

Ibrahim S Yahia

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

347
papers

5,017
citations

36
h-index

52
g-index

377
ext. papers

6,342
ext. citations

2.9
avg, IF

6.72
L-index

#	Paper	IF	Citations
347	Highly sensitive hexagonal-shaped ZnS/Cu thin films for photo-detector applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2022 , 33, 2192	2.1	1
346	Cumulative Impact of Micropolar Fluid and Porosity on MHD Channel Flow: A Numerical Study. <i>Coatings</i> , 2022 , 12, 93	2.9	2
345	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. <i>Optik</i> , 2022 , 253, 168582	2.5	1
344	Gamma-ray attenuation properties and fast neutron removal cross-section of Cu ₂ CdSn ₃ S ₈ and binary sulfide compounds (Cu/Cd/Sn S) using phy-X/PSD software. <i>Radiation Physics and Chemistry</i> , 2022 , 193, 109989	2.5	1
343	Effect of replacement of SiO ₂ with BaTiO ₃ on the cadmium calcium-borate glass: Aiming to obtain an active glass for optical and shielding applications. <i>Radiation Physics and Chemistry</i> , 2022 , 193, 109955	2.5	0
342	Detection of humoral immune response induced in horses vaccinated with inactivated Equine Herpes Virus Vaccine. <i>Revista Bionatura</i> , 2022 , 7, 1-4	0.3	
341	Analysis of the Radiation Attenuation Parameters of Cu ₂ HgI ₄ , Ag ₂ HgI ₄ , and (Cu/Ag/Hg I) Semiconductor Compounds. <i>Crystals</i> , 2022 , 12, 276	2.3	0
340	Effect of Graphene Additives on the Structure and Optical Parameters of Pure Sodium Borate Glass. <i>Journal of Electronic Materials</i> , 2022 , 51, 2203-2211	1.9	1
339	Agrawal Axisymmetric Rotational Stagnation-Point Flow of a Water-Based Molybdenum Disulfide-Graphene Oxide Hybrid Nanofluid and Heat Transfer Impinging on a Radially Permeable Moving Rotating Disk.. <i>Nanomaterials</i> , 2022 , 12,	5.4	2
338	Aspects of Uniform Horizontal Magnetic Field and Nanoparticle Aggregation in the Flow of Nanofluid with Melting Heat Transfer.. <i>Nanomaterials</i> , 2022 , 12,	5.4	5
337	Low-cost and facile synthesis of chromium doped PbI ₂ nanostructures for optoelectronic devices and radiation detectors: Comparative study. <i>Applied Surface Science Advances</i> , 2022 , 8, 100226	2.6	
336	Linear/nonlinear optical properties and dispersion parameters of nanocrystalline indigo organic semiconductor films. <i>Physica B: Condensed Matter</i> , 2022 , 634, 413787	2.8	0
335	Effect of Gd doping on spray pyrolyzed NiO thin films for optoelectronic applications. <i>Physica B: Condensed Matter</i> , 2022 , 635, 413786	2.8	0
334	Study of 3-D Prandtl Nanofluid Flow over a Convectively Heated Sheet: A Stochastic Intelligent Technique. <i>Coatings</i> , 2022 , 12, 24	2.9	4
333	Comparative Degradation Studies of Carmine Dye by Photocatalysis and Photoelectrochemical Oxidation Processes in the Presence of Graphene/N-Doped ZnO Nanostructures. <i>Crystals</i> , 2022 , 12, 535	2.3	1
332	Numerical Solution of Schrödinger Equation by Crank-Nicolson Method. <i>Mathematical Problems in Engineering</i> , 2022 , 2022, 1-11	1.1	
331	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	4.3	

330	Applications of Prabhakar-like Fractional Derivative for the Solution of Viscous Type Fluid with Newtonian Heating Effect. <i>Fractal and Fractional</i> , 2022 , 6, 265	3	1
329	Electrical and photoelectrical properties of a vacuum-deposited MnClPc/n-Si heterojunction for photodiode application 2022 , 207239		0
328	Structural, electronic, and optoelectronic characteristics of GaClPc/n-Si heterojunction for photodiode device. <i>Materials Science in Semiconductor Processing</i> , 2022 , 147, 106704	4.3	0
327	Influence of graphene nanopowder impurities on the structural and optical properties of sodium borate copper-based glass: Towards UV-Shielding materials. <i>Solid State Sciences</i> , 2022 , 106911	3.4	0
326	One-pot synthesis of multifunctionalized Nd ₂ O ₃ dispersed ZnO nanocomposites for enhancing electrical, optical, and photocatalytic applications. <i>Journal of Materials Research and Technology</i> , 2022 , 19, 967-988	5.5	1
325	Enhancing the ultraviolet photosensing properties of nickel oxide thin films by ZnO co-doping. <i>Ceramics International</i> , 2021 , 48, 5026-5026	5.1	0
324	Influence of exchanging CeO ₂ with Cu ₂ O ₃ on structural matrix, shielding, and linear/nonlinear optical parameters of the cerium-sodium borate glass. <i>Optik</i> , 2021 , 249, 168267	2.5	6
323	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. <i>Synthetic Communications</i> , 2021 , 51, 302-307	1.7	2
322	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	2.6	1
321	Improved optoelectronic properties of Yttrium co-doped CdO:Zn thin films fabricated by nebulizer spray pyrolysis method for TCO applications. <i>Physica Scripta</i> , 2021 , 96, 125860	2.6	0
320	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	2.1	3
319	TiO ₂ -nanoparticles enhances the structure and optical behaviors of PMMA/glass polymeric films: Kramers-Kroning analysis. <i>Physica Scripta</i> , 2021 , 96, 035801	2.6	1
318	A facile microwave-assisted synthesis of novel ZnMn ₂ O ₄ nanoparticles and their structural, morphological, optical, surface area, and dielectric studies. <i>Indian Journal of Physics</i> , 2021 , 95, 43-49	1.4	3
317	Correlation between the Antibiotic Resistance Genes and Susceptibility to Antibiotics among the Carbapenem-Resistant Gram-Negative Pathogens. <i>Antibiotics</i> , 2021 , 10,	4.9	2
316	Activation of LiCoPO ₄ in Air. <i>Journal of Electronic Materials</i> , 2021 , 50, 3105-3110	1.9	1
315	Synthesis, structural, optical, dielectric properties, gamma radiation attenuation, and antimicrobial activity of V-doped hydroxyapatite nanorods. <i>Materials Today Communications</i> , 2021 , 26, 101981	2.5	4
314	Multicomponent Synthesis of Novel Functionalized Pyrano[2,3-d:4,5]pyrimido[1,6-b][1,2,4,5]triazaphosphinines. <i>Russian Journal of Organic Chemistry</i> , 2021 , 57, 469-475	0.7	5
313	Enhancement of optoelectronic properties of ZnO thin films by Al doping for photodetector applications. <i>Superlattices and Microstructures</i> , 2021 , 151, 106790	2.8	10

312	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	2.1	10
311	A novel polymer/ceramic composite film for different optical applications: optical linear, nonlinear, and limiting properties. <i>Physica Scripta</i> , 2021 , 96, 055804	2.6	3
310	Electronic and magnetic properties of graphene quantum dots doped with alkali metals. <i>Journal of Materials Research and Technology</i> , 2021 , 11, 1517-1533	5.5	8
309	Enhancing the properties of CdO thin films by co-doping with Mn and Fe for photodetector applications. <i>Sensors and Actuators A: Physical</i> , 2021 , 319, 112544	3.9	8
308	Enhancing the optical absorption, conductivity, and nonlinear parameters of PVOH films by Bi-doping. <i>New Journal of Physics</i> , 2021 , 23, 043001	2.9	5
307	Impact of gadolinium doping on structure, electrical and magnetic properties of GdxCd _{1-x} MnO ₃ manganite nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 11628-11639	2.1	1
306	Linear and nonlinear optical characteristics of manganese phthalocyanine chloride/polyacetate sheet: Towards flexible optoelectronic devices. <i>Optical Materials</i> , 2021 , 114, 110988	3.3	0
305	Synthesis and optical analysis of nanostructured F-doped ZnO thin films by spray pyrolysis: Transparent electrode for photocatalytic applications. <i>Optical Materials</i> , 2021 , 114, 110894	3.3	15
304	Seed supported solution growth and characterization of L-alanine single crystals for optoelectronics. <i>Journal of Crystal Growth</i> , 2021 , 560-561, 126041	1.6	1
303	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	3.1	2
302	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	2.6	2
301	Novel thermochromic (TC) and electrochromic (EC) characteristics of the V4O7 liquid crystal for LCDs and versatile optoelectronic applications. <i>Journal of Molecular Liquids</i> , 2021 , 330, 115620	6	7
300	Synthesis, optical properties, and impedance spectroscopy of Na ₂ TeO ₃ doped polyvinyl alcohol as novel polymeric electrolyte films. <i>Optical and Quantum Electronics</i> , 2021 , 53, 1	2.4	1
299	Rekindling of a Masterful Precedent; Bacteriophage: Reappraisal and Future Pursuits. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021 , 11, 635597	5.9	0
298	Improved UV Photodetection of Terbium-doped NiO thin films prepared by cost-effective nebulizer spray technique. <i>Materials Science in Semiconductor Processing</i> , 2021 , 127, 105673	4.3	8
297	KJ623766: A Natural Producer of Two Anthracycline Cytotoxic Metabolites [and Rhodomycinone. <i>Molecules</i> , 2021 , 26,	4.8	1
296	Physical and electrical properties Evaluation of SnS:Cu thin films. <i>Surface Engineering</i> , 2021 , 37, 137-147	2.6	2
295	Analysis of optical linearity and nonlinearity of Fe ³⁺ -doped PMMA/FTO polymeric films: New trend for optoelectronic polymeric devices. <i>Physica B: Condensed Matter</i> , 2021 , 601, 412628	2.8	2

294	Spectroscopic, Structural, Thermal, and Mechanical Properties of B ₂ O ₃ -CeO ₂ -PbO ₂ Glasses. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021 , 31, 1774-1786	3.2	26
293	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	4.2	4
292	Influence of the indium on the structure and the optical properties of the ZnO thin film: Kramer kronig relation and the spectroscopic ellipsometry. <i>Materials Letters</i> , 2021 , 283, 128783	3.3	2
291	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	3.9	5
290	Control the nanostructured growth of manganese oxide using starch: Electrical and optical analysis. <i>Optik</i> , 2021 , 227, 165969	2.5	2
289	Optical and electrical properties of SnBr ₂ -doped polyvinyl alcohol (PVA) polymeric solid electrolyte for electronic and optoelectronic applications. <i>Optik</i> , 2021 , 228, 166129	2.5	19
288	Ce/Sm co-doped hydroxyapatites: synthesis, characterization, and band structure calculation. <i>Journal of the Australian Ceramic Society</i> , 2021 , 57, 305-317	1.5	7
287	Novel approach of gamma attenuation performance of Cu ₂ SnZn(S,Se,Te) ₄ semiconductor materials: Radiation interactions with proton, alpha, carbon, electron, and photon. <i>Materials Science in Semiconductor Processing</i> , 2021 , 123, 105554	4.3	0
286	Gamma-ray attenuation, fast neutron removal cross-section and build up factor of Cu ₂ MnGe[S, Se, Te] ₄ semiconductor compounds: Novel approach. <i>Radiation Physics and Chemistry</i> , 2021 , 179, 109248	2.5	6
285	5-minute synthesis of gelatinous silver nanoparticles using microwave radiation: Plasmonic optical spectroscopy and antimicrobial activity. <i>Optik</i> , 2021 , 228, 166139	2.5	2
284	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	2.8	9
283	Optical linearity and nonlinearity, structural morphology of TiO ₂ -doped PMMA/FTO polymeric nanocomposite films: Laser power attenuation. <i>Optik</i> , 2021 , 227, 166036	2.5	8
282	The production of graphene by direct liquid phase exfoliation of graphite at moderate sonication power by using low boiling liquid media: The effect of liquid media on yield and optimization. <i>Ceramics International</i> , 2021 , 47, 521-533	5.1	13
281	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	3.2	3
280	Structural, electrical, and nonlinear optical performance of PVAL embedded with Li ⁺ -ions for multifunctional devices. <i>Polymers for Advanced Technologies</i> , 2021 , 32, 1011-1025	3.2	4
279	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	4.2	6
278	The synergistic effect of CNTs-polymeric surfactant on the properties of concrete nanocomposites: Comparative study. <i>Journal of Composite Materials</i> , 2021 , 55, 1371-1384	2.7	2
277	Structural and Mechanical Properties of Lithium Bismuth Borate Glasses Containing Molybdenum (LBBM) Together with their GlassCeramics. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021 , 31, 1057-1065	3.2	29

276	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	2.1	1
275	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	0.8	1
274	Regioselective Synthesis of Novel Functionalized Pyrano[2',3':4,5]pyrimido[1,6-b][1,2,4,5]triazaphosphepines. <i>Russian Journal of Organic Chemistry</i> , 2021 , 57, 79-84	0.7	1
273	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	2.1	2
272	Synthetic Methods for Phosphorus Compounds Containing Chromone and Thiochromone Rings. <i>Heterocycles</i> , 2021 , 102, 583	0.8	1
271	Hybrid multifunctional core/shell g-CN@TiO heterojunction nano-catalytic for photodegradation of organic dye and pharmaceutical compounds. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 29665-29680	5.1	0
270	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	3.2	2
269	A facile fabrication of Sn-doped CeO ₂ nanocrystalline thin films with enhanced photodiode properties for optoelectronic applications. <i>Applied Physics A: Materials Science and Processing</i> , 2021 , 127, 1	2.6	2
268	Structural, Elastic Moduli, and Radiation Shielding of SiO ₂ -TiO ₂ -La ₂ O ₃ -Na ₂ O Glasses Containing Y ₂ O ₃ . <i>Journal of Materials Engineering and Performance</i> , 2021 , 30, 1872-1884	1.6	27
267	Stretchable memory loops and photovoltaic characteristics of organic-inorganic solid-state iron (III) chloride tetraphenyl porphyrin /p-Si(111) nanostructure devices. <i>Sensors and Actuators A: Physical</i> , 2021 , 318, 112511	3.9	0
266	Resistivity and magnetization bimodal improvement in Ni ferrite nanoparticles by Mg substitution. <i>Journal of the Australian Ceramic Society</i> , 2021 , 57, 719	1.5	1
265	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	3.2	4
264	Optical manipulation of nebulizer spray pyrolysed ZnS thin films for photodetector applications: Effect of Al, Sn and Sb doping. <i>Optical Materials</i> , 2021 , 117, 111177	3.3	5
263	Pyrrole/thiophene Ebridged two triphenylamine electron donor and substituted thiobarbituric electron acceptor for D- π -A-D-featured DSSC applications. <i>Journal of the Chinese Chemical Society</i> , 2021 , 68, 1842	1.5	2
262	Adsorption properties and synthesis of silica aerogel-hollow silica microsphere hybrid (sandwich) structure. <i>Journal of Sol-Gel Science and Technology</i> , 2021 , 100, 74-88	2.3	0
261	Preparation, Raman spectroscopy, surface morphology and optical properties of TiPcCl ₂ nanostructured films: thickness effect. <i>Optical and Quantum Electronics</i> , 2021 , 53, 1	2.4	1
260	Microwave assisted synthesis of quantum dots like ZnS nanoparticles for optoelectronic applications: An effect of CTAB concentrations. <i>Optik</i> , 2021 , 240, 166812	2.5	1
259	Optical absorption and linear/nonlinear parameters of polyvinyl alcohol films doped by fullerene. <i>Chinese Journal of Physics</i> , 2021 , 72, 270-285	3.5	13

258	Structural characterization and optical properties of nanostructured indium (III) phthalocyanine chloride/FTO thin films for photoelectric applications. <i>Optik</i> , 2021 , 239, 166780	2.5	4
257	Electronic and physical studies for Teflon FEP as a thermal control in low earth orbit reinforced with ZnO and SiO nanoparticles. <i>Journal of Molecular Modeling</i> , 2021 , 27, 295	2	1
256	Comparative Numerical Study of Thermal Features Analysis between Oldroyd-B Copper and Molybdenum Disulfide Nanoparticles in Engine-Oil-Based Nanofluids Flow. <i>Coatings</i> , 2021 , 11, 1196	2.9	10
255	Structure-property relationship and spectroscopic studies of BaO-B ₂ O ₃ oxide glasses containing ZnO for optical applications. <i>Boletin De La Sociedad Espanola De Ceramica Y Vidrio</i> , 2021 ,	1.9	2
254	The Synthesis and Chemistry of 2-Imino-2H-Chromene-3-Carbo(Thio) Amides. <i>Mini-Reviews in Organic Chemistry</i> , 2021 , 18, 786-807	1.7	
253	Influence of the gradual increase of TiO ₂ -impurities on the structural and optical properties of some calcium sodium borate glasses. <i>Optik</i> , 2021 , 244, 167543	2.5	9
252	The joint effect of naphthalene-system and defects on dye removal by UiO-66 derivatives. <i>Microporous and Mesoporous Materials</i> , 2021 , 325, 111314	5.3	2
251	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	3.9	3
250	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	0.3	
249	Investigating NaIO ₃ doped PVA polymeric nanocomposites via the structural morphology and linear and nonlinear optical analysis: For optoelectronic systems. <i>Optik</i> , 2021 , 245, 167724	2.5	4
248	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	3.9	2
247	Effect of Ag ₂ O addition on structural and optical characteristics of B ₂ O ₃ -Bi ₂ O ₃ -Na ₂ O-Nb ₂ O ₅ oxide glass. <i>Optik</i> , 2021 , 247, 167857	2.5	5
246	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	2.8	2
245	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	2.1	4
244	Nickel Cobaltite Functionalized Silver Doped Carbon Xerogels as Efficient Electrode Materials for High Performance Symmetric Supercapacitor. <i>Materials</i> , 2020 , 13,	3.5	7
243	Radiation, Crystallization, and Physical Properties of Cadmium Borate Glasses. <i>Silicon</i> , 2020 , 13, 2289	2.4	34
242	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	2.4	4
241	Corrigendum to Kramers-Kronig calculations for linear and nonlinear optics of nanostructured methyl violet (CI-42535): New trend in laser power attenuation using dyes [Phys. B: Phys. Condens. Matter Volume 552 (1 January 2019) Pages 52-60 (PHYSB-D-18-01772R1)]. <i>Physica B: Condensed Matter</i> , 2020 , 589, 412218	2.8	

240	A novel $\text{Fe}_2\text{O}_3/\text{MoS}_2$ QDs heterostructure for enhanced visible-light photocatalytic performance using ultrasonication approach. <i>Ceramics International</i> , 2020 , 46, 19600-19608	5.1	4
239	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	2.8	7
238	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	2.6	8
237	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	2.6	8
236	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	3.2	38
235	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	0.7	7
234	Physicochemical properties of a nanocomposite (graphene oxide-hydroxyapatite-cellulose) immobilized by Ag nanoparticles for biomedical applications. <i>Results in Physics</i> , 2020 , 16, 102990	3.7	21
233	Preparation and spectroscopic studies of PbI ₂ -doped poly(methyl methacrylate) nanocomposites films: Dielectric and optical limiting approach. <i>Optical Materials</i> , 2020 , 100, 109626	3.3	5
232	Effect of carbon nanotubes/graphene nanoplates hybrid to ZnO matrix: production, electrical and optical properties of nanocomposite. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 3184-3196	2.1	9
231	Nanostructure and enhancement of the optical properties of Tb-doped NiO for photodiode applications. <i>Chinese Journal of Physics</i> , 2020 , 64, 87-102	3.5	9
230	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	2.6	11
229	Synthesis and technical analysis of 6-butyl-3-[(4-chlorophenyl)diazonyl]-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	4.6	8
228	Structural characterization and optical properties of zeolitic imidazolate frameworks (ZIF-8) for solid-state electronics applications. <i>Optical Materials</i> , 2020 , 100, 109648	3.3	19
227	Role of B-site cation on the structure, magnetic and dielectric properties of nanosized La _{0.7} Sr _{0.3} Fe _{1-x} M _x O ₃ (M = Mn; Co and x = 0, 0.5) perovskites. <i>Materials Research Express</i> , 2020 , 7, 056104	1.7	5
226	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	3.2	15
225	The effect of heterovalent doping on the stability and properties of multiferroic Aurivillius phases. <i>Applied Physics A: Materials Science and Processing</i> , 2020 , 126, 1	2.6	2
224	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	2.5	7
223	Facile deposition of nanostructured Rhodamine-6G/FTO optical system thin films for optical limiting. <i>Materials Chemistry and Physics</i> , 2020 , 247, 122877	4.4	3

222	Modification of ZIF-8 with triethylamine molecules for enhanced iodine and bromine adsorption. <i>Inorganica Chimica Acta</i> , 2020 , 509, 119678	2.7	6
221	Noncrystalline films of gallium (III) phthalocyanine chloride evaporated on a flexible polymer substrate for flexible organic technology: optical spectroscopy and optical limiting. <i>Physica Scripta</i> , 2020 , 95, 115802	2.6	2
220	Efficient Synthesis and Anticancer Activities of Some Novel Functionalized (4-Oxo-4H-chromen-3-yl)-2-selenoxo-1,2-dihydropyrimidines. <i>Heterocycles</i> , 2020 , 100, 1831	0.8	1
219	Microwave synthesis of Zn:Mn:PbI ₂ micro-size nanosheets and their characterizations. <i>Materials Science-Poland</i> , 2020 , 38, 367-373	0.6	
218	Discussions on the film design and mechanical properties of Y ₃ +/PVA polymeric composite films: enhancement of the electrical conductivity and dielectric properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 10408-10421	2.1	5
217	Facile design of a CUT-OFF laser power attenuation using safranin O-doped PMMA polymeric composite films: Optical spectroscopy and dielectric properties. <i>Optik</i> , 2020 , 219, 164943	2.5	7
216	Preferences of the end members of the lanthanide series for A and B sites in BiFeO ₃ . <i>Ceramics International</i> , 2020 , 46, 6333-6341	5.1	6
215	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	3.9	53
214	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	2.3	7
213	New orthorhombic sodium iron(+2) titanate. <i>Ceramics International</i> , 2020 , 46, 4416-4422	5.1	4
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208	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	2.1	4
207	An impact of Cr-doping on physical properties of PbI ₂ thin films facilely deposited by spin coating technique. <i>Superlattices and Microstructures</i> , 2020 , 138, 106370	2.8	15
206	Functionalization of graphene quantum dots (GQDs) with chitosan biopolymer for biophysical applications. <i>Optical and Quantum Electronics</i> , 2020 , 52, 1	2.4	13
205	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	3.3	9

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200	Low cost preparation technique for conductive and transparent Sb doped SnO ₂ nanocrystalline thin films for solar cell applications. <i>Superlattices and Microstructures</i> , 2020 , 147, 106697	2.8	7
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198	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	3.7	6
197	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 ^{2.1}	2.1	3
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194	Optical analysis of methyl violet thin films/polymeric substrate for flexible organic technology. <i>Optical and Quantum Electronics</i> , 2020 , 52, 1	2.4	5
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190	Optical and electronic properties for As-60 at.% S uniform thickness of thin films: Influence of Se content. <i>Optical Materials</i> , 2020 , 109, 110257	3.3	18
189	Synthesis of Some Novel 2-{Pyrano[2,3-c]Pyrazoles-4-Ylidene}Malononitrile Fused with Pyrazole, Pyridine, Pyrimidine, Diazepine, Chromone, Pyrano[2,3-c]Pyrazole and Pyrano[2,3-d]Pyrimidine Systems as Anticancer Agents. <i>Polycyclic Aromatic Compounds</i> , 2020 , 1-15	1.3	6
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177	An effect of Gd^{3+} doping on core properties of ZnS thin films prepared by nebulizer spray pyrolysis (NSP) method. <i>Physica B: Condensed Matter</i> , 2019 , 574, 411674	2.8	15
176	The visible laser absorption property of chromium-doped polyvinyl alcohol films: synthesis, optical and dielectric properties. <i>Optical and Quantum Electronics</i> , 2019 , 51, 1	2.4	17
175	Design and microelectronic analysis of $\text{Au}/\text{ZnTe}:\text{I}/\text{CdTe}:\text{I}/\text{GaAs}/\text{In}$ photosensor for optoelectronic applications using MBE technology. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 4936-4942	2.1	1
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167	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	3.4	16
166	The effects of gamma irradiation on dielectric properties of Ag/Gd co-doped hydroxyapatites. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 10443-10453	2.1	1
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161	The effect of cobalt content in Zn/Co-ZIF-8 on iodine capping properties. <i>Inorganica Chimica Acta</i> , 2019 , 492, 18-22	2.7	16
160	Facile synthesis and optical characterization of graphene oxide-doped TiO ₂ /polyvinyl alcohol nanocomposites: optical limiting applications. <i>Materials Research Express</i> , 2019 , 6, 075054	1.7	6
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153	Synthesis and characterization of ZnO-reinforced with graphene nanolayer nanocomposites: electrical conductivity and optical band gap analysis. <i>Materials Research Express</i> , 2019 , 6, 095602	1.7	9
152	Facile microwave synthesis of silver nanoplates: optical plasmonic and antimicrobial activity. <i>Materials Research Express</i> , 2019 , 6, 095073	1.7	1
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143	Effect of Gd doping on structural, optical properties, photoluminescence and electrical characteristics of CdS nanoparticles for optoelectronics. <i>Ceramics International</i> , 2019 , 45, 10133-10141	5.1	43
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131	Kramers-Kronig calculations for linear and nonlinear optics of nanostructured methyl violet (CI-42535): New trend in laser power attenuation using dyes. <i>Physica B: Condensed Matter</i> , 2019 , 552, 62-70	2.8	19
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129	Chemical state analysis, optical band gap, and photocatalytic decolorization of cobalt-doped ZnO nanospherical thin films by DC/RF sputtering technique. <i>Optik</i> , 2018 , 164, 143-154	2.5	10
128	Visible photocatalytic performance of nanostructured molybdenum-doped Ag ₃ PO ₄ : Doping approach. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018 , 356, 587-594	4.7	13
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119	Synthesis and optical properties of basic fuchsin dye-doped PMMA polymeric films for laser applications: wide scale absorption band. <i>Optical and Quantum Electronics</i> , 2018 , 50, 1	2.4	24
118	Influence of Dy doping on key linear, nonlinear and optical limiting characteristics of SnO ₂ films for optoelectronic and laser applications. <i>Optics and Laser Technology</i> , 2018 , 108, 609-618	4.2	60
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109	Spectrophotometric investigations of optical linearity and nonlinearity of pentacene/ITO nanostructure thin film. <i>Optik</i> , 2018 , 174, 221-233	2.5	4
108	Synthesis and characterization of F-doped CdS thin films by spray pyrolysis for photovoltaic applications. <i>Materials Research Express</i> , 2018 , 5, 066416	1.7	33
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104	Mechanical and Thermal Properties of Lead Borate Glasses Containing CaO and NaF. <i>Silicon</i> , 2018 , 10, 1973-1978	2.4	11
103	Synthesis and characterization of wide-scale UV-vis CUT-OFF laser filter using methyl violet-6B/PMMA polymeric composite films. <i>Sensors and Actuators A: Physical</i> , 2018 , 269, 388-393	3.9	15
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91	Organic semiconductor photodiode based on indigo carmine/n-Si for optoelectronic applications. <i>Applied Physics A: Materials Science and Processing</i> , 2018 , 124, 1	2.6	27
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88	Synthesis and Characterization of Some Novel Phosphorylated 4-Oxo-2-phenylquinazolines. <i>Journal of Heterocyclic Chemistry</i> , 2018 , 55, 1955-1959	1.9	3
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79	Electrical, photovoltaic and photosensitivity characteristics of p-ZnTe:N/CdTe:Mg/ n -CdTe:I/GaAs for photodiode applications. <i>Materials Science in Semiconductor Processing</i> , 2017 , 67, 33-40	4.3	9

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75	Structural, linear and third order nonlinear optical properties of drop casting deposited high quality nanocrystalline phenol red thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 10573-10584	2.1	45
74	Synthesis, Raman spectroscopy and dielectric properties of Ag:Mn co-doped nanostructured Pbl 2 for solid state radiation detectors. <i>Journal of Molecular Structure</i> , 2017 , 1138, 215-221	3.4	8
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72	Preparation and characterization of PVA/Congo red polymeric composite films for a wide scale laser filters. <i>Optics and Laser Technology</i> , 2017 , 90, 197-200	4.2	39
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69	Study on structural, linear and nonlinear optical properties of spin coated N doped CdO thin films for optoelectronic applications. <i>Journal of Molecular Structure</i> , 2017 , 1150, 523-530	3.4	38
68	Facile microwave-assisted synthesis of tungsten-doped hydroxyapatite nanorods: A systematic structural, morphological, dielectric, radiation and microbial activity studies. <i>Ceramics International</i> , 2017 , 43, 14923-14931	5.1	79
67	Investigation on physical properties of L-alanine: An effect of Methylene blue dye. <i>Journal of Molecular Structure</i> , 2017 , 1131, 43-50	3.4	16
66	Lithium-doped hydroxyapatite nano-composites: Synthesis, characterization, gamma attenuation coefficient and dielectric properties. <i>Radiation Physics and Chemistry</i> , 2017 , 130, 85-91	2.5	56
65	Sn-doped ZnO nanocrystalline thin films with enhanced linear and nonlinear optical properties for optoelectronic applications. <i>Journal of Physics and Chemistry of Solids</i> , 2017 , 100, 115-125	3.9	105
64	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	8.3	49
63	The photocatalytic activity of graphene oxide/Ag ₃ PO ₄ nano-composite: Loading effect. <i>Optik</i> , 2016 , 127, 10746-10757	2.5	24
62	Linear and non-linear optics of nano-scale 2,7-dichloro-fluorescein/FTO optical system: Bandgap and dielectric analysis. <i>Optical Materials</i> , 2016 , 62, 527-533	3.3	15
61	Brilliant green dye added zinc(tris) thiourea sulphate monocrystal growth with enhanced crystalline perfection, optical, photoluminescence and mechanical properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 10673-10683	2.1	22

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57	Optical constants, photo-stability and photo-degradation of MB/PMMA thin films for UV sensors. <i>Optik</i> , 2016 , 127, 4959-4963	2.5	10
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55	A study on linear and non-linear optical constants of Rhodamine B thin film deposited on FTO glass. <i>Physica B: Condensed Matter</i> , 2016 , 490, 25-30	2.8	20
54	Spectrophotometric calculations of optical linearity and nonlinearity of nanostructured Pyronin Y/FTO optical system for optoelectronic applications. <i>Synthetic Metals</i> , 2016 , 222, 186-191	3.6	22
53	Thickness dependent optical dispersion and nonlinear optical properties of nanocrystalline fluorescein dye thin films for optoelectronic applications. <i>Optik</i> , 2016 , 127, 6601-6609	2.5	13
52	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	2.8	24
51	Facile hydrothermal-assisted synthesis of Gd 3+ doped Pbl 2 nanostructures and their characterization. <i>Materials Letters</i> , 2016 , 176, 135-138	3.3	63
50	Synthesis and characterization of DSSC by using Pt nano-counter electrode: photosensor applications. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	5
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47	Enhancement of nonlinear optical susceptibility of CuPc films by ITO layer. <i>Optical Materials</i> , 2016 , 62, 184-191	3.3	13
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45	Synthesis and characterization of ZnO tetrapods. <i>Applied Physics A: Materials Science and Processing</i> , 2015 , 119, 1397-1403	2.6	4
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33	Optical characterization of nano-pentacene thin films. <i>Superlattices and Microstructures</i> , 2013 , 64, 58-69	2.8	11
32	Impedance spectroscopy of p-ZnGa ₂ Te ₄ /n-Si nano-HJD. <i>Physica B: Condensed Matter</i> , 2013 , 415, 82-91	2.8	17
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13	Structural, absorption and optical dispersion characteristics of rhodamine B thin films prepared by drop casting technique. <i>Optics Communications</i> , 2010 , 283, 4310-4317	2	136
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10	Spectroscopic analysis and magnetic susceptibility of CuO/TeO ₂ /ZnO glasses. <i>Journal of Magnetism and Magnetic Materials</i> , 2009 , 321, 4039-4044	2.8	29
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5	Study on spray deposited Ni-doped CuO nanostructured thin films: microstructural and optical behavior. <i>Journal of Materials Science: Materials in Electronics</i> ,1	2.1	2
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