Ibrahim Yahia

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7111692/publications.pdf

Version: 2024-02-01

312	7,165	61857	123241
papers	citations	43 h-index	61 g-index

314	314	314	4452
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis, diffused reflectance and electrical properties of nanocrystalline Fe-doped ZnO via solâ€“gel calcination technique. Optics and Laser Technology, 2013, 48, 447-452.	2.2	197
2	Structural, absorption and optical dispersion characteristics of rhodamine B thin films prepared by drop casting technique. Optics Communications, 2010, 283, 4310-4317.	1.0	170
3	Optical spectroscopy, optical conductivity, dielectric properties and new methods for determining the gap states of CuSe thin films. Journal of Alloys and Compounds, 2010, 507, 557-562.	2.8	148
4	Sn-doped ZnO nanocrystalline thin films with enhanced linear and nonlinear optical properties for optoelectronic applications. Journal of Physics and Chemistry of Solids, 2017, 100, 115-125.	1.9	146
5	Rectification and barrier height inhomogeneous in Rhodamine B based organic Schottky diode. Synthetic Metals, 2011, 161, 32-39.	2.1	107
6	Thermal annealing effect on the structural and the optical properties of Nano CdTe films. Optik, 2015, 126, 1352-1357.	1.4	101
7	Tailoring the linear and nonlinear optical properties of NiO thin films through Cr3+ doping. Journal of Materials Science: Materials in Electronics, 2018, 29, 6446-6457.	1.1	99
8	Facile microwave-assisted synthesis of tungsten-doped hydroxyapatite nanorods: A systematic structural, morphological, dielectric, radiation and microbial activity studies. Ceramics International, 2017, 43, 14923-14931.	2.3	96
9	Influence of Dy doping on key linear, nonlinear and optical limiting characteristics of SnO2 films for optoelectronic and laser applications. Optics and Laser Technology, 2018, 108, 609-618.	2.2	84
10	The electrical conductivity and dielectric properties of C.I. Basic Violet 10. Dyes and Pigments, 2010, 87, 144-148.	2.0	78
11	Lithium-doped hydroxyapatite nano-composites: Synthesis, characterization, gamma attenuation coefficient and dielectric properties. Radiation Physics and Chemistry, 2017, 130, 85-91.	1.4	75
12	Validity of Swanepoel's Method for Calculating the Optical Constants of Thick Films. Acta Physica Polonica A, 2012, 121, 628-635.	0.2	74
13	Effects of stabilizer ratio on the optical constants and optical dispersion parameters of ZnO nano-fiber thin films. Superlattices and Microstructures, 2013, 53, 63-75.	1.4	72
14	Structural, morphological, opto-nonlinear-limiting studies on Dy:PbI2/FTO thin films derived facilely by spin coating technique for optoelectronic technology. Journal of Physics and Chemistry of Solids, 2019, 130, 189-196.	1.9	72
15	A significant enhancement in visible-light photodetection properties of chemical spray pyrolysis fabricated CdS thin films by novel Eu doping concentrations. Sensors and Actuators A: Physical, 2020, 301, 111749.	2.0	72
16	Thermal growth in solar water pump using Prandtlâ€“Eyring hybrid nanofluid: a solar energy application. Scientific Reports, 2021, 11, 18704.	1.6	72
17	Facile hydrothermal-assisted synthesis of Gd 3+ doped PbI 2 nanostructures and their characterization. Materials Letters, 2016, 176, 135-138.	1.3	69
18	A facile synthesis of Au-nanoparticles decorated PbI2 single crystalline nanosheets for optoelectronic device applications. Scientific Reports, 2018, 8, 13806.	1.6	69

#	Article	IF	Citations
19	Mechanical and radiation-shielding properties of B2O3â€“P2O5â€“Li2Oâ€“MoO3 glasses. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	65
20	Electrical and photovoltaic characteristics of Al/n-CdS Schottky diode. International Journal of Hydrogen Energy, 2009, 34, 4906-4913.	3.8	63
21	Facile microwave-assisted synthesis of Te-doped hydroxyapatite nanorods and nanosheets and their characterizations for bone cement applications. Materials Science and Engineering C, 2017, 72, 472-480.	3.8	62
22	Analysis of currentâ€“voltage characteristics of Al/p-ZnGa2Se4/n-Si nanocrystalline heterojunction diode. Journal of Alloys and Compounds, 2011, 509, 4414-4419.	2.8	58
23	Investigation on structural, linear, nonlinear and optical limiting properties of sol-gel derived nanocrystalline Mg doped ZnO thin films for optoelectronic applications. Journal of Molecular Structure, 2018, 1173, 375-384.	1.8	58
24	Structural, linear and third order nonlinear optical properties of drop casting deposited high quality nanocrystalline phenol red thin films. Journal of Materials Science: Materials in Electronics, 2017, 28, 10573-10581.	1.1	56
25	Preparation and characterization of PVA/Congo red polymeric composite films for a wide scale laser filters. Optics and Laser Technology, 2017, 90, 197-200.	2.2	55
26	Facile hydrothermal synthesis and characterization of cesium-doped PbI2 nanostructures for optoelectronic, radiation detection and photocatalytic applications. Journal of Nanoparticle Research, 2017, 19, 1.	0.8	55
27	Effect of Gd doping on structural, optical properties, photoluminescence and electrical characteristics of CdS nanoparticles for optoelectronics. Ceramics International, 2019, 45, 10133-10141.	2.3	54
28	Structural, Elastic Moduli, and Radiation Shielding of SiO2-TiO2-La2O3-Na2O Glasses Containing Y2O3. Journal of Materials Engineering and Performance, 2021, 30, 1872-1884.	1.2	54
29	Chemically deposited Ni-doped CdS nanostructured thin films: Optical analysis and current-voltage characteristics. Journal of Alloys and Compounds, 2019, 776, 1056-1062.	2.8	53
30	Linear and Nonlinear Optics of CBD Grown Nanocrystalline F Doped CdS Thin Films for Optoelectronic Applications: An Effect of Thickness. Journal of Electronic Materials, 2018, 47, 5386-5395.	1.0	52
31	Facile nanorods synthesis of KI:HAp and their structure-morphology, vibrational and bioactivity analyses for biomedical applications. Ceramics International, 2019, 45, 50-55.	2.3	52
32	Structural and Mechanical Properties of Lithium Bismuth Borate Glasses Containing Molybdenum (LBBM) Together with their Glassâ€“Ceramics. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 1057-1065.	1.9	52
33	Microwave-assisted synthesis of Gd3+ doped PbI2 hierarchical nanostructures for optoelectronic and radiation detection applications. Physica B: Condensed Matter, 2017, 508, 41-46.	1.3	51
34	Spectroscopic, Structural, Thermal, and Mechanical Properties of B2O3-CeO2-PbO2 Glasses. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 1774-1786.	1.9	51
35	Optical properties of Al-CdO nano-clusters thin films. Superlattices and Microstructures, 2013, 64, 178-184.	1.4	50
36	First principles study of the adsorption of hydrated heavy metals on graphene quantum dots. Journal of Physics and Chemistry of Solids, 2019, 130, 32-40.	1.9	50

#	Article	IF	Citations
37	Conduction mechanism and the dielectric relaxation process of a-Se75Te25â^'xGax (x=0, 5, 10 and) Tj ETQq1 1 0.784314 rgBT /Overl	1.3	49
38	Radiation, Crystallization, and Physical Properties of Cadmium Borate Glasses. Silicon, 2021, 13, 2289-2307.	1.8	48
39	Controlling of crystal size and optical band gap of CdO nanopowder semiconductors by low and high Fe contents. Journal of Electroceramics, 2012, 29, 155-162.	0.8	47
40	Study on structural, linear and nonlinear optical properties of spin coated N doped CdO thin films for optoelectronic applications. Journal of Molecular Structure, 2017, 1150, 523-530.	1.8	47
41	Spectroscopic Properties, Electronic Polarizability, and Optical Basicity of Titaniumâ€"Cadmium Tellurite Glasses Doped with Different Amounts of Lanthanum. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 4999-5008.	1.9	47
42	Nonlinear optical parameters of nanocrystalline AZO thin film measured at different substrate temperatures. Physica B: Condensed Matter, 2016, 481, 97-103.	1.3	46
43	Physical, Radiation Shielding and Crystallization Properties of Na2O-Bi2O3- MoO3-B2O3- SiO2-Fe2O3 Glasses. Silicon, 2022, 14, 405-418.	1.8	46
44	Designing of PVA/Rose Bengal long-pass optical window applications. Results in Physics, 2017, 7, 1238-1244.	2.0	45
45	Facile one pot synthesis of PbS nanosheets and their characterization. Solid State Sciences, 2017, 70, 81-85.	1.5	45
46	Facile synthesis of lead iodide nanostructures by microwave irradiation technique and their structural, morphological, photoluminescence and dielectric studies. Journal of Molecular Structure, 2016, 1110, 83-90.	1.8	44
47	Structure and optical analysis of Ta2O5 deposited on infrasil substrate. Applied Surface Science, 2009, 255, 4829-4835.	3.1	43
48	Facile synthesis of graphene oxide/PVA nanocomposites for laser optical limiting: band gap analysis and dielectric constants. Journal of Materials Science: Materials in Electronics, 2018, 29, 8555-8563.	1.1	43
49	Multifunction applications of TiO2/poly(vinyl alcohol) nanocomposites for laser attenuation applications. Physica B: Condensed Matter, 2019, 556, 48-60.	1.3	43
50	Optical and electrical properties of SnBr2-doped polyvinyl alcohol (PVA) polymeric solid electrolyte for electronic and optoelectronic applications. Optik, 2021, 228, 166129.	1.4	41
51	Photovoltaic characterization of n-CdTe/p-CdMnTe/GaAs diluted magnetic diode. Current Applied Physics, 2013, 13, 537-543.	1.1	39
52	Rare earth Sm3+ co-doped AZO thin films for opto-electronic application prepared by spray pyrolysis. Ceramics International, 2018, 44, 6730-6738.	2.3	39
53	Structural, morphological, optical and third order nonlinear optical response of spin-coated NiO thin films: An effect of N doping. Solid State Sciences, 2018, 86, 98-106.	1.5	39
54	MHD darcy-forchheimer nanofluid flow and entropy optimization in an odd-shaped enclosure filled with a (MWCNT-Fe3O4/water) using galerkin finite element analysis. Scientific Reports, 2021, 11, 22635.	1.6	39

#	Article	IF	Citations
55	Synthesis and optical properties of basic fuchsin dye-doped PMMA polymeric films for laser applications: wide scale absorption band. Optical and Quantum Electronics, 2018, 50, 1.	1.5	37
56	Novel and facile microwave-assisted synthesis of Mo-doped hydroxyapatite nanorods: Characterization, gamma absorption coefficient, and bioactivity. Materials Science and Engineering C, 2017, 78, 1093-1100.	3.8	36
57	Influence of TiO2 Incorporation on the Microstructure, Optical, and Dielectric Properties of TiO2/Epoxy Composites. Journal of Inorganic and Organometallic Polymers and Materials, 2018, 28, 1114-1126.	1.9	35
58	Optical linearity and bandgap analysis of RhB-doped PMMA/FTO polymeric composites films: A new designed optical system for laser power attenuation. Optics and Laser Technology, 2020, 121, 105823.	2.2	35
59	Physicochemical properties of a nanocomposite (graphene oxide-hydroxyapatite-cellulose) immobilized by Ag nanoparticles for biomedical applications. Results in Physics, 2020, 16, 102990.	2.0	35
60	A first principles study of key electronic, optical, second and third order nonlinear optical properties of 3-(4-chlorophenyl)-1-(pyridin-3-yl) prop-2-en-1-one: a novel D- $$pi $$ Ï€ -A type chalcone derivative. Journal of Computational Electronics, 2018, 17, 9-20.	1.3	34
61	The optical characteristic of PVA composite films doped by ZrO₂ for optoelectronic and block UV-Visible applications. Materials Research Express, 2019, 6, 115346.	0.8	34
62	Design of smart optical sensor using polyvinyl alcohol/Fluorescein sodium salt: Laser filters and optical limiting effect. Journal of Molecular Structure, 2018, 1156, 492-500.	1.8	34
63	Comparative Study on Effects of Thermal Gradient Direction on Heat Exchange between a Pure Fluid and a Nanofluid: Employing Finite Volume Method. Coatings, 2021, 11, 1481.	1.2	34
64	Spectroscopic analysis and magnetic susceptibility of CuOâ€“TeO2â€“V2O5 glasses. Journal of Magnetism and Magnetic Materials, 2009, 321, 4039-4044.	1.0	33
65	Synthesis, thermal characterization, and antimicrobial activity of lanthanum, cerium, and thorium complexes of amino acid Schiff base ligand. Journal of Thermal Analysis and Calorimetry, 2013, 112, 671-681.	2.0	33
66	A comparative study of key properties of glycine glycinium picrate (GGP) and glycinium picrate (GP): A combined experimental and quantum chemical approach. Journal of Saudi Chemical Society, 2018, 22, 352-362.	2.4	33
67	Organic semiconductor photodiode based on indigo carmine/n-Si for optoelectronic applications. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	32
68	Optical analysis of nanostructured rose bengal thin films using Kramersâ€“Kronig approach: New trend in laser power attenuation. Optics and Laser Technology, 2019, 112, 207-214.	2.2	32
69	Heat flow saturate of Ag/MgO-water hybrid nanofluid in heated trigonal enclosure with rotate cylindrical cavity by using Galerkin finite element. Scientific Reports, 2022, 12, 2302.	1.6	32
70	Microwave-synthesis of La3+ doped PbI2 nanosheets (NSs) and their characterizations for optoelectronic applications. Journal of Materials Science: Materials in Electronics, 2018, 29, 15838-15846.	1.1	31
71	Nonlinear behavior of the currentâ€“voltage characteristics for erbium-doped PVA polymeric composite films. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	31
72	Structural characterization and optical properties of zeolitic imidazolate frameworks (ZIF-8) for solid-state electronics applications. Optical Materials, 2020, 100, 109648.	1.7	31

#	Article	IF	Citations
73	Spectrophotometric calculations of optical linearity and nonlinearity of nanostructured Pyronin Y/FTO optical system for optoelectronic applications. Synthetic Metals, 2016, 222, 186-191.	2.1	30
74	Optical spectroscopy and electrical analysis of La3+-doped PVA composite films for varistor and optoelectronic applications. Journal of Materials Science: Materials in Electronics, 2018, 29, 20424-20432.	1.1	30
75	Optical Analysis and UV-Blocking Filter of Cadmium Iodide-Doped Polyvinyl Alcohol Polymeric Composite Films: Synthesis and Dielectric Properties. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 3940-3952.	1.9	30
76	An investigation on linear and non-linear optical constants of nano-spherical CuPc thin films for optoelectronic applications. Physica B: Condensed Matter, 2016, 496, 9-14.	1.3	29
77	Synthesis, Optical and Photoluminescence Properties of Cu-Doped Zno Nano-Fibers Thin Films: Nonlinear Optics. Journal of Electronic Materials, 2018, 47, 1798-1805.	1.0	29
78	Capacitance and conductance characterization of nano-ZnGa2Te4/n-Si diode. Materials Research Bulletin, 2014, 49, 369-383.	2.7	28
79	Pyronin Y as new organic semiconductors: Structure, optical spectroscopy and electrical/dielectric properties. Synthetic Metals, 2016, 218, 19-26.	2.1	28
80	Portable and Battery Operated Ammonia Gas Sensor Based on CNTs/rGO/ZnO Nanocomposite. Journal of Electronic Materials, 2019, 48, 7328-7335.	1.0	28
81	A comprehensive investigation on core optoelectronic and laser properties of ZTS single crystals: an effect of Mg2+ doping. Applied Physics B: Lasers and Optics, 2018, 124, 1.	1.1	27
82	Preparation of polypyrrole-decorated MnO2/reduced graphene oxide in the presence of multi-walled carbon nanotubes composite for high performance asymmetric supercapacitors. Physica B: Condensed Matter, 2019, 556, 66-74.	1.3	27
83	Hydrothermal Synthesis of CNTs/Co3O4@rGO Mesopours Nanocomposite as a Room Temperature Gas Sensor for VOCs. Journal of Inorganic and Organometallic Polymers and Materials, 2019, 29, 416-422.	1.9	27
84	Anomalous behaviour of the electrical properties for PVA/TiO2 nanocomposite polymeric films. Polymer Bulletin, 2020, 77, 6255-6269.	1.7	27
85	Optical properties of thermally evaporated Bi2Se3 thin films treated with AgNO3 solution. Surface and Coatings Technology, 2011, 205, 3553-3558.	2.2	26
86	Linear and nonlinear optical investigations of nano-scale Si-doped ZnO thin films: spectroscopic approach. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	26
87	The visible laser absorption property of chromium-doped polyvinyl alcohol films: synthesis, optical and dielectric properties. Optical and Quantum Electronics, 2019, 51, 1.	1.5	26
88	Hydrodynamic and heat transfer analysis of dissimilar shaped nanoparticles-based hybrid nanofluids in a rotating frame with convective boundary condition. Scientific Reports, 2022, 12, 436.	1.6	26
89	Influence of entropy on Brinkmanâ€“Forchheimer model of MHD hybrid nanofluid flowing in enclosure containing rotating cylinder and undulating porous stratum. Scientific Reports, 2021, 11, 24316.	1.6	26
90	Effect of the frequency and temperature on the complex impedance spectroscopy (Câ€“V and Gâ€“V) of p-ZnGa2Se4/n-Si nanostructure heterojunction diode. Journal of Materials Science, 2012, 47, 1719-1728.	1.7	25

#	Article	IF	Citations
91	Brilliant green dye added zinc(tris) thiourea sulphate monocrystal growth with enhanced crystalline perfection, optical, photoluminescence and mechanical properties. Journal of Materials Science: Materials in Electronics, 2016, 27, 10673-10683.	1.1	25
92	Synthesis, optical constants, optical dispersion parameters of CuO nanorods. Optik, 2016, 127, 1429-1433.	1.4	25
93	Selective CUT-OFF laser filters using brilliant green-doped PMMA polymeric composite films: sensing approach. Journal of Materials Science: Materials in Electronics, 2018, 29, 19798-19804.	1.1	25
94	Multifunctional Applications of Graphene-Doped PMMA Nanocomposite Membranes for Environmental Photocatalytic. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 2708-2719.	1.9	25
95	Facile synthesis, structure analysis and optical performance of manganese oxide-doped PVA nanocomposite for optoelectronic and optical cut-off laser devices. Journal of Materials Science: Materials in Electronics, 2020, 31, 8072-8085.	1.1	25
96	Optical linearity and nonlinearity, structural morphology of TiO2-doped PMMA/FTO polymeric nanocomposite films: Laser power attenuation. Optik, 2021, 227, 166036.	1.4	25
97	Modification of electrical properties of Al/p-Si Schottky barrier device based on 2â€²-7â€²-dichlorofluorescein. Journal of Applied Physics, 2011, 110, .	1.1	24
98	Photovoltaic performance analysis of organic device based on PTCDA/n-Si heterojunction. Synthetic Metals, 2011, 161, 1805-1812.	2.1	24
99	A study on linear and non-linear optical constants of Rhodamine B thin film deposited on FTO glass. Physica B: Condensed Matter, 2016, 490, 25-30.	1.3	24
100	Analysis of the linear/nonlinear optical properties of basic fuchsin dye/FTO films: Controlling the laser power of red/green lasers. Optik, 2019, 179, 145-153.	1.4	24
101	Heat Transfer Impacts on Maxwell Nanofluid Flow over a Vertical Moving Surface with MHD Using Stochastic Numerical Technique via Artificial Neural Networks. Coatings, 2021, 11, 1483.	1.2	24
102	Dissipated electroosmotic EMHD hybrid nanofluid flow through the micro-channel. Scientific Reports, 2022, 12, 4771.	1.6	24
103	Deposition of Rhodamine B dye on flexible substrates for flexible organic electronic and optoelectronic: Optical spectroscopy by Kramers-Kronig analysis. Optical Materials, 2019, 95, 109219.	1.7	23
104	Novel design and microelectronic analysis of highly stable Au/Indigo/n-Si photodiode for optoelectronic applications. Solid State Sciences, 2019, 93, 7-12.	1.5	23
105	Facile synthesis of La-doped CdS nanoparticles by microwave assisted co-precipitation technique for optoelectronic application. Materials Research Express, 2019, 6, 025022.	0.8	23
106	Kramersâ€“Kronig calculations for linear and nonlinear optics of nanostructured methyl violet (CI-42535): New trend in laser power attenuation using dyes. Physica B: Condensed Matter, 2019, 552, 62-70.	1.3	23
107	Enhancing the optical absorption, conductivity, and nonlinear parameters of PVOH films by Bi-doping. New Journal of Physics, 2021, 23, 043001.	1.2	23
108	Unusual photocapacitance properties of a mono-crystalline silicon solar cell for optoelectronic applications. Solar Energy Materials and Solar Cells, 2011, 95, 2598-2605.	3.0	22

#	Article	IF	Citations
109	Optical constants and nonlinear calculations of fluorescein/FTO thin film optical system. Physica B: Condensed Matter, 2016, 500, 98-105.	1.3	22
110	Linear and nonlinear optical properties of nano-spherical Perylenetetracarboxylic dianhydride/ITO as a new optical system. Optics and Laser Technology, 2018, 108, 241-246.	2.2	22
111	Optical analysis, optical limiting and electrical properties of novel PbI₂/PVA polymeric nanocomposite films for electronic optoelectronic applications. Materials Research Express, 2019, 6, 115339.	0.8	22
112	Facilely fabricated Dy:PbI2/glass thin films and their structural, linear and nonlinear optical studies for opto-nonlinear applications. Vacuum, 2020, 173, 109122.	1.6	22
113	An effect of Fe on physical properties of nanostructured NiO thinÂfilms for nonlinear optoelectronic applications. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	22
114	Optical constants for Ge_{30â^'} _x Se₇₀Ag _x (0â€‰â‰€â€‰xâ€‰ â‰â€‰30 at%) thin films based only on their reflectance spectra. Philosophical Magazine, 2012, 92, 912-924.	2.2	21
115	Diffused reflectance and structure analysis for the nano-matrix (ZnO(1â^'x)SiO2(x)) system. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 127, 521-529.	2.0	21
116	An effect of Gd3+ doping on core properties of ZnS thin films prepared by nebulizer spray pyrolysis (NSP) method. Physica B: Condensed Matter, 2019, 574, 411674.	1.3	21
117	A facilely one pot low temperature synthesis of novel Pt doped PbS nanopowders and their characterizations for optoelectronic applications. Journal of Molecular Structure, 2019, 1192, 68-75.	1.8	21
118	A novel Î±-Fe2O3@MoS2QDs heterostructure for enhanced visible-light photocatalytic performance using ultrasonication approach. Ceramics International, 2020, 46, 19600-19608.	2.3	21
119	High refractive index and third-order nonlinear optical susceptibility of nanostructured ZnSe/FTO thin films: Towards smart multifunctional optoelectronic materials. Physica B: Condensed Matter, 2021, 602, 412595.	1.3	21
120	Optical and structural studies of some zinc calcium borate glasses for optoelectronic device applications. Journal of Materials Science: Materials in Electronics, 2021, 32, 9392-9399.	1.1	21
121	Fast and easy synthesis of novel Strontium apatite nanostructured phase: Structure, spectroscopy, and dielectric analysis. Ceramics International, 2017, 43, 17153-17159.	2.3	20
122	An impact of Cr-doping on physical properties of PbI2 thin films facilely deposited by spin coating technique. Superlattices and Microstructures, 2020, 138, 106370.	1.4	20
123	Nickel Cobaltite Functionalized Silver Doped Carbon Xerogels as Efficient Electrode Materials for High Performance Symmetric Supercapacitor. Materials, 2020, 13, 4906.	1.3	20
124	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.	1.3	20
125	Kramers-Kronig analysis of the optical linearity and nonlinearity of nanostructured Ga-doped ZnO thin films. Optics and Laser Technology, 2021, 135, 106691.	2.2	20
126	Impedance spectroscopy of p-ZnGa2Te4/n-Si nano-HJD. Physica B: Condensed Matter, 2013, 415, 82-91.	1.3	19

#	Article	IF	Citations
127	Optical dispersion parameters based on single-oscillator model and optical absorption of nanocrystalline metal phthalocyanine films: A comparison study. Superlattices and Microstructures, 2013, 60, 83-100.	1.4	19
128	Enhancement of nonlinear optical susceptibility of CuPc films by ITO layer. Optical Materials, 2016, 62, 184-191.	1.7	19
129	Facile and rapid synthesis of nanoplates Mg(OH)2 and MgO via Microwave technique from metal source: structural, optical and dielectric properties. Journal of Sol-Gel Science and Technology, 2018, 86, 104-111.	1.1	19
130	A facile one-step flash combustion synthesis and characterization on C doped NiO nanostructures. Materials Science in Semiconductor Processing, 2019, 100, 106-112.	1.9	19
131	Microstructural and electrical properties evaluation of lead doped tin sulfide thin films. Journal of Sol-Gel Science and Technology, 2020, 93, 52-61.	1.1	19
132	Impedance Spectroscopy of Nanostructure p-ZnGa2Se4/n-Si Heterojunction Diode. Acta Physica Polonica A, 2011, 120, 563-566.	0.2	19
133	Enhancing the structural, optical, electrical, properties and photocatalytic applications of ZnO/PMMA nanocomposite membranes: towards multifunctional membranes. Journal of Materials Science: Materials in Electronics, 2022, 33, 1977-2002.	1.1	19
134	Evaluation of the Effect of Granite Waste Powder by Varying the Molarity of Activator on the Mechanical Properties of Ground Granulated Blast-Furnace Slag-Based Geopolymer Concrete. Polymers, 2022, 14, 306.	2.0	19
135	Linear and non-linear optics of nano-scale 2â€²,7â€²dichloro-fluorescein/FTO optical system: Bandgap and dielectric analysis. Optical Materials, 2016, 62, 527-533.	1.7	18
136	Novel and highly stable indigo (C.I. Vat Blue I) organic semiconductor dye: Crystal structure, optically diffused reflectance and the electrical conductivity/dielectric behaviors. Dyes and Pigments, 2017, 146, 66-72.	2.0	18
137	Optical properties of CuSe thin films - band gap determination. Science of Sintering, 2017, 49, 167-174.	0.5	18
138	Thermally evaporated of homogeneous nanostructured gallium-phthalocyanine-chloride films: Optical spectroscopy. Optical Materials, 2020, 109, 110407.	1.7	18
139	Synthesis and technical analysis of 6-butyl-3-[(4-chlorophenyl)diazenyl]-4-hydroxy-2H-pyrano[3,2-c] quinoline-2,5(6H)-dione as a new organic semiconductor: Structural, optical and electronic properties. Dyes and Pigments, 2020, 176, 108199.	2.0	18
140	Ce/Sm co-doped hydroxyapatites: synthesis, characterization, and band structure calculation. Journal of the Australian Ceramic Society, 2021, 57, 305-317.	1.1	18
141	Ammonium iodide salt-doped polyvinyl alcohol polymeric electrolyte for UV-shielding filters: synthesis, optical and dielectric characteristics. Journal of Materials Science: Materials in Electronics, 2021, 32, 4416-4436.	1.1	18
142	Influence of exchanging CeO2 with Cu2O3 on structural matrix, shielding, and linear/nonlinear optical parameters of the cerium-sodium borate glass. Optik, 2022, 249, 168267.	1.4	18
143	Cumulative Impact of Micropolar Fluid and Porosity on MHD Channel Flow: A Numerical Study. Coatings, 2022, 12, 93.	1.2	18
144	Electrical Conductivity and Dielectric Properties of Se85Te15â^'x Sb x (xÂ=ÂOÂat.%, 2Âat.%, 4Âat.%, and 6Âat.%) Thin Films. Journal of Electronic Materials, 2013, 42, 3397-3407.	1.0	17

#	Article	IF	Citations
145	Chemical state analysis, optical band gap, and photocatalytic decolorization of cobalt-doped ZnO nanospherical thin films by DC/RF sputtering technique. Optik, 2018, 164, 143-154.	1.4	17
146	Synthesis and characterization of wide-scale UVâ€“vis CUT-OFF laser filter using methyl violet-6B/PMMA polymeric composite films. Sensors and Actuators A: Physical, 2018, 269, 388-393.	2.0	17
147	A Convenient Synthetic Route of Diethyl (4â€Oxoâ€chromeno[2,3â€‹scp›‹i›d‹/i›‹/scp›]pyrimidinâ€2(5)â€yl)phosphonates. Journal of Heterocyclic Chemistry, 2019, 56, 1684-1686.	1.4	17
148	Fabrication and electrical characterization of the InSbS3/n-Si heterojunction. Journal of Alloys and Compounds, 2019, 788, 206-211.	2.8	17
149	Deposition of nanostructured methyl violet-10B films/FTO: Optical limiting and optical linearity/nonlinearity. Materials Chemistry and Physics, 2020, 240, 122074.	2.0	17
150	An effect of lanthanum doping on physical characteristics of FTO thin films coated by nebulizer spray pyrolysis technique. Optical Materials, 2020, 99, 109518.	1.7	17
151	Design of a low-cost laser CUT-OFF filters using carmine dye-doped PVA polymeric composite films. Results in Physics, 2020, 18, 103203.	2.0	17
152	Investigating NaIO3 doped PVA polymeric nanocomposites via the structural morphology and linear and nonlinear optical analysis: For optoelectronic systems. Optik, 2021, 245, 167724.	1.4	17
153	Entropy Optimized Second Grade Fluid with MHD and Marangoni Convection Impacts: An Intelligent Neuro-Computing Paradigm. Coatings, 2021, 11, 1492.	1.2	17
154	Memory switching of ZnGa2Te4 thin films. Journal of Materials Science, 2013, 48, 1134-1140.	1.7	16
155	Design of Rose Bengal/FTO optical thin film system as a novel nonlinear media for infrared blocking windows. Results in Physics, 2017, 7, 1852-1858.	2.0	16
156	Visible photocatalytic performance of nanostructured molybdenum-doped Ag3PO4: Doping approach. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 356, 587-594.	2.0	16
157	Photovoltaic and capacitance measurements of solar cells comprise of Al-doped CdS (QD) and hierarchical flower-like TiO2 nanostructured electrode. Results in Physics, 2020, 16, 102827.	2.0	16
158	Praseodymium doped PbS thin films for optoelectronic applications prepared by nebulizer spray pyrolysis. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	16
159	The detailed calculations of optical properties of indium-doped CdO nanostructured films using Kramers-Kronig relations. Journal of Non-Crystalline Solids, 2021, 552, 120454.	1.5	16
160	Studying the surface morphology, linear and nonlinear optical properties of manganese (III) phthalocyanine chloride/FTO films. Physica B: Condensed Matter, 2021, 622, 413355.	1.3	16
161	Galerkin finite element study for mixed convection (TiO2â€“SiO2/water) hybrid-nanofluidic flow in a triangular aperture heated beneath. Scientific Reports, 2021, 11, 22905.	1.6	16
162	MHD Hybrid Nanofluid Flow Due to Rotating Disk with Heat Absorption and Thermal Slip Effects: An Application of Intelligent Computing. Coatings, 2021, 11, 1554.	1.2	16

#	Article	IF	Citations
163	Structure, optical constants and non-linear properties of high quality AZO nano-scale thin films. Optik, 2016, 127, 4324-4328.	1.4	15
164	Optical constants, photo-stability and photo-degradation of MB/PMMA thin films for UV sensors. Optik, 2016, 127, 4959-4963.	1.4	15
165	Linear and nonlinear optics of pyronin Y/flexible polymer substrate for flexible organic technology: New optical approach. Optics and Laser Technology, 2017, 95, 124-132.	2.2	15
166	Mechanical and Thermal Properties of Lead Borate Glasses Containing CaO and NaF. Silicon, 2018, 10, 1973-1978.	1.8	15
167	Effect of organic dyes on structural properties, linear optics and impedance spectroscopy of methyl orange (C.I. acid orange 52) doped polyvinyl alcohol composite thin films. Journal of Materials Science: Materials in Electronics, 2018, 29, 16446-16453.	1.1	15
168	Synthesis and characterization of ZnO-reinforced with graphene nanolayer nanocomposites: electrical conductivity and optical band gap analysis. Materials Research Express, 2019, 6, 095602.	0.8	15
169	The structure analysis and optical performance of PVA films doped with Fe³⁺-metal for UV- limiter, and optoelectronics. Materials Research Express, 2019, 6, 085334.	0.8	15
170	Enhancement in photodetection properties of PbI2 with graphene oxide doping for visible-light photodetectors. Sensors and Actuators A: Physical, 2020, 314, 112223.	2.0	15
171	A facile method to prepare g-carbon nitride/poly(vinyl alcohol) nanocomposite films with remarkable optoelectrical properties: Laser attenuation approach. Optics and Laser Technology, 2021, 134, 106600.	2.2	15
172	Spectroscopic notes of Methyl Red (MR) dye. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 130, 59-63.	2.0	14
173	Low Cost Alcoholic Breath Sensor Based on SnO2 Modified with CNTs and Graphene. Journal of the Korean Physical Society, 2018, 73, 1437-1443.	0.3	14
174	Structural, Optical and Dielectric Properties of Nd Doped NiO Thin Films Deposited with a Spray Pyrolysis Method. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 2691-2699.	1.9	14
175	Facile fabrication of Ag/Y:CdS/Ag thin films-based photodetectors with enhanced photodetection performance. Sensors and Actuators A: Physical, 2021, 331, 112890.	2.0	14
176	Facile design of a CUT-OFF laser power attenuation using safranin O-doped PMMA polymeric composite films: Optical spectroscopy and dielectric properties. Optik, 2020, 219, 164943.	1.4	14
177	Facile synthesis and optical characterization of graphene oxide-doped TiO₂/polyvinyl alcohol nanocomposites: optical limiting applications. Materials Research Express, 2019, 6, 075054.	0.8	13
178	Analysis of neodymium rare earth element doping in PbS films for opto-electronics applications. Journal of Materials Science: Materials in Electronics, 2020, 31, 1817-1827.	1.1	13
179	Microstructure analysis and nonlinÂear/linear optical parameters of polymerÂic composite filÂms based PVAL for wiÂde optical applicatiÂons. Physica Scripta, 2021, 96, 115804.	1.2	13
180	Preparation, Raman spectroscopy, surface morphology and optical properties of TiPcCl2 nanostructured films: thickness effect. Optical and Quantum Electronics, 2021, 53, 1.	1.5	13

#	Article	IF	Citations
181	Discussions on the film design and mechanical properties of Y3+/PVA polymeric composite films: enhancement of the electrical conductivity and dielectric properties. Journal of Materials Science: Materials in Electronics, 2020, 31, 10408-10421.	1.1	13
182	CdS/PVA In-Situ Polymerization Composite Films with Enhanced Structural, Optics, Limiting Effect and Electrical Properties. Journal of Inorganic and Organometallic Polymers and Materials, 2018, 28, 1494-1501.	1.9	12
183	Synthesis and anticancer activity of some novel diethyl {(chromonyl/pyrazolyl) [(4-oxo-2-phenyl-quinazolin-3(4H)-yl)amino]methyl}phosphonates. Phosphorus, Sulfur and Silicon and the Related Elements, 2018, 193, 668-674.	0.8	12
184	Synthesis and optimization of a novel polymer: dye composite (PVA:MV-6B) films for band-stop optical filters. Optik, 2019, 192, 162902.	1.4	12
185	The effect of zinc iodide on the physicochemical properties of highly flexible transparent poly (vinyl) Tj ETQq1 1 0.784314 rgBT /Overl Materials in Electronics, 2019, 30, 11799-11806.	1.1	12
186	Facile and low-cost synthesis of PEDOT:PSS/FTO polymeric counter electrode for DSSC photosensor with negative capacitance phenomenon. Materials Research Express, 2019, 6, 065004.	0.8	12
187	Structural investigation and optical enhancement characterization of nanostructured Ga-doped @CdO/FTO films for photodiode applications. Optical Materials, 2020, 110, 110458.	1.7	12
188	Detailed investigation of optical linearity and nonlinearity of nanostructured Ce-doped CdO thin films using Kramersâ€“Kronig relations. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	12
189	Nanostructure and enhancement of the optical properties of Tb-doped NiO for photodiode applications. Chinese Journal of Physics, 2020, 64, 87-102.	2.0	12
190	Structural characterization and optical properties of nanostructured indium (III) phthalocyanine chloride/FTO thin films for photoelectric applications. Optik, 2021, 239, 166780.	1.4	12
191	Improving photostability and efficiency of polymeric luminescent solar concentrators by PMMA/MgO nanohybrid coatings. International Journal of Green Energy, 2017, 14, 270-278.	2.1	11
192	Study the impact of terbium additions in the microstructure, optical and electrical properties of polyvinyl alcohol. Materials Research Express, 2019, 6, 125321.	0.8	11
193	Synthesis, optical limiting and properties of Rhodamine B-doped PMMA polymeric films/glass substrate: New trends in polymeric composites. Optik, 2020, 212, 164687.	1.4	11
194	Microwave assisted synthesis of quantum dots like ZnS nanoparticles for optoelectronic applications: An effect of CTAB concentrations. Optik, 2021, 240, 166812.	1.4	11
195	Highly sensitive hexagonal-shaped ZnSâ€“Cu thin films for photo-detector applications. Journal of Materials Science: Materials in Electronics, 2022, 33, 2192-2203.	1.1	11
196	Negative capacitance of ZnGa2Se4/Si nano-heterojunction diode. Applied Physics A: Materials Science and Processing, 2013, 112, 275-282.	1.1	10
197	Electronic conduction mechanism and optical spectroscopy of Indigo carmine as novel organic semiconductors. Optical and Quantum Electronics, 2018, 50, 1.	1.5	10
198	Geometrical, vibrational and physical properties of polyvinyl chloride nanocomposites: Molecular modeling approach. Journal of Theoretical and Computational Chemistry, 2019, 18, 1950037.	1.8	10

#	Article	IF	Citations
199	Preparation and spectroscopic studies of PbI2-doped poly(methyl methacrylate) nanocomposites films: Dielectric and optical limiting approach. Optical Materials, 2020, 100, 109626.	1.7	10
200	Analysis of optical linearity and nonlinearity of Fe3+- doped PMMA/FTO polymeric films: New trend for optoelectronic polymeric devices. Physica B: Condensed Matter, 2021, 601, 412628.	1.3	10
201	A facile fabrication of Sn-doped CeO2 nanocrystalline thin films with enhanced photodiode properties for optoelectronic applications. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	10
202	Synthesis and optical characterization of nanocrystalline fluorine-doped tin oxide films: conductive window layer for optoelectronic applications. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	10
203	Investigation of shape effects of Cu-nanoparticle on heat transfer of MHD rotating flow over nonlinear stretching sheet. AEJ - Alexandria Engineering Journal, 2022, 61, 4457-4466.	3.4	10
204	Study on spray deposited Ni-doped CuO nanostructured thin films: microstructural and optical behavior. Journal of Materials Science: Materials in Electronics, 2022, 33, 4984-4999.	1.1	10
205	Thermal analysis for $$A{l}_{2}{O}_{3}$$â€“sodium alginate magnetized Jeffreyâ€™s nanofluid flow past a stretching sheet embedded in a porous medium. Scientific Reports, 2022, 12, 3287.	1.6	10
206	Photovoltaic Characteristics of Solar Cells Based on Nanostructured Titanium Dioxide Sensitized with Fluorescein Sodium Salt. Theoretical and Experimental Chemistry, 2014, 50, 121-126.	0.2	9
207	Non-linear optics of nano-scale pentacene thin film. Applied Physics B: Lasers and Optics, 2016, 122, 1.	1.1	9
208	Bulk growth, structural, vibrational, crystalline perfection, optical and dielectric properties of L-threonine doped KDP single crystals grown by Sankaranarayanan-Ramasamy (SR) method. Materials Research Innovations, 2017, 21, 106-114.	1.0	9
209	Investigation on nebulizer spray coated Nd-doped SnS2 thin films for solar cell window layer application. Journal of Materials Science: Materials in Electronics, 2019, 30, 13964-13973.	1.1	9
210	Remarkable effect of l-Ascorbic acid on crystal morphology, structural, crystalline perfection, optical, photoluminescence and dielectric properties of Zinc(tris) thiourea sulphate (ZTS) single crystals. Arabian Journal of Chemistry, 2020, 13, 1490-1498.	2.3	9
211	Nucleophilic Reactivity of a Novel 3-Chloro-3-(4,9-dimethoxy5-oxo-5H-furo[3,2-g]chromen-6-yl)prop-2-enal. Russian Journal of Organic Chemistry, 2020, 56, 845-855.	0.3	9
212	Role of B-site cation on the structure, magnetic and dielectric properties of nanosized La0.7Sr0.3Fe1â^'xMxO3 (M = Mn; Co and x = 0, 0.5) perovskites. Materials Research Express, 2020, 7, 056104.	0.8	9
213	Structure analysis and nonlinear/linear optical properties of PVAOH/Si composites for low-cost optical technologies and limiting absorption. Journal of Materials Science: Materials in Electronics, 2021, 32, 4466-4479.	1.1	9
214	A facile microwave-assisted synthesis of novel ZnMn2O4 nanoparticles and their structural, morphological, optical, surface area, and dielectric studies. Indian Journal of Physics, 2021, 95, 43-49.	0.9	9
215	Nano-flower 2,3-naphthalocyanine heterojunction for optoelectronic applications. Synthetic Metals, 2015, 203, 261-268.	2.1	8
216	Disposable, visual and cost-effective PMMA sensor for UVC radiation. Sensors and Actuators B: Chemical, 2016, 229, 272-275.	4.0	8

#	Article	IF	Citations
217	Investigation of erbium co-doping on fluorine doped tin oxide via nebulizer spray pyrolysis for optoelectronic applications. Optical and Quantum Electronics, 2020, 52, 1.	1.5	8
218	Recent Advancement in Photo-Anode, Dye and Counter Cathode in Dye-Sensitized Solar Cell: A Review. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 1894-1901.	1.9	8
219	Fabrication of Cost-Effective Nebulizer Sprayed In2S3 Thin Films for Photodetector Applications. Journal of Electronic Materials, 2021, 50, 4373-4380.	1.0	8
220	Influence of the structural matrix on the attenuation parameters of some iron-borophosphate glasses. Journal of Materials Science: Materials in Electronics, 2021, 32, 21135-21154.	1.1	8
221	Investigating the structural morphology, linear/nonlinear optical characteristics of Nd₂O₃ doped PVA polymeric composite films: Kramers-Kroning approach. Physica Scripta, 2021, 96, 125831.	1.2	8
222	Enhanced theÂoptical, electrical, and shielding properties of some alkali-borate glasses doped with lanthanide ceriumÂoxide, CeO2. Journal of Materials Science: Materials in Electronics, 2022, 33, 3284-3296.	1.1	8
223	Study of 3-D Prandtl Nanofluid Flow over a Convectively Heated Sheet: A Stochastic Intelligent Technique. Coatings, 2022, 12, 24.	1.2	8
224	Extraction of the terahertz parameters from the UVâ€“Vis optical conductivity of some (NaB)2O4 glasses doped with cerium oxide: AÂnovel correlation between electrical & optical conductivities. Journal of Materials Science: Materials in Electronics, 2022, 33, 12397-12407.	1.1	8
225	Conduction Mechanism of 4-Aminoantipyrine as a New Organic Semiconductor. Acta Physica Polonica A, 2014, 125, 1167-1171.	0.2	7
226	Study of the Diffused Reflectance and Microstructure for the Phase Transformation of KNO3. Acta Physica Polonica A, 2015, 127, 734-740.	0.2	7
227	Impedance Spectroscopy of n-CdTe/p-CdMnTe/p-GaAs Diluted Magnetic Diode. Journal of Electronic Materials, 2015, 44, 2768-2772.	1.0	7
228			

#	Article	IF	Citations
235	Improved ammonia vapor sensing properties of Al-doped ZnO nanoparticles prepared by sol-gel process. Physica Scripta, 2021, 96, 085802.	1.2	7
236	Facile deposition of non-crystalline films of indium (III) phthalocyanine chloride for flexible electronic applications. Journal of Non-Crystalline Solids, 2021, 571, 121043.	1.5	7
237	Impact of graphite impurities on the structure and optical properties of the sodium borate oxide glass. Journal of Materials Science: Materials in Electronics, 2021, 32, 27553.	1.1	7
238	Multifunctional and smart Er2O3â€“ZnO nanocomposites for electronic ceramic varistors and visible light degradation of wastewater treatment. Environmental Science and Pollution Research, 2022, 29, 19109-19131.	2.7	7
239	Humidity sensing behaviour of Rubidium-doped Magnesium ferrite for sensor applications. Journal of Materials Science: Materials in Electronics, 0, , 1.	1.1	7
240	Nano-crystalline p-ZnGa2Te4/n-Si as a new heterojunction diode. Materials Research Bulletin, 2013, 48, 752-759.	2.7	6
241	Synthesis and characterization of ZnO tetrapods. Applied Physics A: Materials Science and Processing, 2015, 119, 1397-1403.	1.1	6
242	Synthesis and characterization of DSSC by using Pt nano-counter electrode: photosensor applications. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	6
243	Effect of the different concentrations of ZnO:Mn incorporation on the microstructure and dielectric properties of epoxy nanocomposites. Journal of Materials Science: Materials in Electronics, 2018, 29, 5908-5917.	1.1	6
244	Magnetic Properties of Some Tellurite Glasses. Journal of Superconductivity and Novel Magnetism, 2018, 31, 3079-3084.	0.8	6
245	Facile synthesis and characterization of Co₃O₄ nanoplates coated with small nanorods. Materials Research Express, 2019, 6, 105042.	0.8	6
246	Physico-chemical properties of acid fuchsin as novel organic semiconductors: Structure, optical and electrical properties. Physica B: Condensed Matter, 2019, 571, 71-75.	1.3	6
247	Reaction of 2â€²minoâ€2 H â€chromeneâ€3â€carboxamide with Phosphorus Isothiocyanates: First Synthesis of Novel Chromeno[2,3â€•d]pyrimidinyl and Bis(chromeno[2,3â€•d]pyrimidinyl)phosphines and Chromeno[2â€²,3â€²:4,5]pyrimido[2,1â€•d][1,3,5,2]triazaphosphinine. Journal of Heterocyclic Chemistry, 2019, 56, 1646-1650.	1.4	6
248	Physical and electrical propertiesâ€™ evaluation of SnS:Cu thin films. Surface Engineering, 2021, 37, 137-147.	1.1	6
249	Multicomponent Synthesis of Novel Functionalized Pyrano[2â€²,3â€²:4,5]pyrimido[1,6-b][1,2,4,5]triazaphosphinines. Russian Journal of Organic Chemistry, 2021, 57, 469-475.	0.3	6
250	Electronic, optical, and catalytic properties of finite antimonene nanoribbons: first principles study. Physica Scripta, 2022, 97, 035802.	1.2	6
251	Photoluminescence and optical dispersion parameters of N-doped ZnO nano-fiber thin films. Journal of Electroceramics, 2013, 30, 152-158.	0.8	5
252	Characterization of mono-crystalline silicon solar cell. Applied Solar Energy (English Translation of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.2	5

#	Article	IF	Citations
253	Optical and microelectronic analysis of rhodamine B-based organic Schottky diode: a new trend application. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	5
254	The Chemical Behavior of (2E)-3-(4,9-Dimethoxy-5-Oxo-5H-Furo[3,2-g]) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 T 2021, 41, 1357-1368.	1.4	5
255	The effects of gamma irradiation on dielectric properties of Ag/Gd co-doped hydroxyapatites. Journal of Materials Science: Materials in Electronics, 2019, 30, 10443-10453.	1.1	5
256	First-principle calculation for inherent stabilities of LixCoPO4, NaxCoPO4 and the mixture LixNayCoPO4. Journal of Physics and Chemistry of Solids, 2020, 136, 109192.	1.9	5
257	Tailoring the properties of nebulizer spray pyrolysis coated FTO thin films through rare earth element terbium for optoelectronic applications. Physica B: Condensed Matter, 2020, 580, 411916.	1.3	5
258	Convective self-assembled processed multiwall carbon nanotube thin films for semi-transparent microelectronic applications. Journal of Materials Science: Materials in Electronics, 2020, 31, 12127-12136.	1.1	5
259	Impact of gadolinium doping on structure, electrical and magnetic properties of GdxCd1â^'xMnO3 manganite nanoparticles. Journal of Materials Science: Materials in Electronics, 2021, 32, 11628-11639.	1.1	5
260	Synthesis, optical properties, and impedance spectroscopy of Na2TeO3 doped polyvinyl alcohol as novel polymeric electrolyte films. Optical and Quantum Electronics, 2021, 53, 1.	1.5	5
261	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.	1.2	5
262	Eco-friendly synthesis of g-carbon nitride coated graphene nanocomposites for superior visible photodegradation of hydroquinone: Physicochemical mechanisms and photo-Fenton effect. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 426, 113734.	2.0	5
263	Photovoltaic Properties and Negative Capacitance Spectroscopy of PCBM:P3HT/FTO Nanostructured Counter Electrode for TiO2-Based DSSC. Journal of Inorganic and Organometallic Polymers and Materials, 2012, 22, 1240-1247.	1.9	4
264	Effect of N⁵⁺ion irradiation on<scp>l</scp>-ornithine monohydrochloride single crystals: an organic nonlinear optical material. Radiation Effects and Defects in Solids, 2014, 169, 954-964.	0.4	4
265	Enhanced optoelectronic, thermal, mechanical and third order nonlinear optical properties of dichlorobis(thiourea)zinc(II) crystal: an effect of Phenol red dye. Journal of Materials Science: Materials in Electronics, 2017, 28, 5733-5745.	1.1	4
266	Key optoelectronic properties of Diiodo-bis(carbamide)-zinc(II): An experimental and computational investigation. Journal of Molecular Structure, 2018, 1156, 146-155.	1.8	4
267	Design and microelectronic analysis of Au/ZnTe:I/CdTe:I/GaAs/In photosensor for optoelectronic applications using MBE technology. Journal of Materials Science: Materials in Electronics, 2019, 30, 4936-4942.	1.1	4
268	Rapid synthesis of cesium-doped hydroxyapatite nanorods: characterisation and microbial activity. Advances in Applied Ceramics, 2019, 118, 340-350.	0.6	4
269	Activation of LiCoPO4 in Air. Journal of Electronic Materials, 2021, 50, 3105-3110.	1.0	4
270	Rhodamine-6G organic films for optical limits: structural analysis, surface morphology, linear and nonlinear optical characteristics. European Physical Journal Plus, 2021, 136, 1.	1.2	4

#	Article	IF	Citations
271	Molecular modeling analyses for electronic properties of CNT/TiO2 nanocomposites. Optical and Quantum Electronics, 2021, 53, 1.	1.5	4
272	Facile microwave-assisted synthesis of Al:Mn co-doped PbI₂ nanosheets: structural, vibrational, morphological, dielectric and radiation activity studies. Materials Science-Poland, 2018, 36, 320-326.	0.4	4
273	Design novel, flexible, and wide-scale CUT-OFF laser filters of Eosin Yellow dye/PVA polymeric composite films: Enhance the electrical conductivity and dielectric properties of PVA. Optik, 2022, 253, 168582.	1.4	4
274	Study of the optically diffused reflectance and thermal-microstructure for the phase transformation of AgNO3. Applied Physics A: Materials Science and Processing, 2014, 116, 1445-1453.	1.1	3
275	Influence of Illumination on the Electrical Properties of p-(ZnMgTe/ZnTe:N)/CdTe/n-(CdTe:I)/GaAs Heterojunction Grown by Molecular Beam Epitaxy (MBE). Journal of Electronic Materials, 2017, 46, 1061-1066.	1.0	3
276	Novel Control of the Synthesis and Band Gap of Zinc Aluminate (ZnAl2O4) by Using a DC/RF Sputtering Technique. Silicon, 2018, 10, 1217-1223.	1.8	3
277	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.	1.1	3
278	Synthesis and Characterization of Some Novel Phosphorylated 4â€Oxoâ€2â€phenylquinazolines. Journal of Heterocyclic Chemistry, 2018, 55, 1955-1959.	1.4	3
279	Facile synthesis of some novel 1,3,4,2-oxa(thia)diazaphospholo[5,4-b]quinazolinones and 1,2,4,3-triazaphospholo[5,1-b]quinazolinones. Synthetic Communications, 2021, 51, 302-307.	1.1	3
280	The effect of the thickness on structural, optical limiting, and dielectric properties of hybrid coatings rhodamine B dye films on an epoxy polymeric substrate for display applications. Physica Scripta, 2021, 96, 125862.	1.2	3
281	Linear/nonlinear optical properties and dispersion parameters of nanocrystalline indigo organic semiconductor films. Physica B: Condensed Matter, 2022, 634, 413787.	1.3	3
282	Tailoring the optical characteristics and band-gap of BG doped PMMA/FTO nanocomposite films for laser power attenuation: New approach. Physica B: Condensed Matter, 2022, 641, 414081.	1.3	3
283	Structure Analysis and Optical Parameters of Nano-scale ZnSe/Flexible Substrate Thin Film. Journal of Electronic Materials, 2017, 46, 527-534.	1.0	2
284	Synthesis of novel 3-phenyl-2-oxido/sulfido-1,3,4,2-benzoxadiazaphosphepines. Synthetic Communications, 2018, 48, 1828-1837.	1.1	2
285	Facile microwave synthesis of silver nanoplates: optical plasmonic and antimicrobial activity. Materials Research Express, 2019, 6, 095073.	0.8	2
286	Structural Analyses of Halide Alkali Lead Borate Glasses. Silicon, 2019, 11, 2413-2419.	1.8	2
287	Vanadium Chloride Impregnated Polyvinyl Alcohol Composite as Efficient Linear, Non-Linear, and Limiting Optical Applications: Microstructure, Electrical, and Optical Properties. Physics of the Solid State, 2021, 63, 165-182.	0.2	2
288	TiO₂-nanoparticles enhances the structure and optical behaviors of PMMA/glass polymeric films: Kramers-Kroning analysis. Physica Scripta, 2021, 96, 035801.	1.2	2

#	Article	IF	Citations
289	Effect of Graphene Additives on the Structure and Optical Parameters of Pure Sodium Borate Glass. Journal of Electronic Materials, 2022, 51, 2203-2211.	1.0	2
290	Synthesis and Characterization of Sr0.85Pb0.15Mn1â^'xSnxO3 Perovskite Manganite Nanostructures: Structural, Electrical, and Magnetic Properties. Journal of Electronic Materials, 2022, 51, 5322-5335.	1.0	2
291	Phenol red dyed Bis thiourea Zinc acetate crystal growth and characterization for electro-optic applications. Optik, 2018, 158, 997-1005.	1.4	1
292	Technical synthesis and characterization of nanospherical cadmium oxide/conductive substrate thin films: optical linearity and nonlinearity. Materials Research Express, 2019, 6, 086430.	0.8	1
293	Regioselective Synthesis of Novel Functionalized Pyrano[2â€²,3â€²:4,5]pyrimido[1,6-b][1,2,4,5]triazaphosphepines. Russian Journal of Organic Chemistry, 2021, 57, 79-84.	0.3	1
294	Resistivity and magnetization bimodal improvement in Ni ferrite nanoparticles by Mg substitution. Journal of the Australian Ceramic Society, 2021, 57, 719.	1.1	1
295	Synthesis and Characterization of Yttrium-Doped Hydroxyapatite Nanoparticles and Their Potential Antimicrobial Activity. Journal of Biomaterials and Tissue Engineering, 2021, 11, 2087-2096.	0.0	1
296	Synthesis and characterization of versatile MgO: synthetic wastewater treatment and anti-bacterial activity against B. subtilus and E. coli. , 0, 153, 234-243.		1
297	Synthesis, structure, electrical conductivity, and magnetic properties of BaMn1â^'xNixO3 nano-perovskite. Journal of the Australian Ceramic Society, 0, , 1.	1.1	1
298	Optical and radiation shielding characteristics of tellurite glass doped with different rare-earth oxides. Journal of X-Ray Science and Technology, 2022, 30, 293-305.	0.7	1
299	Tailoring the structural, electrical, and optical features of Erbium(III)-Tris(8-hydroxyquinolinato) nanostructured films for optical applications: effect of film thickness. Journal of Materials Science: Materials in Electronics, 0, , 1.	1.1	1
300	Effect of Ag on ammonia sensing of nanostructured SnO2 films at ambient room conditions. Journal of Materials Science, 2022, 57, 7941-7953.	1.7	1
301	Towards high nonlinear optical susceptibility of Acid Fuchsin dye deposited on FTO substrate for optoelectronic applications. Journal of Materials Science: Materials in Electronics, 0, , .	1.1	1
302	Synthesis and electrical characterization of dyesensitized solar cell with Fluorescein Sodium Salt. , 2012, , .		0
303	Optical properties of nano-structured Pt/FTO counter electrode for QDSSCs. , 2013, , .		0
304	Electrical Characterization of Al/Ta₂O₅/Al Structures Grown by Electron Beam Deposition. Acta Physica Polonica A, 2014, 125, 1191-1196.	0.2	0
305	Facile Synthesis, Opticalâ€"Dielectricâ€"Electrical Studies on Carbon-Coated ZnO: An Effect of Gelatin. Journal of Electronic Materials, 2020, 49, 2144-2150.	1.0	0
306	Fabrication of a novel and low-cost disposable visual UVC sensors with short response time. Materials Letters, 2020, 263, 127219.	1.3	0

#	Article	IF	Citations
307	Corrigendum to â€œKramersâ€“Kronig calculations for linear and nonlinear optics of nanostructured methyl violet (CI-42535): New trend in laser power attenuation using dyesâ€•[Phys. B: Phys. Condens. Matter Volume 552 (1 January 2019) Pages 52â€“70 (PHYSB-D-18-01772R1)]. Physica B: Condensed Matter, 2020, 589, 412218.	1.3	0
308	Corrigendum to â€œA significant enhancement in visible-light photodetection properties of chemical spray pyrolysis fabricated CdS thin films by novel Eu doping concentrations by Shkir et al.,â€•[Sens. Actuators A 301 (2020) 111749]. Sensors and Actuators A: Physical, 2020, 313, 112169.	2.0	0
309	The effect of graphene+boron nitride/ZnO-based hybrid nanocomposites: synthesis, electrical, optical properties. Journal of the Australian Ceramic Society, 2021, 57, 1085-1095.	1.1	0
310	Microwave synthesis of Zn:Mn:PbI₂ micro-size nanosheets and their characterizations. Materials Science-Poland, 2020, 38, 367-373.	0.4	0
311	Low-cost and facile synthesis of chromium doped PbI2 nanostructures for optoelectronic devices and radiation detectors: Comparative study. Applied Surface Science Advances, 2022, 8, 100226.	2.9	0
312	Simple Synthesis and Characterization of Novel Polyvinyl Alcohol Capped Sodium Selenite Solid Composite Film (PVA: NaSe SCF) Samples. Journal of Science: Advanced Materials and Devices, 2022, , 100458.	1.5	0