

Abdelfattah Mohammed Mansour

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/424079/publications.pdf>

Version: 2024-02-01

65
papers

1,499
citations

236925

25
h-index

395702

33
g-index

65
all docs

65
docs citations

65
times ranked

517
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectroscopic Study of Eu ³⁺ -Doped Magnesium Lanthanum Phosphate (MLPO) Films on SiO ₂ Substrate. Silicon, 2022, 14, 1227-1234.	3.3	14
2	Structural, Morphological, and Optical Characterization of MoO ₃ Thin Films and MoO ₃ /p-Si Based Diode. Silicon, 2022, 14, 2189-2199.	3.3	11
3	Structural and Opto-Magnetic Properties of Nickel Magnesium Copper Zircon Silicate Nano-Composite for Suppress the Spread of Foodborne Pathogenic bacteria. Silicon, 2022, 14, 6645-6660.	3.3	23
4	The Spectroscopic and Antimicrobial Yield of Sol-Gel Derived Zinc Copper Silicate/E102 Nanoclusters. ECS Journal of Solid State Science and Technology, 2022, 11, 013003.	1.8	0
5	Structure, morphology, optical and magnetic studies of Fe ₃ O ₄ -doped CdS nanocomposite. Journal of Materials Science: Materials in Electronics, 2022, 33, 10251-10258.	2.2	8
6	Impact of Cu concentration on the properties of sol-gel spin-coated Cu-ZnZrSnO thin films: evaluation of Ag/Cu-ZrZnSn/p-Si/Al Schottky diodes. Silicon, 2022, 14, 10837-10847.	3.3	5
7	Spectroscopic and magnetic properties of Co _{0.15} Al _{0.25} -xNi _{0.6} +xFe ₂ O ₄ nanocomposites aided by silica for prohibiting pathogenic bacteria during sewage handling. Environmental Nanotechnology, Monitoring and Management, 2022, 18, 100672.	2.9	8
8	Silica Zinc Titanate Wide Bandgap Semiconductor Nanocrystallites: Synthesis and Characterization. Silicon, 2022, 14, 11715-11729.	3.3	21
9	Talented Bi _{0.5} Na _{0.25} K _{0.25} TiO ₃ /oxidized cellulose films for optoelectronic and bioburden of pathogenic microbes. Carbohydrate Polymers, 2022, 291, 119656.	10.2	20
10	Ecofriendly synthesis and characterization of Ni ²⁺ codoped silica magnesium zirconium copper nanoceramics for wastewater treatment applications. Scientific Reports, 2022, 12, .	3.3	17
11	Sol-gel synthesis and physical characterization of novel MgCrO ₄ -MgCu ₂ O ₃ layered films and MgCrO ₄ -MgCu ₂ O ₃ /p-Si based photodiode. Nano Structures Nano Objects, 2021, 25, 100646.	3.5	29
12	Compositional Effects and Optical Properties of P ₂ O ₅ Doped Magnesium Silicate Mesoporous Thin Films. Arabian Journal for Science and Engineering, 2021, 46, 5893-5906.	3.0	27
13	Modern Template Design and Biological Evaluation of Cephadrine-loaded Magnesium Calcium Silicate Nanocomposites as an Inhibitor for Nosocomial Bacteria in Biomedical Applications. Silicon, 2021, 13, 2979-2991.	3.3	21
14	Effect of Cu co-doping on the microstructure and optical properties of alumino-zinc thin films for optoelectronic applications. International Journal of Materials Engineering Innovation, 2021, 12, 18.	0.5	7
15	Preparation and Characterization of Transparent Semiconducting Silica Nanocomposites Doped with P ₂ O ₅ and Al ₂ O ₃ . Silicon, 2021, 13, 3733-3739.	3.3	22
16	Terahertz and UV-VIS Spectroscopy Evaluation of Copper Doped Zinc Magnesium Titanate Nanoceramics Prepared via Sol-Gel Method. ECS Journal of Solid State Science and Technology, 2021, 10, 063007.	1.8	10
17	Synthesis and structural, optical, and magnetic properties of Mn-doped CdS quantum dots prepared by chemical precipitation method. Journal of Materials Science: Materials in Electronics, 2021, 32, 19980-19990.	2.2	20
18	Structural investigation and optical properties of Fe, Al, Si, and Cu-ZnTiO ₃ nanocrystals. Physica Scripta, 2021, 96, 115801.	2.5	27

#	ARTICLE	IF	CITATIONS
19	Ni ²⁺ doping effect on potassium barium titanate nanoparticles: enhancement optical and dielectric properties. <i>Physica Scripta</i> , 2021, 96, 125821.	2.5	27
20	Effect of Cu co-doping on the microstructure and optical properties of alumino-zinc thin films for optoelectronic applications. <i>International Journal of Materials Engineering Innovation</i> , 2021, 12, 18.	0.5	0
21	Effect of Calcination Temperature on the Optical and Magnetic Properties of NiFe ₂ O ₄ -KFeO ₂ Nanocomposite Films Synthesized via WOSW Sol-Gel Route for Opto-Magnetic Applications. <i>ECS Journal of Solid State Science and Technology</i> , 2021, 10, 103016.	1.8	8
22	Impact of ZnO on the spectroscopic, mechanical, and UPF properties of Fe ₂ O ₃ -tough polystyrene-based nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 28019-28031.	2.2	23
23	Integrated use of nickel cobalt aluminoferrite/Ni ²⁺ nano-crystallites supported with SiO ₂ for optomagnetic and biomedical applications. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 274, 115491.	3.5	28
24	Structural, magnetic and dielectric properties of reduced graphene oxide/ La _{0.9} Bi _{0.1} FeO ₃ nanocomposites. <i>Materials Chemistry and Physics</i> , 2020, 241, 122335.	4.0	35
25	Influence of NiO on structural, optical, and magnetic properties of Al ₂ O ₃ –P ₂ O ₅ –Na ₂ O magnetic porous nanocomposites nucleated by SiO ₂ . <i>Solid State Sciences</i> , 2020, 108, 106454.	3.2	36
26	Sol–gel synthesis and physical characterization of high impact polystyrene nanocomposites based on Fe ₂ O ₃ doped with ZnO. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	38
27	Structural, Magnetic, and Dielectric properties of Sr ₄ Fe ₆ O ₁₃ ferrite prepared of small crystallites. <i>Scientific Reports</i> , 2020, 10, 4955.	3.3	27
28	Impact of Mn-substitution on structural, optical, and magnetic properties evolution of sodium–cobalt ferrite for opto-magnetic applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 6224-6232.	2.2	38
29	Optical, Functional Impact and Antimicrobial of Chitosan/Phosphosilicate/Al ₂ O ₃ Nanosheets. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 3084-3094.	3.7	41
30	Detection of 3,4-diaminotoluene based on Sr _{0.3} Pb _{0.7} TiO ₃ /CoFe ₂ O ₄ core/shell nanocomposite via an electrochemical approach. <i>New Journal of Chemistry</i> , 2020, 44, 7941-7953.	2.8	32
31	Design, fabrication and optical characterizations of pyrimidine fused quinolone carboxylate moiety for photodiode applications. <i>Optik</i> , 2020, 216, 164882.	2.9	32
32	Synthesis of Sm ³⁺ and Gd ³⁺ Ions Embedded in Nano-Structure Barium Titanate Prepared by Sol-Gel Technique: Terahertz, Dielectric and Up-Conversion Study. <i>ECS Journal of Solid State Science and Technology</i> , 2020, 9, 123005.	1.8	21
33	Thermal microscopy (TM). <i>International Journal of Microstructure and Materials Properties</i> , 2020, 15, 215.	0.1	4
34	Physical characterization of 5,5-dibromo-o-cresolsulfophthalein (BCP) spin-coated thin films and BCP/p-Si based diode. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	31
35	Structural, optical and electrical properties of CuBiS ₂ thin films deposited by spray pyrolysis at different deposition times. <i>International Journal of Microstructure and Materials Properties</i> , 2019, 14, 419.	0.1	8
36	Green sol–gel synthesis of novel nanoporous copper aluminosilicate for the eradication of pathogenic microbes in drinking water and wastewater treatment. <i>Environmental Science and Pollution Research</i> , 2019, 26, 9508-9523.	5.3	76

#	ARTICLE	IF	CITATIONS
37	Structural, optical and galvanomagnetical properties of low cost synthesised nanostructure Cu₂S films. International Journal of Microstructure and Materials Properties, 2019, 14, 272.	0.1	3
38	Effect of deposition temperature on structural, optical and electrical properties of chemically deposited thermochromic Cu₂HgI₄ thin films. International Journal of Microstructure and Materials Properties, 2019, 14, 462.	0.1	7
39	Current transport and capacitance-voltage characteristics of Sb ₂ Se ₃ /n-Si heterojunction diode prepared by electron beam evaporation. Materials Research Express, 2019, 6, 036405.	1.6	10
40	Fabrication and Characterization of a Photodiode Based on 5- β ,5- β -dibromo-o-cresolsulfophthalein (BCP). Silicon, 2019, 11, 1989-1996.	3.3	51
41	Thermal, dielectric and antimicrobial properties of polystyrene-assisted/ITO:Cu nanocomposites. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	55
42	Physical Characterizations of 3-(4-Methyl Piperazinylimino Methyl) Rifampicin Films for Photodiode Applications. Silicon, 2019, 11, 1693-1699.	3.3	15
43	Effect of Cu incorporation on morphology and optical band gap properties of nano-porous lithium magnesio-silicate (LMS) thin films. Materials Research Express, 2019, 6, 016404.	1.6	32
44	Structural, optical and electrical properties of CuBiS₂ thin films deposited by spray pyrolysis at different deposition times. International Journal of Microstructure and Materials Properties, 2019, 14, 419.	0.1	6
45	Effect of deposition temperature on structural, optical and electrical properties of chemically deposited thermochromic Cu₂HgI₄ thin films. International Journal of Microstructure and Materials Properties, 2019, 14, 462.	0.1	6
46	Current transport and capacitance-voltage characteristics of an n-PbTe/p-GaP heterojunction prepared using the electron beam deposition technique. Journal of Physics and Chemistry of Solids, 2018, 115, 283-288.	4.0	33
47	Structural, electrical and photovoltaic properties of CoS/Si heterojunction prepared by spray pyrolysis. Materials Research Express, 2018, 5, 015904.	1.6	32
48	Optical sensing performance characteristics of Schottky devices diodes based nano-particle disodium 6-hydroxy-5-[(2-methoxy-5-methyl-4-sulfophenyl)azo]-2-naphthalenesulfonate thin films: A comparison study. Optik, 2018, 158, 1255-1265.	2.9	28
49	Structural, Optical and Electrical Properties of Nanocrystalline PbSe: In Films. Recent Patents on Materials Science, 2018, 11, 41-47.	0.5	4
50	Fabrication, electrical and photovoltaic characteristics of CuInGeSe₄/n-Si diode. Journal of Semiconductors, 2018, 39, 124010.	3.7	15
51	Structural, electrical and photovoltaic properties of PbSb₂S₅/n-Si heterojunction synthesized by vacuum coating technique. Materials Research Express, 2018, 5, 076406.	1.6	29
52	Electrical Conductivity and Dielectrical Properties of Bulk Methylene Green. Journal of Electronic Materials, 2017, 46, 4353-4358.	2.2	21
53	Structural, optical and galvanomagnetic properties of nanocrystalline Se_{51.43}In_{44.67}Pb_{3.9} thin films. Materials Research Express, 2017, 4, 115903.	1.6	7
54	Structural, Optical, Electrical and Photoelectrical Properties of 2-Amino-4-(5-bromothiophen-2-yl)-5,6-dihydro-6-methyl-5-oxo-4H-pyrano[3,2-c] quinoline-3-carbonitrile Films. Journal of Electronic Materials, 2017, 46, 6957-6964.	2.2	28

#	ARTICLE	IF	CITATIONS
55	High Quality InSb Microcrystal Hall Sensor Doped with Te or Bi. International Journal of Advanced Applied Physics Research, 2016, 3, .	0.4	1
56	Structural and electrical characteristics of n-InSb/p-GaAs heterojunction prepared by liquid phase epitaxy. Journal of Alloys and Compounds, 2014, 615, 604-609.	5.5	26
57	Thermal stability, AC electrical conductivity and dielectric properties of N-(5-[antipyrinyl-hydrazono]-cyanomethyl)-[1,3,4]thiadiazol-2-yl)-benzamide. Journal of Alloys and Compounds, 2014, 611, 50-56.	5.5	40
58	Electrical conduction mechanisms and thermal properties of 2-(2,) Tj ETQqO 0 0 rgBT /Overlock 10 Tf 50 627 Td (3-dihydro-1,5-dimethyl-Condensed Matter, 2013, 413, 31-35.	2.7	26
59	Electrical and photosensing performance of heterojunction device based on organic thin film structure. Synthetic Metals, 2013, 175, 81-87.	3.9	30
60	Electrical conductivity, dielectric properties and optical absorption of organic based nanocrystalline sodium copper chlorophyllin for photodiode application. Journal of Alloys and Compounds, 2012, 513, 404-413.	5.5	60
61	Current transport and capacitance-voltage characteristics of n-InSb/p-GaP prepared by flash evaporation and liquid phase epitaxy. Metals and Materials International, 2012, 18, 509-515.	3.4	13
62	Characterization of electrical and optical absorption of organic based methyl orange for photovoltaic application. Synthetic Metals, 2011, 161, 2135-2143.	3.9	41
63	(InSb/GaAs)-Au hybrid macro-structure prepared by flash evaporation. Indian Journal of Physics, 2010, 84, 265-277.	1.8	10
64	Study of Gaussian distribution of inhomogeneous barrier height for n-InSb/p-GaAs heterojunction prepared by flash evaporation. Journal of Alloys and Compounds, 2009, 481, 427-433.	5.5	41
65	Ultrasonic studies on polystyrene/styrene butadiene rubber polymer blends filled with glass fiber and talc. Ultrasonics, 2006, 44, e1439-e1445.	3.9	34