

E F M El-Zaidia

List of Publications by Year in descending order

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papers

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docs citations

48
times ranked

485
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrical and photoelectrical properties of a vacuum-deposited MnClPc/n-Si heterojunction for photodiode application. , 2022, 167, 207239.		8
2	Structural, electronic, and optoelectronic characteristics of GaClPc/n-Si heterojunction for photodiode device. Materials Science in Semiconductor Processing, 2022, 147, 106704.	4.0	9
3	Effect of thickness on structural and optical characteristics of Indium Phthalocyanine Chloride thin films for photodiode devices. Journal of Materials Science: Materials in Electronics, 2021, 32, 1907-1917.	2.2	3
4	Temperature and frequency dependence of dielectric characteristics, modulus spectroscopy and AC electrical conductivity in Erythrosine B thin films. Journal of Materials Science: Materials in Electronics, 2021, 32, 1528-1535.	2.2	3
5	Linear and nonlinear optical characteristics of manganese phthalocyanine chloride/polyacetate sheet: Towards flexible optoelectronic devices. Optical Materials, 2021, 114, 110988.	3.6	6
6	Rhodamine-6G organic films for optical limits: structural analysis, surface morphology, linear and nonlinear optical characteristics. European Physical Journal Plus, 2021, 136, 1.	2.6	4
7	Phase, AC conductivity and dielectric properties of Indeno[1,2-b]fluorene-6,12 dione thin film as a function of frequency and temperature. Physica Scripta, 2021, 96, 075810.	2.5	2
8	Preparation, Raman spectroscopy, surface morphology and optical properties of TiPcCl ₂ nanostructured films: thickness effect. Optical and Quantum Electronics, 2021, 53, 1.	3.3	13
9	Structural characterization and optical properties of nanostructured indium (III) phthalocyanine chloride/FTO thin films for photoelectric applications. Optik, 2021, 239, 166780.	2.9	12
10	Studies structure, surface morphology, linear and nonlinear optical properties of nanocrystalline thin films of manganese (III) phthalocyanine chloride for photodetectors application. Sensors and Actuators A: Physical, 2021, 330, 112828.	4.1	19
11	Facile deposition of non-crystalline films of indium (III) phthalocyanine chloride for flexible electronic applications. Journal of Non-Crystalline Solids, 2021, 571, 121043.	3.1	7
12	Studying the surface morphology, linear and nonlinear optical properties of manganese (III) phthalocyanine chloride/FTO films. Physica B: Condensed Matter, 2021, 622, 413355.	2.7	16
13	Deposition of nanostructured methyl violet-10B films/FTO: Optical limiting and optical linearity/nonlinearity. Materials Chemistry and Physics, 2020, 240, 122074.	4.0	17
14	Electronic properties and photovoltaic performance of VONc-ZnO hybrid junction solar cells. Synthetic Metals, 2020, 259, 116227.	3.9	13
15	Experimental investigation and modeling of electrical properties for phenol red thin film deposited on silicon using back propagation artificial neural network. Chinese Journal of Physics, 2020, 67, 602-614.	3.9	9
16	Thermally evaporated of homogeneous nanostructured gallium-phthalocyanine-chloride films: Optical spectroscopy. Optical Materials, 2020, 109, 110407.	3.6	18
17	Thin films of nanostructured gallium (III) chloride phthalocyanine deposited on FTO: Structural characterization, optical properties, and laser optical limiting. Physica B: Condensed Matter, 2020, 593, 412321.	2.7	20
18	Estimation of Electrical Conductivity and Impedance Spectroscopic of Bulk CdIn ₂ Se ₄ Chalcogenide. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 2979-2986.	3.7	7

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19	Optical linearity and bandgap analysis of Erythrosine B doped in polyvinyl alcohol films. Optical Materials, 2020, 100, 109661.	3.6	24
20	Facile deposition of nanostructured Rhodamine-6G/FTO optical system thin films for optical limiting. Materials Chemistry and Physics, 2020, 247, 122877.	4.0	7
21	Noncrystalline films of gallium (III) phthalocyanine chloride evaporated on a flexible polymer substrate for flexible organic technology: optical spectroscopy and optical limiting. Physica Scripta, 2020, 95, 115802.	2.5	5
22	Methylsilicon phthalocyanine hydroxide doped PVA films for optoelectronic applications: FTIR spectroscopy, electrical conductivity, linear and nonlinear optical studies. Physica B: Condensed Matter, 2019, 571, 93-100.	2.7	53
23	Physico-chemical properties of acid fuchsin as novel organic semiconductors: Structure, optical and electrical properties. Physica B: Condensed Matter, 2019, 571, 71-75.	2.7	6
24	Quantum Confinement Observation of Milled Potassium Chloride. Nano, 2019, 14, 1950067.	1.0	0
25	Investigation of structural and electrical properties of 2,9-Bis [2-(4-chlorophenyl)ethyl] anthracene [2,1,9-def:6,5,10-dâ€²eâ€²f] diisoquinoline-1,3,8,10 (2H,9H) tetrone (Ch-diisoQ) nanostructured films for photoelectronic applications. Physica B: Condensed Matter, 2019, 558, 116-121.	2.7	7
26	Investigation of structural, electrical conductivity and dielectric properties of bulk Azure A chloride. European Physical Journal Plus, 2019, 134, 1.	2.6	3
27	A simulated neural system (ANNs) for micro-hardness of nano-crystalline titanium dioxide. Physica B: Condensed Matter, 2019, 556, 183-189.	2.7	9
28	STRUCTURAL, OPTICAL, ELECTRICAL AND DIELECTRIC PROPERTIES OF PVA-YCl ₃ FILMS. Surface Review and Letters, 2019, 26, 1850149.	1.1	7
29	Fabrication and Electrical Characteristics of Thioindigo/Silicon Heterojunction. Silicon, 2018, 10, 2519-2526.	3.3	5
30	Optical and dispersion properties of thermally deposited phenol red thin films. Optics and Laser Technology, 2018, 107, 402-407.	4.6	42
31	Dielectric relaxation and optical properties of 4-amino-3-mercapto-6-(2-(2-thienyl)vinyl)-1,2,4-triazin-5(4H)-one donor. Pramana - Journal of Physics, 2017, 88, 1.	1.8	5
32	Dielectric Relaxation Behavior and AC Electrical Conductivity Study of 2-(1,2-Dihydro-7-Methyl-2-Oxoquinoline-5-yl) Malononitrile (DMOQMN). Journal of Electronic Materials, 2017, 46, 1093-1099.	2.2	22
33	Fabrication, electrical and photovoltaic characteristics of perylene-66 based diodes (comparative) Tj ETQq1 1 0.784314 rgBT /Overloc	3.9	6
34	Fabrication and study the performance of solar cell made from new nanostructure phthalocyanine complex thin film. Synthetic Metals, 2015, 199, 388-393.	3.9	5
35	Characterization and photovoltaic performance of organic device based on CoMTPP/p-Si heterojunction. Microelectronic Engineering, 2014, 116, 58-64.	2.4	21
36	Electrical conductivity and dielectric measurements of CoMTPP. Materials Chemistry and Physics, 2014, 143, 490-494.	4.0	26

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37	Effect of annealing on optical properties of 2-chloro-5-(2,5-dimethoxy-benzylidene)-1,3-diethyl-dihydro-pyrimidine-4,6(1H,5H)-dione thin films. <i>Materials Science in Semiconductor Processing</i> , 2014, 26, 726-730.	4.0	9
38	Current-voltage and photovoltaic characteristics of n-Ge ₁₀ Se ₈₀ In ₁₀ /p-Si heterojunction. <i>Materials Science in Semiconductor Processing</i> , 2014, 24, 254-259.	4.0	7
39	Dielectric and electrical conductivity studies of bulk lead (II) oxide (PbO). <i>Journal of Alloys and Compounds</i> , 2014, 589, 393-398.	5.5	37
40	Characteristics of dielectric properties and conduction mechanism of TlInS ₂ :Cu single crystals. <i>Physica B: Condensed Matter</i> , 2013, 431, 54-57.	2.7	14
41	Gamma irradiation effect on the structural and optical properties of nanostructured InSe thin films. <i>Journal of Non-Crystalline Solids</i> , 2013, 382, 74-78.	3.1	45
42	Comparable optical properties and dispersion parameters of monomeric axial ruthenium phthalocyanine thin films. <i>Journal of Luminescence</i> , 2013, 138, 187-194.	3.1	18
43	Effect of heat treatment on morphological, structural and optical properties of CoMTPP thin films. <i>Solid State Sciences</i> , 2011, 13, 596-600.	3.2	48
44	Influence of X-ray irradiation on the optical properties of CoMTPP thin films. <i>Optics Communications</i> , 2011, 284, 2259-2263.	2.1	49
45	Fourier-transform infrared and electrical properties of magnesium phthalocyanine thin films. <i>EPJ Applied Physics</i> , 2011, 54, 10201.	0.7	2
46	Electrical Transport Mechanisms and Photovoltaic Characterisation of MgPc /p-Silicon Hybrid Organic-Inorganic Solar Cells. <i>Current Organic Chemistry</i> , 2010, 14, 84-88.	1.6	14
47	Effect of gamma irradiation on the optical properties of nano-MgPc thin films. <i>International Journal of Nano and Biomaterials</i> , 2009, 2, 31.	0.1	1
48	Structural and optical properties of thermal evaporated magnesium phthalocyanine (MgPc) thin films. <i>Applied Surface Science</i> , 2008, 254, 2458-2465.	6.1	97