

# Ibrahim Yahia

## List of Publications by Year in descending order

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312  
papers

7,165  
citations

61857

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Physical, Radiation Shielding and Crystallization Properties of Na <sub>2</sub> O-Bi <sub>2</sub> O <sub>3</sub> - MoO <sub>3</sub> -B <sub>2</sub> O <sub>3</sub> - SiO <sub>2</sub> -Fe <sub>2</sub> O <sub>3</sub> Glasses. Silicon, 2022, 14, 405-418.	1.8	46
2	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
3	Multifunctional and smart Er <sub>2</sub> O <sub>3</sub> –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
4	Influence of exchanging CeO <sub>2</sub> with Cu <sub>2</sub> O <sub>3</sub> on structural matrix, shielding, and linear/nonlinear optical parameters of the cerium-sodium borate glass. Optik, 2022, 249, 168267.	1.4	18
5	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
6	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
7	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
8	Enhanced the optical, electrical, and shielding properties of some alkali-borate glasses doped with lanthanide cerium oxide, CeO <sub>2</sub> . Journal of Materials Science: Materials in Electronics, 2022, 33, 3284-3296.	1.1	8
9	Highly sensitive hexagonal-shaped ZnS–Cu thin films for photo-detector applications. Journal of Materials Science: Materials in Electronics, 2022, 33, 2192-2203.	1.1	11
10	Cumulative Impact of Micropolar Fluid and Porosity on MHD Channel Flow: A Numerical Study. Coatings, 2022, 12, 93.	1.2	18
11	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
12	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
13	Electronic, optical, and catalytic properties of finite antimonene nanoribbons: first principles study. Physica Scripta, 2022, 97, 035802.	1.2	6
14	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
15	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
16	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
17	Thermal analysis for Na <sub>2</sub> O–sodium alginate magnetized Jeffrey's nanofluid flow past a stretching sheet embedded in a porous medium. Scientific Reports, 2022, 12, 3287.	1.6	10
18	Dissipated electroosmotic EMHD hybrid nanofluid flow through the micro-channel. Scientific Reports, 2022, 12, 4771.	1.6	24

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19	Optical and radiation shielding characteristics of tellurite glass doped with different rare-earth oxides. <i>Journal of X-Ray Science and Technology</i> , 2022, 30, 293-305.	0.7	1
20	Low-cost and facile synthesis of chromium doped PbI <sub>2</sub> nanostructures for optoelectronic devices and radiation detectors: Comparative study. <i>Applied Surface Science Advances</i> , 2022, 8, 100226.	2.9	0
21	Linear/nonlinear optical properties and dispersion parameters of nanocrystalline indigo organic semiconductor films. <i>Physica B: Condensed Matter</i> , 2022, 634, 413787.	1.3	3
22	Study of 3-D Prandtl Nanofluid Flow over a Convectively Heated Sheet: A Stochastic Intelligent Technique. <i>Coatings</i> , 2022, 12, 24.	1.2	8
23	Effect of Ag on ammonia sensing of nanostructured SnO <sub>2</sub> films at ambient room conditions. <i>Journal of Materials Science</i> , 2022, 57, 7941-7953.	1.7	1
24	Simple Synthesis and Characterization of Novel Polyvinyl Alcohol Capped Sodium Selenite Solid Composite Film (PVA: NaSe SCF) Samples. <i>Journal of Science: Advanced Materials and Devices</i> , 2022, , 100458.	1.5	0
25	Extraction of the terahertz parameters from the UV-Vis optical conductivity of some (NaB) <sub>2</sub> O <sub>4</sub> glasses doped with cerium oxide: A novel correlation between electrical & optical conductivities. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 12397-12407.	1.1	8
26	Tailoring the optical characteristics and band-gap of BG doped PMMA/FTO nanocomposite films for laser power attenuation: New approach. <i>Physica B: Condensed Matter</i> , 2022, 641, 414081.	1.3	3
27	Synthesis and Characterization of Sr <sub>0.85</sub> Pb <sub>0.15</sub> Mn <sub>1-x</sub> Sr <sub>x</sub> O <sub>3</sub> Perovskite Manganite Nanostructures: Structural, Electrical, and Magnetic Properties. <i>Journal of Electronic Materials</i> , 2022, 51, 5322-5335.	1.0	2
28	The Chemical Behavior of (2-E)-3-(4,9-Dimethoxy-5-Oxo-5-H-Furo[3,2-g]) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 T 2021, 41, 1357-1368.	1.4	5
29	Radiation, Crystallization, and Physical Properties of Cadmium Borate Glasses. <i>Silicon</i> , 2021, 13, 2289-2307.	1.8	48
30	Physical and electrical propertiesâ€™ evaluation of SnS:Cu thin films. <i>Surface Engineering</i> , 2021, 37, 137-147.	1.1	6
31	Analysis of optical linearity and nonlinearity of Fe <sup>3+</sup> -doped PMMA/FTO polymeric films: New trend for optoelectronic polymeric devices. <i>Physica B: Condensed Matter</i> , 2021, 601, 412628.	1.3	10
32	Spectroscopic, Structural, Thermal, and Mechanical Properties of B <sub>2</sub> O <sub>3</sub> -CeO <sub>2</sub> -PbO <sub>2</sub> Glasses. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 1774-1786.	1.9	51
33	A facile method to prepare g-carbon nitride/poly(vinyl alcohol) nanocomposite films with remarkable optoelectrical properties: Laser attenuation approach. <i>Optics and Laser Technology</i> , 2021, 134, 106600.	2.2	15
34	The detailed calculations of optical properties of indium-doped CdO nanostructured films using Kramers-Kronig relations. <i>Journal of Non-Crystalline Solids</i> , 2021, 552, 120454.	1.5	16
35	Optical and electrical properties of SnBr <sub>2</sub> -doped polyvinyl alcohol (PVA) polymeric solid electrolyte for electronic and optoelectronic applications. <i>Optik</i> , 2021, 228, 166129.	1.4	41
36	Ce/Sm co-doped hydroxyapatites: synthesis, characterization, and band structure calculation. <i>Journal of the Australian Ceramic Society</i> , 2021, 57, 305-317.	1.1	18

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37	High refractive index and third-order nonlinear optical susceptibility of nanostructured ZnSe/FTO thin films: Towards smart multifunctional optoelectronic materials. <i>Physica B: Condensed Matter</i> , 2021, 602, 412595.	1.3	21
38	Optical linearity and nonlinearity, structural morphology of TiO <sub>2</sub> -doped PMMA/FTO polymeric nanocomposite films: Laser power attenuation. <i>Optik</i> , 2021, 227, 166036.	1.4	25
39	Multifunctional Applications of a Novel Ru-Metal Mixed PVAL Flexible Composite for Limiting Absorption and Varistor: Synthesis, Optical, and Electrical Characterization. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 1503-1516.	1.9	7
40	Structural, electrical, and nonlinear optical performance of PVAL embedded with Li <sup>+</sup> ions for multifunctional devices. <i>Polymers for Advanced Technologies</i> , 2021, 32, 1011-1025.	1.6	7
41	Kramers-Kronig analysis of the optical linearity and nonlinearity of nanostructured Ga-doped ZnO thin films. <i>Optics and Laser Technology</i> , 2021, 135, 106691.	2.2	20
42	Structural and Mechanical Properties of Lithium Bismuth Borate Glasses Containing Molybdenum (LBBM) Together with their Glass-Ceramics. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 1057-1065.	1.9	52
43	Effect of thickness on structural and optical characteristics of Indium Phthalocyanine Chloride thin films for photodiode devices. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 1907-1917.	1.1	3
44	Vanadium Chloride Impregnated Polyvinyl Alcohol Composite as Efficient Linear, Non-Linear, and Limiting Optical Applications: Microstructure, Electrical, and Optical Properties. <i>Physics of the Solid State</i> , 2021, 63, 165-182.	0.2	2
45	Regioselective Synthesis of Novel Functionalized Pyrano[2,3- <i>b</i> ]pyrimido[1,6- <i>b</i> ][1,2,4,5]triazaphosphepines. <i>Russian Journal of Organic Chemistry</i> , 2021, 57, 79-84.	0.3	1
46	Structure analysis and nonlinear/linear optical properties of PVAOH/Si composites for low-cost optical technologies and limiting absorption. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 4466-4479.	1.1	9
47	Recent Advancement in Photo-Anode, Dye and Counter Cathode in Dye-Sensitized Solar Cell: A Review. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 1894-1901.	1.9	8
48	A facile fabrication of Sn-doped CeO <sub>2</sub> nanocrystalline thin films with enhanced photodiode properties for optoelectronic applications. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	1.1	10
49	Structural, Elastic Moduli, and Radiation Shielding of SiO <sub>2</sub> -TiO <sub>2</sub> -La <sub>2</sub> O <sub>3</sub> -Na <sub>2</sub> O Glasses Containing Y <sub>2</sub> O <sub>3</sub> . <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 1872-1884.	1.2	54
50	Resistivity and magnetization bimodal improvement in Ni ferrite nanoparticles by Mg substitution. <i>Journal of the Australian Ceramic Society</i> , 2021, 57, 719.	1.1	1
51	Structural, Optical and Dielectric Properties of Nd Doped NiO Thin Films Deposited with a Spray Pyrolysis Method. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 2691-2699.	1.9	14
52	Activation of LiCoPO <sub>4</sub> in Air. <i>Journal of Electronic Materials</i> , 2021, 50, 3105-3110.	1.0	4
53	Multicomponent Synthesis of Novel Functionalized Pyrano[2,3- <i>b</i> ]pyrimido[1,6- <i>b</i> ][1,2,4,5]triazaphosphinines. <i>Russian Journal of Organic Chemistry</i> , 2021, 57, 469-475.	0.3	6
54	Optical and structural studies of some zinc calcium borate glasses for optoelectronic device applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 9392-9399.	1.1	21

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55	A novel polymer/ceramic composite film for different optical applications: optical linear, nonlinear, and limiting properties. <i>Physica Scripta</i> , 2021, 96, 055804.	1.2	7
56	Enhancing the optical absorption, conductivity, and nonlinear parameters of PVOH films by Bi-doping. <i>New Journal of Physics</i> , 2021, 23, 043001.	1.2	23
57	Impact of gadolinium doping on structure, electrical and magnetic properties of GdxCd1-xMnO3 manganite nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 11628-11639.	1.1	5
58	Rhodamine-6G organic films for optical limits: structural analysis, surface morphology, linear and nonlinear optical characteristics. <i>European Physical Journal Plus</i> , 2021, 136, 1.	1.2	4
59	Molecular modeling analyses for electronic properties of CNT/TiO2 nanocomposites. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	1.5	4
60	Synthesis and optical characterization of nanocrystalline fluorine-doped tin oxide films: conductive window layer for optoelectronic applications. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	1.1	10
61	Fabrication of Cost-Effective Nebulizer Sprayed In2S3 Thin Films for Photodetector Applications. <i>Journal of Electronic Materials</i> , 2021, 50, 4373-4380.	1.0	8
62	Synthesis, optical properties, and impedance spectroscopy of Na2TeO3 doped polyvinyl alcohol as novel polymeric electrolyte films. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	1.5	5
63	Improved ammonia vapor sensing properties of Al-doped ZnO nanoparticles prepared by sol-gel process. <i>Physica Scripta</i> , 2021, 96, 085802.	1.2	7
64	The effect of graphene+boron nitride/ZnO-based hybrid nanocomposites: synthesis, electrical, optical properties. <i>Journal of the Australian Ceramic Society</i> , 2021, 57, 1085-1095.	1.1	0
65	Microstructure analysis and nonlinear/linear optical parameters of polymer composite films based PVAL for wide optical applications. <i>Physica Scripta</i> , 2021, 96, 115804.	1.2	13
66	Influence of the structural matrix on the attenuation parameters of some iron-borophosphate glasses. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 21135-21154.	1.1	8
67	Preparation, Raman spectroscopy, surface morphology and optical properties of TiPcCl2 nanostructured films: thickness effect. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	1.5	13
68	Microwave assisted synthesis of quantum dots like ZnS nanoparticles for optoelectronic applications: An effect of CTAB concentrations. <i>Optik</i> , 2021, 240, 166812.	1.4	11
69	Structural characterization and optical properties of nanostructured indium (III) phthalocyanine chloride/FTO thin films for photoelectric applications. <i>Optik</i> , 2021, 239, 166780.	1.4	12
70	Investigating the structural morphology, linear/nonlinear optical characteristics of Nd <sub>2</sub> O <sub>3</sub> doped PVA polymeric composite films: Kramers-Kronig approach. <i>Physica Scripta</i> , 2021, 96, 125831.	1.2	8
71	Thermal growth in solar water pump using Prandtl-Eyring hybrid nanofluid: a solar energy application. <i>Scientific Reports</i> , 2021, 11, 18704.	1.6	72
72	Facile fabrication of Ag/Y: CdS/Ag thin films-based photodetectors with enhanced photodetection performance. <i>Sensors and Actuators A: Physical</i> , 2021, 331, 112890.	2.0	14

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73	Synthesis and Characterization of Yttrium-Doped Hydroxyapatite Nanoparticles and Their Potential Antimicrobial Activity. <i>Journal of Biomaterials and Tissue Engineering</i> , 2021, 11, 2087-2096.	0.0	1
74	Investigating NaIO <sub>3</sub> doped PVA polymeric nanocomposites via the structural morphology and linear and nonlinear optical analysis: For optoelectronic systems. <i>Optik</i> , 2021, 245, 167724.	1.4	17
75	Facile deposition of non-crystalline films of indium (III) phthalocyanine chloride for flexible electronic applications. <i>Journal of Non-Crystalline Solids</i> , 2021, 571, 121043.	1.5	7
76	Studying the surface morphology, linear and nonlinear optical properties of manganese (III) phthalocyanine chloride/FTO films. <i>Physica B: Condensed Matter</i> , 2021, 622, 413355.	1.3	16
77	Ammonium iodide salt-doped polyvinyl alcohol polymeric electrolyte for UV-shielding filters: synthesis, optical and dielectric characteristics. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 4416-4436.	1.1	18
78	A facile microwave-assisted synthesis of novel ZnMn <sub>2</sub> O <sub>4</sub> nanoparticles and their structural, morphological, optical, surface area, and dielectric studies. <i>Indian Journal of Physics</i> , 2021, 95, 43-49.	0.9	9
79	Impact of graphite impurities on the structure and optical properties of the sodium borate oxide glass. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 27553.	1.1	7
80	TiO <sub>2</sub> -nanoparticles enhances the structure and optical behaviors of PMMA/glass polymeric films: Kramers-Kronig analysis. <i>Physica Scripta</i> , 2021, 96, 035801.	1.2	2
81	Facile synthesis of some novel 1,3,4,2-oxa(thia)diazaphospholo[5,4- <i>b</i> ]quinazolinones and 1,2,4,3-triazaphospholo[5,1- <i>b</i> ]quinazolinones. <i>Synthetic Communications</i> , 2021, 51, 302-307.	1.1	3
82	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. <i>Physica Scripta</i> , 2021, 96, 125862.	1.2	3
83	MHD darcy-forchheimer nanofluid flow and entropy optimization in an odd-shaped enclosure filled with a (MWCNT-Fe <sub>3</sub> O <sub>4</sub> /water) using galerkin finite element analysis. <i>Scientific Reports</i> , 2021, 11, 22635.	1.6	39
84	Galerkin finite element study for mixed convection (TiO <sub>2</sub> -SiO <sub>2</sub> /water) hybrid-nanofluidic flow in a triangular aperture heated beneath. <i>Scientific Reports</i> , 2021, 11, 22905.	1.6	16
85	Heat Transfer Impacts on Maxwell Nanofluid Flow over a Vertical Moving Surface with MHD Using Stochastic Numerical Technique via Artificial Neural Networks. <i>Coatings</i> , 2021, 11, 1483.	1.2	24
86	Comparative Study on Effects of Thermal Gradient Direction on Heat Exchange between a Pure Fluid and a Nanofluid: Employing Finite Volume Method. <i>Coatings</i> , 2021, 11, 1481.	1.2	34
87	MHD Hybrid Nanofluid Flow Due to Rotating Disk with Heat Absorption and Thermal Slip Effects: An Application of Intelligent Computing. <i>Coatings</i> , 2021, 11, 1554.	1.2	16
88	Entropy Optimized Second Grade Fluid with MHD and Marangoni Convection Impacts: An Intelligent Neuro-Computing Paradigm. <i>Coatings</i> , 2021, 11, 1492.	1.2	17
89	Influence of entropy on Brinkman-Forchheimer model of MHD hybrid nanofluid flowing in enclosure containing rotating cylinder and undulating porous stratum. <i>Scientific Reports</i> , 2021, 11, 24316.	1.6	26
90	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. <i>Arabian Journal of Chemistry</i> , 2020, 13, 1490-1498.	2.3	9

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91	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.	2.2	35
92	Deposition of nanostructured methyl violet-10B films/FTO: Optical limiting and optical linearity/nonlinearity. <i>Materials Chemistry and Physics</i> , 2020, 240, 122074.	2.0	17
93	First-principle calculation for inherent stabilities of $\text{Li}_x\text{CoPO}_4$ , $\text{Na}_x\text{CoPO}_4$ and the mixture $\text{Li}_x\text{Na}_y\text{CoPO}_4$ . <i>Journal of Physics and Chemistry of Solids</i> , 2020, 136, 109192.	1.9	5
94	A significant enhancement in visible-light photodetection properties of chemical spray pyrolysis fabricated CdS thin films by novel Eu doping concentrations. <i>Sensors and Actuators A: Physical</i> , 2020, 301, 111749.	2.0	72
95	Microstructural and electrical properties evaluation of lead doped tin sulfide thin films. <i>Journal of Sol-Gel Science and Technology</i> , 2020, 93, 52-61.	1.1	19
96	Multifunctional Applications of Graphene-Doped PMMA Nanocomposite Membranes for Environmental Photocatalytic. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 2708-2719.	1.9	25
97	Facile Synthesis, Optical Dielectric Electrical Studies on Carbon-Coated ZnO: An Effect of Gelatin. <i>Journal of Electronic Materials</i> , 2020, 49, 2144-2150.	1.0	0
98	Fabrication of a novel and low-cost disposable visual UVC sensors with short response time. <i>Materials Letters</i> , 2020, 263, 127219.	1.3	0
99	Facilely fabricated Dy:PbI <sub>2</sub> /glass thin films and their structural, linear and nonlinear optical studies for opto-nonlinear applications. <i>Vacuum</i> , 2020, 173, 109122.	1.6	22
100	Analysis of neodymium rare earth element doping in PbS films for opto-electronics applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 1817-1827.	1.1	13
101	An impact of Cr-doping on physical properties of PbI <sub>2</sub> thin films facilely deposited by spin coating technique. <i>Superlattices and Microstructures</i> , 2020, 138, 106370.	1.4	20
102	An effect of lanthanum doping on physical characteristics of FTO thin films coated by nebulizer spray pyrolysis technique. <i>Optical Materials</i> , 2020, 99, 109518.	1.7	17
103	Tailoring the properties of nebulizer spray pyrolysis coated FTO thin films through rare earth element terbium for optoelectronic applications. <i>Physica B: Condensed Matter</i> , 2020, 580, 411916.	1.3	5
104	Photovoltaic and capacitance measurements of solar cells comprise of Al-doped CdS (QD) and hierarchical flower-like TiO <sub>2</sub> nanostructured electrode. <i>Results in Physics</i> , 2020, 16, 102827.	2.0	16
105	Anomalous behaviour of the electrical properties for PVA/TiO <sub>2</sub> nanocomposite polymeric films. <i>Polymer Bulletin</i> , 2020, 77, 6255-6269.	1.7	27
106	Structural investigation and optical enhancement characterization of nanostructured Ga-doped @CdO/FTO films for photodiode applications. <i>Optical Materials</i> , 2020, 110, 110458.	1.7	12
107	Mechanical and radiation-shielding properties of $\text{B}_2\text{O}_3\text{-P}_2\text{O}_5\text{-Li}_2\text{O-MoO}_3$ glasses. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	65
108	Design of a low-cost laser CUT-OFF filters using carmine dye-doped PVA polymeric composite films. <i>Results in Physics</i> , 2020, 18, 103203.	2.0	17

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109	Convective self-assembled processed multiwall carbon nanotube thin films for semi-transparent microelectronic applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 12127-12136.	1.1	5
110	Thermally evaporated of homogeneous nanostructured gallium-phthalocyanine-chloride films: Optical spectroscopy. <i>Optical Materials</i> , 2020, 109, 110407.	1.7	18
111	Optical analysis of methyl violet thin films/polymeric substrate for flexible organic technology. <i>Optical and Quantum Electronics</i> , 2020, 52, 1.	1.5	7
112	Enhancement in photodetection properties of PbI <sub>2</sub> with graphene oxide doping for visible-light photodetectors. <i>Sensors and Actuators A: Physical</i> , 2020, 314, 112223.	2.0	15
113	Nickel Cobaltite Functionalized Silver Doped Carbon Xerogels as Efficient Electrode Materials for High Performance Symmetric Supercapacitor. <i>Materials</i> , 2020, 13, 4906.	1.3	20
114	Investigation of erbium co-doping on fluorine doped tin oxide via nebulizer spray pyrolysis for optoelectronic applications. <i>Optical and Quantum Electronics</i> , 2020, 52, 1.	1.5	8
115	Corrigendum to "Kramers" Kronig calculations for linear and nonlinear optics of nanostructured methyl violet (CI-42535): New trend in laser power attenuation using dyes" [ <i>Phys. B: Phys. Condens. Matter</i> Volume 552 (1 January 2019) Pages 52-70 (PHYSB-D-18-01772R1)]. <i>Physica B: Condensed Matter</i> , 2020, 589, 412218.	1.3	0
116	A novel $\text{Fe}_2\text{O}_3/\text{MoS}_2$ heterostructure for enhanced visible-light photocatalytic performance using ultrasonication approach. <i>Ceramics International</i> , 2020, 46, 19600-19608.	2.3	21
117	Thin films of nanostructured gallium (III) chloride phthalocyanine deposited on FTO: Structural characterization, optical properties, and laser optical limiting. <i>Physica B: Condensed Matter</i> , 2020, 593, 412321.	1.3	20
118	Praseodymium doped PbS thin films for optoelectronic applications prepared by nebulizer spray pyrolysis. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	16
119	Corrigendum to "A significant enhancement in visible-light photodetection properties of chemical spray pyrolysis fabricated CdS thin films by novel Eu doping concentrations by Shkir et al." [ <i>Sens. Actuators A</i> 301 (2020) 111749]. <i>Sensors and Actuators A: Physical</i> , 2020, 313, 112169.	2.0	0
120	Nanocomposites of ZnO Nanorods In-Situ Grown on Graphitic Carbon Nitride for Ethanol Sensing. <i>IEEE Sensors Journal</i> , 2020, 20, 11097-11104.	2.4	7
121	Detailed investigation of optical linearity and nonlinearity of nanostructured Ce-doped CdO thin films using Kramers" Kronig relations. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	12
122	Spectroscopic Properties, Electronic Polarizability, and Optical Basicity of Titanium" Cadmium Tellurite Glasses Doped with Different Amounts of Lanthanum. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 4999-5008.	1.9	47
123	Nucleophilic Reactivity of a Novel 3-Chloro-3-(4,9-dimethoxy-5-oxo-5H-furo[3,2-g]chromen-6-yl)prop-2-enal. <i>Russian Journal of Organic Chemistry</i> , 2020, 56, 845-855.	0.3	9
124	Physicochemical properties of a nanocomposite (graphene oxide-hydroxyapatite-cellulose) immobilized by Ag nanoparticles for biomedical applications. <i>Results in Physics</i> , 2020, 16, 102990.	2.0	35
125	Preparation and spectroscopic studies of PbI <sub>2</sub> -doped poly(methyl methacrylate) nanocomposites films: Dielectric and optical limiting approach. <i>Optical Materials</i> , 2020, 100, 109626.	1.7	10
126	Nanostructure and enhancement of the optical properties of Tb-doped NiO for photodiode applications. <i>Chinese Journal of Physics</i> , 2020, 64, 87-102.	2.0	12



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127	An effect of Fe on physical properties of nanostructured NiO thin films for nonlinear optoelectronic applications. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	22
128	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. <i>Dyes and Pigments</i> , 2020, 176, 108199.	2.0	18
129	Structural characterization and optical properties of zeolitic imidazolate frameworks (ZIF-8) for solid-state electronics applications. <i>Optical Materials</i> , 2020, 100, 109648.	1.7	31
130	Role of B-site cation on the structure, magnetic and dielectric properties of nanosized $\text{La}_{0.7}\text{Sr}_{0.3}\text{Fe}_{1-x}\text{M}_x\text{O}_3$ (M = Mn; Co and x = 0, 0.5) perovskites. <i>Materials Research Express</i> , 2020, 7, 056104.	0.8	9
131	Optical Analysis and UV-Blocking Filter of Cadmium Iodide-Doped Polyvinyl Alcohol Polymeric Composite Films: Synthesis and Dielectric Properties. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 3940-3952.	1.9	30
132	Synthesis, optical limiting and properties of Rhodamine B-doped PMMA polymeric films/glass substrate: New trends in polymeric composites. <i>Optik</i> , 2020, 212, 164687.	1.4	11
133	Facile deposition of nanostructured Rhodamine-6G/FTO optical system thin films for optical limiting. <i>Materials Chemistry and Physics</i> , 2020, 247, 122877.	2.0	7
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142	Facile microwave synthesis of silver nanoplates: optical plasmonic and antimicrobial activity. <i>Materials Research Express</i> , 2019, 6, 095073.	0.8	2
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158	Novel design and microelectronic analysis of highly stable Au/Indigo/n-Si photodiode for optoelectronic applications. <i>Solid State Sciences</i> , 2019, 93, 7-12.	1.5	23
159	A facilely one pot low temperature synthesis of novel Pt doped PbS nanopowders and their characterizations for optoelectronic applications. <i>Journal of Molecular Structure</i> , 2019, 1192, 68-75.	1.8	21
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198	Synthesis, Optical and Photoluminescence Properties of Cu-Doped ZnO Nano-Fibers Thin Films: Nonlinear Optics. <i>Journal of Electronic Materials</i> , 2018, 47, 1798-1805.	1.0	29

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237	Lithium-doped hydroxyapatite nano-composites: Synthesis, characterization, gamma attenuation coefficient and dielectric properties. <i>Radiation Physics and Chemistry</i> , 2017, 130, 85-91.	1.4	75
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239	Facile microwave-assisted synthesis of Te-doped hydroxyapatite nanorods and nanosheets and their characterizations for bone cement applications. <i>Materials Science and Engineering C</i> , 2017, 72, 472-480.	3.8	62
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244	An investigation on linear and non-linear optical constants of nano-spherical CuPc thin films for optoelectronic applications. <i>Physica B: Condensed Matter</i> , 2016, 496, 9-14.	1.3	29
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