

Ibrahim S Yahia

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347
papers

5,017
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36
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52
g-index

377
ext. papers

6,342
ext. citations

2.9
avg, IF

6.72
L-index

#	Paper	IF	Citations
347	Synthesis, diffused reflectance and electrical properties of nanocrystalline Fe-doped ZnO via sol-gel calcination technique. <i>Optics and Laser Technology</i> , 2013 , 48, 447-452	4.2	145
346	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
345	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
344	Determination and analysis of dispersive optical constant of TiO ₂ and Ti ₂ O ₃ thin films. <i>Applied Surface Science</i> , 2006 , 252, 8163-8170	6.7	99
343	Rectification and barrier height inhomogeneous in Rhodamine B based organic Schottky diode. <i>Synthetic Metals</i> , 2011 , 161, 32-39	3.6	88
342	Tailoring the linear and nonlinear optical properties of NiO thin films through Cr ³⁺ doping. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 6446-6457	2.1	80
341	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
340	Structural, morphological, opto-nonlinear-limiting studies on Dy:PbI ₂ /FTO thin films derived facilely by spin coating technique for optoelectronic technology. <i>Journal of Physics and Chemistry of Solids</i> , 2019 , 130, 189-196	3.9	66
339	The electrical conductivity and dielectric properties of C.I. Basic Violet 10. <i>Dyes and Pigments</i> , 2010 , 87, 144-148	4.6	66
338	Facile hydrothermal-assisted synthesis of Gd ³⁺ doped PbI ₂ nanostructures and their characterization. <i>Materials Letters</i> , 2016 , 176, 135-138	3.3	63
337	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
336	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
335	Effects of stabilizer ratio on the optical constants and optical dispersion parameters of ZnO nano-fiber thin films. <i>Superlattices and Microstructures</i> , 2013 , 53, 63-75	2.8	55
334	A facile synthesis of Au-nanoparticles decorated PbI single crystalline nanosheets for optoelectronic device applications. <i>Scientific Reports</i> , 2018 , 8, 13806	4.9	55
333	Facile hydrothermal synthesis and characterization of cesium-doped PbI ₂ nanostructures for optoelectronic, radiation detection and photocatalytic applications. <i>Journal of Nanoparticle Research</i> , 2017 , 19, 1	2.3	53
332	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
331	Electrical and photovoltaic characteristics of Al/n-CdS Schottky diode. <i>International Journal of Hydrogen Energy</i> , 2009 , 34, 4906-4913	6.7	52

330	Spectroscopic, mechanical and magnetic characterization of some bismuth borate glasses containing gadolinium ions. <i>Solid State Sciences</i> , 2010 , 12, 1426-1434	3.4	52
329	Analysis of current-voltage characteristics of Al/p-ZnGa ₂ Se ₄ /n-Si nanocrystalline heterojunction diode. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 4414-4419	5.7	51
328	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
327	Facile nanorods synthesis of KI:HAp and their structure-morphology, vibrational and bioactivity analyses for biomedical applications. <i>Ceramics International</i> , 2019 , 45, 50-55	5.1	48
326	Microwave-assisted synthesis of Gd ³⁺ doped PbI ₂ hierarchical nanostructures for optoelectronic and radiation detection applications. <i>Physica B: Condensed Matter</i> , 2017 , 508, 41-46	2.8	47
325	Influence of temperature and illumination on the electrical properties of p-ZnTe/n-CdTe heterojunction grown by molecular beam epitaxy. <i>Journal Physics D: Applied Physics</i> , 2010 , 43, 215102	3	46
324	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, 10573-10581	2.1	45
323	Investigation on structural, linear, nonlinear and optical limiting properties of sol-gel derived nanocrystalline Mg doped ZnO thin films for optoelectronic applications. <i>Journal of Molecular Structure</i> , 2018 , 1173, 375-384	3.4	44
322	Optical properties of Al-CdO nano-clusters thin films. <i>Superlattices and Microstructures</i> , 2013 , 64, 178-184	4.8	43
321	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
320	Mechanical and radiation-shielding properties of B ₂ O ₃ -P ₂ O ₅ -Li ₂ O-MoO ₃ glasses. <i>Applied Physics A: Materials Science and Processing</i> , 2020 , 126, 1	2.6	42
319	Linear and Nonlinear Optics of CBD Grown Nanocrystalline F Doped CdS Thin Films for Optoelectronic Applications: An Effect of Thickness. <i>Journal of Electronic Materials</i> , 2018 , 47, 5386-5395	1.9	41
318	Chemically deposited Ni-doped CdS nanostructured thin films: Optical analysis and current-voltage characteristics. <i>Journal of Alloys and Compounds</i> , 2019 , 776, 1056-1062	5.7	41
317	Facile one pot synthesis of PbS nanosheets and their characterization. <i>Solid State Sciences</i> , 2017 , 70, 81-85	3.4	40
316	Facile synthesis of lead iodide nanostructures by microwave irradiation technique and their structural, morphological, photoluminescence and dielectric studies. <i>Journal of Molecular Structure</i> , 2016 , 1110, 83-90	3.4	40
315	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
314	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
313	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

312	A dual approach to study the electro-optical properties of a noncentrosymmetric L-asparagine monohydrate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 137, 432-41	4.4	36
311	Radiation, Crystallization, and Physical Properties of Cadmium Borate Glasses. <i>Silicon</i> , 2020 , 13, 2289	2.4	34
310	Temperature dependence of electronic parameters of organic Schottky diode based on fluorescein sodium salt. <i>Synthetic Metals</i> , 2011 , 161, 881-887	3.6	34
309	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
308	Photovoltaic characterization of n-CdTe/p-CdMnTe/GaAs diluted magnetic diode. <i>Current Applied Physics</i> , 2013 , 13, 537-543	2.6	32
307	p-ZnTe/n-CdMnTe/n-GaAs diluted magnetic diode for photovoltaic applications. <i>Semiconductor Science and Technology</i> , 2010 , 25, 095001	1.8	32
306	Designing of PVA/Rose Bengal long-pass optical window applications. <i>Results in Physics</i> , 2017 , 7, 1238-1244	3.7	31
305	Rare earth Sm ³⁺ co-doped AZO thin films for opto-electronic application prepared by spray pyrolysis. <i>Ceramics International</i> , 2018 , 44, 6730-6738	5.1	30
304	Physical, Radiation Shielding and Crystallization Properties of Na ₂ O-Bi ₂ O ₃ - MoO ₃ -B ₂ O ₃ -SiO ₂ -Fe ₂ O ₃ Glasses. <i>Silicon</i> , 2020 , 1	2.4	30
303	Spectroscopic ellipsometry investigations of the optical constants of nanocrystalline SnS thin films. <i>Physica Scripta</i> , 2012 , 86, 015702	2.6	29
302	Optical properties of CdS thin films. <i>Optical Materials</i> , 2013 , 35, 1112-1117	3.3	29
301	Spectroscopic analysis and magnetic susceptibility of CuO _x TeO _{2-x} 2O ₅ glasses. <i>Journal of Magnetism and Magnetic Materials</i> , 2009 , 321, 4039-4044	2.8	29
300	Structural and Mechanical Properties of Lithium Bismuth Borate Glasses Containing Molybdenum (LBBM) Together with their Glass \rightarrow Ceramics. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021 , 31, 1057-1065	3.2	29
299	Structural, morphological, optical and third order nonlinear optical response of spin-coated NiO thin films: An effect of N doping. <i>Solid State Sciences</i> , 2018 , 86, 98-106	3.4	29
298	Linear and nonlinear optical discussions of nanostructured Zn-doped CdO thin films. <i>Physica B: Condensed Matter</i> , 2017 , 511, 54-60	2.8	28
297	First principles study of the adsorption of hydrated heavy metals on graphene quantum dots. <i>Journal of Physics and Chemistry of Solids</i> , 2019 , 130, 32-40	3.9	27
296	Facile synthesis of graphene oxide/PVA nanocomposites for laser optical limiting: band gap analysis and dielectric constants. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 8555-8563	2.1	27
295	Microwave-synthesis of La ³⁺ doped PbI ₂ nanosheets (NSs) and their characterizations for optoelectronic applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 15838-15846	2.1	27

294	Extraction of the device parameters of Al/P3OT/ITO organic Schottky diode using J_V and C_V characteristics. <i>Synthetic Metals</i> , 2011 , 161, 1079-1087	3.6	27
293	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
292	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
291	Design of smart optical sensor using polyvinyl alcohol/Fluorescein sodium salt: Laser filters and optical limiting effect. <i>Journal of Molecular Structure</i> , 2018 , 1156, 492-500	3.4	26
290	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
289	Influence of TiO ₂ Incorporation on the Microstructure, Optical, and Dielectric Properties of TiO ₂ /Epoxy Composites. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018 , 28, 1114-1126	3.2	25
288	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
287	The photocatalytic activity of graphene oxide/Ag ₃ PO ₄ nano-composite: Loading effect. <i>Optik</i> , 2016 , 127, 10746-10757	2.5	24
286	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
285	Multifunction applications of TiO ₂ /poly(vinyl alcohol) nanocomposites for laser attenuation applications. <i>Physica B: Condensed Matter</i> , 2019 , 556, 48-60	2.8	24
284	Novel and facile microwave-assisted synthesis of Mo-doped hydroxyapatite nanorods: Characterization, gamma absorption coefficient, and bioactivity. <i>Materials Science and Engineering C</i> , 2017 , 78, 1093-1100	8.3	23
283	Synthesis, optical constants, optical dispersion parameters of CuO nanorods. <i>Optik</i> , 2016 , 127, 1429-1433	3.5	23
282	Optical properties of thermally evaporated Bi ₂ Se ₃ thin films treated with AgNO ₃ solution. <i>Surface and Coatings Technology</i> , 2011 , 205, 3553-3558	4.4	23
281	Structural, electrical and photovoltaic properties of PbSb ₂ S ₅ /n-Si heterojunction synthesized by vacuum coating technique. <i>Materials Research Express</i> , 2018 , 5, 076406	1.7	23
280	The optical characteristic of PVA composite films doped by ZrO ₂ for optoelectronic and block UV-Visible applications. <i>Materials Research Express</i> , 2019 , 6, 115346	1.7	22
279	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
278	Optical properties and the dispersion parameters of new zinc Phthalocyanine benzofuran derivative prepared by non-vacuum spin coating technique. <i>Optics Communications</i> , 2012 , 285, 3122-3127	2	22
277	Effect of the frequency and temperature on the complex impedance spectroscopy (C_V and G_V) of p-ZnGa ₂ Se ₄ /n-Si nanostructure heterojunction diode. <i>Journal of Materials Science</i> , 2012 , 47, 1719-1728	4.3	22

276	Preparation, structural and optical characterization of nanocrystalline CdS thin film. <i>Physica B: Condensed Matter</i> , 2014 , 447, 35-41	2.8	22
275	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
274	Pyronin Y as new organic semiconductors: Structure, optical spectroscopy and electrical/dielectric properties. <i>Synthetic Metals</i> , 2016 , 218, 19-26	3.6	22
273	Optical analysis of nanostructured rose bengal thin films using Kramers-Kronig approach: New trend in laser power attenuation. <i>Optics and Laser Technology</i> , 2019 , 112, 207-214	4.2	22
272	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
271	Methyl orange (C.I. acid orange 52) as a new organic semiconductor: Conduction mechanism and dielectrical relaxation. <i>Dyes and Pigments</i> , 2012 , 93, 1434-1440	4.6	21
270	Structure, optical spectroscopy and dispersion parameters of ZnGa ₂ Se ₄ thin films at different annealing temperatures. <i>Optics Communications</i> , 2012 , 285, 3154-3161	2	21
269	Unusual phot capacitance properties of a mono-crystalline silicon solar cell for optoelectronic applications. <i>Solar Energy Materials and Solar Cells</i> , 2011 , 95, 2598-2605	6.4	21
268	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	4.2	21
267	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
266	Facilely fabricated Dy:PbI ₂ /glass thin films and their structural, linear and nonlinear optical studies for opto-nonlinear applications. <i>Vacuum</i> , 2020 , 173, 109122	3.7	20
265	A comprehensive investigation on core optoelectronic and laser properties of ZTS single crystals: an effect of Mg ²⁺ doping. <i>Applied Physics B: Lasers and Optics</i> , 2018 , 124, 1	1.9	20
264	Nonlinear behavior of the current-voltage characteristics for erbium-doped PVA polymeric composite films. <i>Applied Physics A: Materials Science and Processing</i> , 2019 , 125, 1	2.6	19
263	Deposition of Rhodamine B dye on flexible substrates for flexible organic electronic and optoelectronic: Optical spectroscopy by Kramers-Kronig analysis. <i>Optical Materials</i> , 2019 , 95, 109219	3.3	19
262	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
261	Preparation of polypyrrole-decorated MnO ₂ /reduced graphene oxide in the presence of multi-walled carbon nanotubes composite for high performance asymmetric supercapacitors. <i>Physica B: Condensed Matter</i> , 2019 , 556, 66-74	2.8	19
260	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
259	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

258	Linear, third order nonlinear and optical limiting studies on MZO/FTO thin film system fabricated by spin coating technique for electro-optic applications. <i>Journal of Materials Research</i> , 2018 , 33, 3880-3889	2.5	19
257	Structural, vibrational, optical, photoluminescence, thermal, dielectric, and mechanical studies on zinc (tris) thiourea sulfate single crystal: A noticeable effect of organic dye. <i>Chinese Physics B</i> , 2018 , 27, 054216	1.2	18
256	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
255	Analysis of the linear/nonlinear optical properties of basic fuchsin dye/FTO films: Controlling the laser power of red/green lasers. <i>Optik</i> , 2019 , 179, 145-153	2.5	18
254	Selective CUT-OFF laser filters using brilliant green-doped PMMA polymeric composite films: sensing approach. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 19798-19804	2.1	18
253	Optical spectroscopy and electrical analysis of La ³⁺ -doped PVA composite films for varistor and optoelectronic applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 20424-20432	2.1	18
252	Fabrication and characterization of anthracene thin films for wide-scale organic optoelectronic applications based on linear/nonlinear analyzed optical dispersion parameters. <i>Optical Materials</i> , 2017 , 70, 1-10	3.3	17
251	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
250	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	3.4	17
249	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
248	Bulk monocrystal growth, optical, dielectric, third order nonlinear, thermal and mechanical studies on HCl added l-alanine: An organic NLO material. <i>Materials Chemistry and Physics</i> , 2016 , 184, 12-22	4.4	17
247	Facile synthesis of La-doped CdS nanoparticles by microwave assisted co-precipitation technique for optoelectronic application. <i>Materials Research Express</i> , 2019 , 6, 025022	1.7	17
246	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
245	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
244	Diffused reflectance and structure analysis for the nano-matrix (ZnO(1-x)SiO ₂ (x)) system. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 127, 521-9	4.4	16
243	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
242	Optical constants and nonlinear calculations of fluorescein/FTO thin film optical system. <i>Physica B: Condensed Matter</i> , 2016 , 500, 98-105	2.8	16
241	Portable and Battery Operated Ammonia Gas Sensor Based on CNTs/rGO/ZnO Nanocomposite. <i>Journal of Electronic Materials</i> , 2019 , 48, 7328-7335	1.9	15

240	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
239	A facile one-step flash combustion synthesis and characterization on C doped NiO nanostructures. <i>Materials Science in Semiconductor Processing</i> , 2019 , 100, 106-112	4.3	15
238	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
237	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
236	An impact of Cr-doping on physical properties of PbI ₂ thin films facily deposited by spin coating technique. <i>Superlattices and Microstructures</i> , 2020 , 138, 106370	2.8	15
235	Flexible photocatalytic membrane based on CdS/PMMA polymeric nanocomposite films: multifunctional materials. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 45225-45237	5.1	15
234	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
233	Synthesis and characterization of wide-scale UV _A is 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
232	A Convenient Synthetic Route of Diethyl (4-Oxo-chromeno[2,3-d]pyrimidin-2(5)-yl)phosphonates. <i>Journal of Heterocyclic Chemistry</i> , 2019 , 56, 1684-1686	1.9	14
231	Linear and nonlinear optical properties of nano-spherical Perylenetetra-carboxylic dianhydride/ITO as a new optical system. <i>Optics and Laser Technology</i> , 2018 , 108, 241-246	4.2	14
230	Effects of methyl violet dye on the growth and properties of zinc (tris) thiourea sulfate single crystals. <i>Journal of Physics and Chemistry of Solids</i> , 2018 , 123, 336-343	3.9	14
229	Optical constants and magnetic susceptibility of xLa ₂ O ₃ (1-x)PbO(1-x) B ₂ O ₃ glasses. <i>Journal of Non-Crystalline Solids</i> , 2013 , 375, 69-73	3.9	14
228	Facile synthesis, structure analysis and optical performance of manganese oxide-doped PVA nanocomposite for optoelectronic and optical cut-off laser devices. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 8072-8085	2.1	14
227	A convenient route to novel fluorinated 1,2,4,3-triazaphospholo[1,5-a]pyridines and pyrido[1,2-b][1,2,4,5]triazaphosphinines. <i>Arkivoc</i> , 2018 , 2018, 240-253	0.9	14
226	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
225	Functionalization of graphene quantum dots (GQDs) with chitosan biopolymer for biophysical applications. <i>Optical and Quantum Electronics</i> , 2020 , 52, 1	2.4	13
224	Thermally evaporated of homogeneous nanostructured gallium-phthalocyanine-chloride films: Optical spectroscopy. <i>Optical Materials</i> , 2020 , 109, 110407	3.3	13
223	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

222	Enhancement of nonlinear optical susceptibility of CuPc films by ITO layer. <i>Optical Materials</i> , 2016 , 62, 184-191	3.3	13
221	Hydrothermal Synthesis of CNTs/Co3O4@rGO Mesoporous Nanocomposite as a Room Temperature Gas Sensor for VOCs. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019 , 29, 416-422	3.2	13
220	MW synthesis of ZIF-65 with a hierarchical porous structure. <i>Microporous and Mesoporous Materials</i> , 2020 , 293, 109685	5.3	13
219	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
218	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
217	Linear and nonlinear optics of pyronin Y/flexible polymer substrate for flexible organic technology: New optical approach. <i>Optics and Laser Technology</i> , 2017 , 95, 124-132	4.2	12
216	Fast and easy synthesis of novel Strontium apatite nanostructured phase: Structure, spectroscopy, and dielectric analysis. <i>Ceramics International</i> , 2017 , 43, 17153-17159	5.1	12
215	Fabrication and electrical characterization of the InSbS3/n-Si heterojunction. <i>Journal of Alloys and Compounds</i> , 2019 , 788, 206-211	5.7	12
214	Novel and highly stable indigo (C.I. Vat Blue I) organic semiconductor dye: Crystal structure, optically diffused reflectance and the electrical conductivity/dielectric behaviors. <i>Dyes and Pigments</i> , 2017 , 146, 66-72	4.6	11
213	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
212	Structural and optical properties of CuSe 2 nanocrystals formed in thin solid CuBe film. <i>Infrared Physics and Technology</i> , 2016 , 76, 276-284	2.7	11
211	Photovoltaic response of dye-sensitized solar cell using 2',7'-dichlorofluorescein as an organic dye. <i>Materials Science in Semiconductor Processing</i> , 2014 , 28, 77-83	4.3	11
210	Optical characterization of nano-pentacene thin films. <i>Superlattices and Microstructures</i> , 2013 , 64, 58-69	2.8	11
209	Fabrication progress of selective and durable Ni ²⁺ -doped Ag ₃ PO ₄ for visible-light degradation of various textile dyes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019 , 368, 210-218	4.7	11
208	Deposition of nanostructured methyl violet-10B films/FTO: Optical limiting and optical linearity/nonlinearity. <i>Materials Chemistry and Physics</i> , 2020 , 240, 122074	4.4	11
207	Mechanical and Thermal Properties of Lead Borate Glasses Containing CaO and NaF. <i>Silicon</i> , 2018 , 10, 1973-1978	2.4	11
206	Optical analysis, optical limiting and electrical properties of novel PbI ₂ /PVA polymeric nanocomposite films for electronic optoelectronic applications. <i>Materials Research Express</i> , 2019 , 6, 115339	1.7	10
205	The structure analysis and optical performance of PVA films doped with Fe ³⁺ -metal for UV- limiter, and optoelectronics. <i>Materials Research Express</i> , 2019 , 6, 085334	1.7	10

204	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
203	Facile and rapid synthesis of nanoplates Mg(OH) ₂ and MgO via Microwave technique from metal source: structural, optical and dielectric properties. <i>Journal of Sol-Gel Science and Technology</i> , 2018 , 86, 104-111	2.3	10
202	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
201	Negative capacitance of ZnGa ₂ Se ₄ /Si nano-heterojunction diode. <i>Applied Physics A: Materials Science and Processing</i> , 2013 , 112, 275-282	2.6	10
200	Photovoltaic and capacitance measurements of solar cells comprise of Al-doped CdS (QD) and hierarchical flower-like TiO ₂ nanostructured electrode. <i>Results in Physics</i> , 2020 , 16, 102827	3.7	10
199	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
198	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
197	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
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192	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
191	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
190	Synthesis and anticancer activity of some novel diethyl {(chromonyl/pyrazolyl) [(4-oxo-2-phenyl-quinazolin-3(4H)-yl)amino]methyl}phosphonates. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2018 , 193, 668-674	1	9
189	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. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 16446-16453	2.1	9
188	Surface optical phonon Plasmon interaction in nanodimensional CdTe thin films. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2018 , 104, 64-70	3	9
187	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

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185	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
184	Anomalous behaviour of the electrical properties for PVA/TiO ₂ nanocomposite polymeric films. <i>Polymer Bulletin</i> , 2020 , 77, 6255-6269	2.4	9
183	Impedance spectroscopy of monocrystalline silicon solar cells for photosensor applications: Highly sensitive device. <i>Physica B: Condensed Matter</i> , 2020 , 596, 412375	2.8	9
182	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	5.9	9
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178	Facile and low-cost synthesis of PEDOT:PSS/FTO polymeric counter electrode for DSSC photosensor with negative capacitance phenomenon. <i>Materials Research Express</i> , 2019 , 6, 065004	1.7	8
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176	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
175	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	4.6	8
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170	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
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165	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
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138	Nebulizer spray assisted chemical vapour deposited (NACVD) tin disulfide (SnS ₂) thin films for solar cell window layer applications. <i>Materials Research Express</i> , 2019 , 6, 096422	1.7	5
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135	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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131	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
130	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
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124	Magnetic Properties of Some Tellurite Glasses. <i>Journal of Superconductivity and Novel Magnetism</i> , 2018 , 31, 3079-3084	1.5	4
123	Spectrophotometric investigations of optical linearity and nonlinearity of pentacene/ITO nanostructure thin film. <i>Optik</i> , 2018 , 174, 221-233	2.5	4
122	Facile synthesis and characterization of Co ₃ O ₄ nanoplates coated with small nanorods. <i>Materials Research Express</i> , 2019 , 6, 105042	1.7	4
121	The Chemical Behavior of (2E)-3-(4,9-Dimethoxy-5-Oxo-5H-Furo[3,2-g] Chromen-6-yl)Acrylonitrile Towards Some Carbon Nucleophiles. <i>Polycyclic Aromatic Compounds</i> , 2019 , 1-12	1.3	4
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118	New orthorhombic sodium iron(+2) titanate. <i>Ceramics International</i> , 2020 , 46, 4416-4422	5.1	4
117	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
116	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
115	Geometrical, vibrational and physical properties of polyvinyl chloride nanocomposites: Molecular modeling approach. <i>Journal of Theoretical and Computational Chemistry</i> , 2019 , 18, 1950037	1.8	4

114	Unusual behavior of 3-(dimethylamino)-1-(2-hydroxyphenyl)prop-2-en-1-one towards some phosphorus reagents: Synthesis of novel diethyl 2-phosphonochromone, diethyl 3-phosphonopyrone and 1,3,2-oxathiaphosphinines. <i>Synthetic Communications</i> , 2019 , 49, 550-557	1.7	4
113	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
112	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
111	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
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100	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	3
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95	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
94	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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