Technology, 2010, 42, 1181-1186.	4.6	53
56	Growth and optical characterization of colloidal CdTe nanoparticles capped by a bifunctional molecule. Physica B: Condensed Matter, 2010, 405, 3279-3283.	2.7	26
57	Selective synthesis and characterization of CdTe@Mn(OH) <sub>2</sub> (core-shell) composite nanoparticles. Journal of Alloys and Compounds, 2010, 496, 589-594.	5.5	5
58	Semiconductor parameters of Bi <sub>2</sub> Te <sub>3</sub> single crystal. Materials Chemistry and Physics, 2009, 113, 385-388.	4.0	22
59	Optical properties of thiol-stabilised CdTe nanoparticles. International Journal of Nanoparticles, 2009, 2, 20.	0.3	6
60	Transport properties of Bi <sub>2</sub> S <sub>3</sub> single crystals. Physica B: Condensed Matter, 2008, 403, 1655-1659.	2.7	27