

# A M Abdelghany

## List of Publications by Year in descending order

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179  
papers

6,121  
citations

38742

50  
h-index

102487

66  
g-index

182  
all docs

182  
docs citations

182  
times ranked

3270  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of surfactants addition on physical, structure and antimicrobial activity of (Na-CMC/NaAl <sub>3</sub> ) biofilms. <i>Polymer Bulletin</i> , 2023, 80, 2883-2909.	3.3	2
2	Synthesis, characterization and electrochemical behavior for API 5L X70 carbon steel in 5% sulfamic acid medium using PVVH/PEMA blend filled with gold nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 635, 128115.	4.7	21
3	Structural and Antibacterial Peculiarities of Modified Borate Bioglass Containing Mixed Dopant Oxides. <i>Journal of Bio- and Tribo-Corrosion</i> , 2022, 8, 1.	2.6	6
4	Selenium nanoparticles and quercetin suppress thioacetamide-induced hepatocellular carcinoma in rats: Attenuation of inflammation involvement. <i>Journal of Biochemical and Molecular Toxicology</i> , 2022, 36, e22989.	3.0	17
5	Enhanced Electrical Conductivity and Dielectric Performance of Ternary Nanocomposite Film of PEMA/PS/Silver NPs Synthesized by Laser Ablation. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 2269-2278.	3.7	11
6	Effect of zinc oxide nanoparticles on physical properties of carboxymethyl cellulose/ poly (ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.7	22
7	Structural, optical, and dielectric characteristics of copper oxide nanoparticles loaded CMC/PEO matrix. <i>Journal of Materials Science</i> , 2022, 57, 7556-7569.	3.7	22
8	Inspection of Radiation Shielding Proficiency and Effect of Gamma-Ray on ESR and Thermal Characteristics of Copper Oxide Modified Borate Bioglasses. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 3204-3219.	3.7	10
9	Structure-properties correlation based on tellurite glasses modified by silver oxide and lead iodide. <i>Bulletin of Materials Science</i> , 2022, 45, .	1.7	2
10	Structural, Optical, Mechanical and Antibacterial Properties of MgO/Poly(Vinyl Acetate)/Poly(Vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.4	10
11	Effect of BO <sub>4</sub> and FeO <sub>4</sub> Structural Units on Conduction Mechanism of Iron Borosilicate Glasses. <i>Silicon</i> , 2021, 13, 4025-4031.	3.3	7
12	Structure-dynamic properties relationships in poly(ethylene oxide)/silicon dioxide nanocomposites: dielectric relaxation study. <i>Polymer Bulletin</i> , 2021, 78, 5205-5223.	3.3	21
13	Photochromic behavior of tungsten ions in sodium metaphosphate glass and effect of oxidizing condition assessed by spectroscopic analysis. <i>Journal of Non-Crystalline Solids</i> , 2021, 552, 120460.	3.1	13
14	Transparent Alumino Lithium Borate Glass-Ceramics: Synthesis, Structure and Gamma-Ray Shielding Attitude. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 2560-2568.	3.7	55
15	Structural, optical, and electrical reinforcement of gamma-irradiated PEO/SA/Au NPs nanocomposite. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 6538-6549.	2.2	37
16	The effect of radiation on the structure and ligand field of borate glasses containing Cr ions. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	3.3	3
17	Synthesis and thermal stability, electrical conductivity and dielectric spectroscopic studies of poly (ethylene-co-vinyl alcohol)/graphene oxide nanocomposite. <i>Physica B: Condensed Matter</i> , 2021, 608, 412730.	2.7	26
18	Design a tunable glasses optical filters using CuO doped fluoroborate glasses. <i>Optics and Laser Technology</i> , 2021, 137, 106829.	4.6	19

#	ARTICLE	IF	CITATIONS
19	Structural studies and physical properties of Gd <sub>2</sub> O <sub>3</sub> -doped borate glass. Journal of Materials Science: Materials in Electronics, 2021, 32, 14642-14653.	2.2	14
20	Structural and optical properties of PEO/CMC polymer blend modified with gold nanoparticles synthesized by laser ablation in water. Journal of Materials Research and Technology, 2021, 12, 1597-1605.	5.8	25
21	On Y <sub>2</sub> O <sub>3</sub> ·Li <sub>2</sub> O·Al <sub>2</sub> O <sub>3</sub> ·B <sub>2</sub> O <sub>3</sub> glasses: synthesis, structure, physical, optical characteristics and gamma-ray shielding behavior. Journal of Materials Science: Materials in Electronics, 2021, 32, 16242-16254.	2.2	16
22	Structural role of chromium sulfate in modified borate glasses and glass ceramics. Materialia, 2021, 16, 101095.	2.7	11
23	Biosynthesized Selenium nanoparticles as a new catalyst in the synthesis of quinazoline derivatives in pentacyclic system with docking validation as (TRPV1) inhibitor. Journal of Organometallic Chemistry, 2021, 944, 121847.	1.8	9
24	Spectroscopic Studies and the Effect of Radiation of Alkali Borate Glasses Containing Chromium Ions. Journal of Non-Crystalline Solids, 2021, 565, 120743.	3.1	5
25	Novel Er <sup>3+</sup> doped heavy metals-oxyfluorophosphate glass as a blue emitter. Optical and Quantum Electronics, 2021, 53, 1.	3.3	15
26	Polydatin gold nanoparticles potentiate antitumor effect of doxorubicin in Ehrlich ascites carcinoma-bearing mice. Journal of Biochemical and Molecular Toxicology, 2021, 35, e22869.	3.0	6
27	Investigation of mechanical, photon buildup factors, and neutron-sensing properties of B <sub>2</sub> O <sub>3</sub> ·Al <sub>2</sub> O <sub>3</sub> ·Li <sub>2</sub> O·CuO glasses. Journal of Materials Science: Materials in Electronics, 2021, 32, 24401-24414.	2.2	9
28	Study the structure of selenium modified polyethylene oxide/polyvinyl alcohol (PEO/PVA) polymer blend. Journal of Materials Research and Technology, 2021, 14, 2962-2969.	5.8	32
29	AC conductivity and dielectric properties of Cr <sub>2</sub> O <sub>3</sub> doped SrO·P <sub>2</sub> O <sub>5</sub> glasses. Physica B: Condensed Matter, 2021, 618, 413184.	2.7	14
30	Synthesis and characterization of CuO/ZnO/Al <sub>2</sub> O <sub>3</sub> particles and its utilization as a catalyst for acrylamide derivatives. Journal of Molecular Structure, 2021, 1241, 130664.	3.6	1
31	Mixed modifier effect in lithium manganese metaphosphate glasses on the emission of highly dispersed Mn <sup>2+</sup> centers for red-LED. Ceramics International, 2021, 47, 32424-32432.	4.8	18
32	Comparative shielding behavior of binary PbO-B <sub>2</sub> O <sub>3</sub> and Bi <sub>2</sub> O <sub>3</sub> -B <sub>2</sub> O <sub>3</sub> glasses with high heavy metal oxide contents towards gamma irradiation revealed by collective optical, FTIR and ESR measurements. Journal of Non-Crystalline Solids, 2021, 572, 121090.	3.1	24
33	Cadmium invert sodium phosphate glasses: A structural peculiarities. Journal of Taibah University for Science, 2021, 15, 1123-1129.	2.5	3
34	Nd:YAG Nanosecond Laser Pulses for Precipitation Silver Nanoparticles in Silicate Glasses: AC Conductivity and Dielectric Studies. Silicon, 2020, 12, 13-20.	3.3	56
35	Preconcentration of Lead in Blood and Urine Samples Among Bladder Cancer Patients Using Mesoporous Strontium Titanate Nanoparticles. Biological Trace Element Research, 2020, 193, 100-110.	3.5	17
36	Precipitation of Silver Nanoparticles in Borate Glasses by 1064 nm Nd:YAG Nanosecond Laser Pulses: Characterization and Dielectric Studies. Journal of Electronic Materials, 2020, 49, 826-832.	2.2	55

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37	Vanadium structural role in binary fluoride borate glasses and effects of gamma irradiation. <i>Radiation Physics and Chemistry</i> , 2020, 170, 108659.	2.8	22
38	The influence of Ba <sup>2+</sup> and Sr <sup>2+</sup> ions with the Dy <sup>3+</sup> ions on the optical properties of lead borate glasses: experimental and Judd–Ofelt comparative study. <i>Journal of Materials Research and Technology</i> , 2020, 9, 59-66.	5.8	19
39	The effects of prolonged UV irradiation on the physicochemical characteristics of chitosan lamellar films modified with nanoparticulate silver vanadate nanorods. <i>Polymer Bulletin</i> , 2020, 77, 5489-5503.	3.3	2
40	Effect of cesium bromide on the structural, optical, thermal and electrical properties of polyvinyl alcohol and polyethylene oxide. <i>Journal of Materials Research and Technology</i> , 2020, 9, 1530-1538.	5.8	40
41	Enhancement of optical and electrical properties of PVC/PMMA blend films doped with Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> nanoparticles. <i>Journal of Materials Research and Technology</i> , 2020, 9, 789-797.	5.8	71
42	Pulsed laser ablated zeolite nanoparticles: A novel nano-catalyst for the synthesis of 1,8-dioxo-octahydroxanthene and <i>N</i> -aryla-1,8-dioxodecahydroacridine with molecular docking validation. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5250.	3.5	35
43	Structural and optical absorption studies on Cr <sub>2</sub> O <sub>3</sub> doped SrO-P <sub>2</sub> O <sub>5</sub> glasses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 228, 117840.	3.9	23
44	Dosimetric behavior of modified borate bioglass containing copper for low photon dose measurements using luminescence characteristics. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 20452-20459.	2.2	10
45	Optical and dielectric characteristics of polyethylene oxide/sodium alginate-modified gold nanocomposites. <i>RSC Advances</i> , 2020, 10, 37621-37630.	3.6	104
46	Preparation, physical, structural, optical characteristics, and gamma-ray shielding features of CeO <sub>2</sub> containing bismuth barium borate glasses. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 20060-20071.	2.2	13
47	Conductivity and morphological studies on iron borosilicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2020, 545, 120233.	3.1	8
48	Structure dielectric correlation of PEO/PVP incorporated with biosynthesized gold nanoparticles. <i>Journal of Polymer Research</i> , 2020, 27, 1.	2.4	5
49	Structural, Optical, Thermal, Morphological and Electrical Studies of PEMA/PMMA Blend Filled with CoCl <sub>2</sub> and LiBr As Mixed Filler. <i>Journal of Electronic Materials</i> , 2020, 49, 6107-6122.	2.2	17
50	Influence of SiO <sub>2</sub> nanoparticles on morphology, optical, and conductivity properties of Poly (ethylene oxide). <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 10422-10436.	2.2	25
51	Precipitation of silver nanoparticle within silicate glassy matrix via Nd:YAG laser for biomedical applications. <i>Radiation Physics and Chemistry</i> , 2020, 174, 108958.	2.8	50
52	Formation of Li <sub>3</sub> B <sub>7</sub> O <sub>12</sub> and O <sub>2</sub> BF <sub>4</sub> phases from glass system of 0.5LiF-0.5B <sub>2</sub> O <sub>3</sub> containing P <sub>2</sub> O <sub>5</sub> and their structural properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 10315-10322.	2.2	8
53	Bone bonding augmentation and synergetic attitude of gamma-irradiated modified borate bioglass. <i>Radiation Physics and Chemistry</i> , 2020, 176, 109018.	2.8	9
54	Effect of addition of a mixed filler of CoCl <sub>2</sub> and LiBr into PEMA and its morphological, thermal and electrical properties. <i>Bulletin of Materials Science</i> , 2020, 43, 1.	1.7	10

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55	Does Modification of Amalgomer with Propolis Alter Its Physicomechanical Properties? An In Vitro Study. <i>International Journal of Biomaterials</i> , 2020, 2020, 1-10.	2.4	5
56	Gamma irradiated Hench's Bioglass and their derivatives Hench's Bioglass-ceramic for bone bonding efficiency. <i>Radiation Physics and Chemistry</i> , 2020, 174, 108932.	2.8	18
57	In vitro bioactivity of silicophosphate glasses doped with ZnO, SrO or CuO. <i>Journal of Theoretical and Applied Physics</i> , 2020, 14, 159-169.	1.4	6
58	Blend biopolymeric nanofibrous scaffolds of cellulose acetate/ $\beta$ -polycaprolactone containing metallic nanoparticles prepared by laser ablation for wound disinfection applications. <i>International Journal of Biological Macromolecules</i> , 2020, 155, 636-644.	7.5	92
59	Optical parameters, antibacterial characteristics and structure correlation of copper ions in cadmium borate glasses. <i>Journal of Materials Research and Technology</i> , 2020, 9, 10491-10497.	5.8	35
60	Optical properties of bismuth borotellurite glasses doped with NdCl <sub>3</sub> . <i>Journal of Molecular Structure</i> , 2019, 1175, 504-511.	3.6	62
61	Characterization and some physical studies of PVA/PVP filled with MWCNTs. <i>Journal of Materials Research and Technology</i> , 2019, 8, 904-913.	5.8	186
62	Nanosecond Laser Irradiation as New Route for Silver Nanoparticles Precipitation in Glassy Matrix. <i>Silicon</i> , 2019, 11, 377-381.	3.3	55
63	Synthesis, characterization and antimicrobial activity of Chitosan/Polyvinyl Alcohol blend doped with Hibiscus Sabdariffa L. extract. <i>Journal of Molecular Structure</i> , 2019, 1197, 603-609.	3.6	135
64	Synthesis and structural-biological correlation of PVC/PVAc polymer blends. <i>Journal of Materials Research and Technology</i> , 2019, 8, 3908-3916.	5.8	47
65	AC conductivity and dielectric characteristics of PVA/PVP nanocomposite filled with MWCNTs. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 15521-15533.	2.2	66
66	Performance Enhancement of Chitosan Filled Silver Vanadate Nano-rods. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019, 29, 901-907.	3.7	11
67	A.C conductivity and dielectric properties of CoO doped SrO-P <sub>2</sub> O <sub>5</sub> glasses. <i>Physica B: Condensed Matter</i> , 2019, 573, 22-27.	2.7	22
68	Nonlinear dust acoustic waves in a self-gravitating and opposite-polarity complex plasma medium. <i>European Physical Journal Plus</i> , 2019, 134, 1.	2.6	17
69	Prospect of Bioactive Glass Ceramic Adsorption for Copper Ions Removal from Water. <i>Silicon</i> , 2019, 11, 1835-1843.	3.3	2
70	Gravitoelectrostatic excitations in an opposite polarity complex plasma. <i>Physics of Plasmas</i> , 2019, 26, 063701.	1.9	15
71	Effect of gamma-irradiation on the structural, optical and electrical properties of PEO/starch blend containing different concentrations of gold nanoparticles. <i>Radiation Effects and Defects in Solids</i> , 2019, 174, 579-595.	1.2	28
72	Green synthesis of gold nanoparticles and its effect on the optical, thermal and electrical properties of carboxymethyl cellulose. <i>Composites Part B: Engineering</i> , 2019, 172, 436-446.	12.0	65

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73	V <sub>2</sub> O <sub>5</sub> based quadruple nano- $\epsilon$ perovskite as a new catalyst for the synthesis of bis and tetrakis heterocyclic compounds. Applied Organometallic Chemistry, 2019, 33, e4783.	3.5	11
74	Precipitation of silver nanoparticles in silicate glasses via Nd:YAG nanosecond laser and its characterization. Journal of Non-Crystalline Solids, 2019, 513, 49-54.	3.1	61
75	Influence of green synthesized gold nanoparticles on the structural, optical, electrical and dielectric properties of (PVP/SA) blend. Physica B: Condensed Matter, 2019, 560, 162-173.	2.7	93
76	Structural, thermal and electrical studies of polyethylene oxide/starch blend containing green synthesized gold nanoparticles. Journal of Molecular Structure, 2019, 1180, 15-25.	3.6	62
77	Structural investigation and enhancement of optical, electrical and thermal properties of poly (vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 42 Materials Research and Technology, 2019, 8, 1111-1120.	5.8	35
78	In Vitro Bioactivity Behavior of Some Borophosphate Glasses Containing Dopant of ZnO, CuO or SrO Together with their Glass-Ceramic Derivatives and their Antimicrobial Activity. Silicon, 2019, 11, 197-208.	3.3	20
79	Dust acoustic cnoidal waves in a polytropic complex plasma. Physics of Plasmas, 2018, 25, .	1.9	9
80	Compatibility and bone bonding efficiency of gamma irradiated Hench's Bioglass-Ceramics. Ceramics International, 2018, 44, 7034-7041.	4.8	17
81	Structural, Optical, Morphological and Electrical Properties of CoCl <sub>2</sub> -filled Poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 42	3.3	5
82	Compatibility and Bone Bonding Efficiency of Gamma Irradiated Hench's Bioglass. Silicon, 2018, 10, 1533-1541.	3.3	13
83	Photodegradation of methylene blue with PVA/PVP blend under UV light irradiation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 199, 220-227.	3.9	33
84	V <sub>2</sub> O <sub>5</sub> /SiO <sub>2</sub> as a Heterogeneous Catalyst in the Synthesis of bis(indolyl)methanes Under Solvent Free Condition. Silicon, 2018, 10, 703-708.	3.3	11
85	Gamma rays Interactions with Bismuth Phosphate Glasses Doped with 3d Transition Metal Oxides. Silicon, 2018, 10, 891-899.	3.3	13
86	Role of Silica Nanoparticles on Structural, Optical and Morphological Properties of Poly(Vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222	3.3	23
87	Structural Investigation of PVC/PS Polymer Blend Doped with Nanosilica from a Renewable Source. Silicon, 2018, 10, 1013-1019.	3.3	13
88	Manifestation and Role of B <sub>2</sub> O <sub>3</sub> in High Lead Containing Silicate Glasses. Silicon, 2018, 10, 1103-1110.	3.3	6
89	Structural, optical, morphological and thermal properties of PEO/PVP blend containing different concentrations of biosynthesized Au nanoparticles. Journal of Materials Research and Technology, 2018, 7, 419-431.	5.8	185
90	Reducing Power of Phosphate Matrix in Binary Barium Phosphate Glasses Doped with 3d Transition Metals and Effects of Gamma Radiation. Silicon, 2018, 10, 1181-1186.	3.3	4

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91	Characterization of Invert Soda Lime Silica Glasses Containing High Titania Content Together with their Glass Ceramics. <i>Silicon</i> , 2018, 10, 1035-1043.	3.3	11
92	Gamma Irradiation Effect on Structural and Spectral Properties of CeO <sub>2</sub> , Nd <sub>2</sub> O <sub>3</sub> , Gd <sub>2</sub> O <sub>3</sub> or Dy <sub>2</sub> O <sub>3</sub> " Doped Strontium Borate Glass. <i>Silicon</i> , 2018, 10, 29-37.	3.3	13
93	Gamma ray interactions with samarium doped strontium phosphate glasses. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 20907-20913.	2.2	4
94	Mixed alkali effect and samarium ions effectiveness on the structural, optical and non-linear optical properties of borate glass. <i>Journal of Non-Crystalline Solids</i> , 2018, 495, 67-74.	3.1	64
95	Role of CdSe quantum dots in the structure and antibacterial activity of chitosan/poly É-caprolactone thin films. <i>Egyptian Journal of Basic and Applied Sciences</i> , 2018, 5, 138-144.	0.6	14
96	Developing Viscosity Modelling for Traditional Liquids in Egypt. <i>Folia Phoniatica Et Logopaedica</i> , 2018, 70, 37-43.	1.1	1
97	Evaluation of the Optical and Structural Properties of Constructed Bis-indole Derivatives Using (Sm <sub>2</sub> O <sub>3</sub> /SiO <sub>2</sub> ) Catalyst. <i>Silicon</i> , 2018, 10, 2173-2179.	3.3	1
98	Enhancement of dielectric properties and AC electrical conductivity of nanocomposite using poly (vinyl chloride-co-vinylÁacetate-co-2-hydroxypropyl acrylate) filled with graphene oxide. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 15931-15945.	2.2	38
99	Optical and FTIR structural studies on CoO-doped strontium phosphate glasses. <i>Journal of Non-Crystalline Solids</i> , 2018, 499, 153-158.	3.1	44
100	<i>Lepidium sativum</i> natural seed plant extract in the structural and physical characteristics of polyvinyl alcohol. <i>International Journal of Environmental Studies</i> , 2018, 75, 965-977.	1.6	15
101	Gamma rays Interactions with Bismuth Phosphate Glasses Doped with 3d Transition Metal Oxides. , 2018, 10, 891.		1
102	Enrichment of Poly Vinyl Chloride (PVC) Biological uses Through Sodium Chloride Filler, Density Functional Theory (DFT) Supported Experimental Study. <i>Journal of Advances in Physics</i> , 2018, 14, 5682-5692.	0.2	6
103	Effect of Gamma-irradiation on biosynthesized gold nanoparticles using <i>Chenopodium murale</i> leaf extract. <i>Journal of Saudi Chemical Society</i> , 2017, 21, 528-537.	5.2	60
104	Thermal, Structural, and Morphological Investigations of Modified Bismuth Silicate Glass-Ceramics. <i>Silicon</i> , 2017, 9, 239-248.	3.3	17
105	AC Conductivity and Dielectric Behavior of Silicophosphate Glass Doped by Nd <sub>2</sub> O <sub>3</sub> . <i>Silicon</i> , 2017, 9, 347-354.	3.3	8
106	Judd"Ofelt analysis of spectroscopic properties of Sm <sup>3+</sup> doped P <sub>2</sub> O <sub>5</sub> "SrO glasses. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 12132-12138.	2.2	24
107	Gamma ray interaction with vanadyl ions in barium metaphosphate glasses; spectroscopic and ESR studies. <i>Journal of Molecular Structure</i> , 2017, 1147, 33-39.	3.6	14
108	Optical character inquest of cobalt containing fluoroborate glass. <i>Optik</i> , 2017, 142, 125-133.	2.9	21

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109	The influence of fluorine and nickel ions on the structural, spectroscopic, and optical properties of $(100-x)(\text{NaF})_x(\text{CaF}_2)_{1-x}$ glasses. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 8662-8668.	2.2	24
110	Structural, Optical, and Dielectric Properties of Azure B Thin Films and Impact of Thermal Annealing. <i>Journal of Electronic Materials</i> , 2017, 46, 4304-4311.	2.2	4
111	UV-irradiation assisted control of the structural, optical and thermal properties of PEO/PVP blended gold nanoparticles. <i>Materials Chemistry and Physics</i> , 2017, 201, 100-112.	4.0	92
112	Solid-phase extraction of $\text{Cu}^{2+}$ and $\text{Pb}^{2+}$ from waters using new thermally treated chitosan/polyacrylamide thin films; adsorption kinetics and thermodynamics. <i>International Journal of Environmental Analytical Chemistry</i> , 2017, 97, 965-982.	3.3	10
113	Structure and Electrical Properties of Iron Borosilicate Glasses. <i>Silicon</i> , 2017, 9, 895-900.	3.3	17
114	The effect of $\text{Li}_2\text{O}$ and $\text{LiF}$ on structural properties of cobalt doped borate glasses. <i>Journal of King Saud University - Science</i> , 2017, 29, 510-516.	3.5	12
115	Morphological, Thermal and Electrical Properties of (PEO/PVP)/ Au Nanocomposite Before and After Gamma-Irradiation. <i>Journal of Research Updates in Polymer Science</i> , 2017, 6, 45-54.	0.3	23
116	Structural and Electrical Properties of PVA/PVP Blend Doped with Methylene Blue Dye. <i>International Journal of Electrochemical Science</i> , 2016, 11, 9041-9056.	1.3	65
117	Solar wind implication on dust ion acoustic rogue waves. <i>Physics of Plasmas</i> , 2016, 23, 062121.	1.9	2
118	Spectroscopic Inquiry of the $\text{Fe}_2\text{O}_3$ -role in Binary Sodium Borate, Sodium Silicate and Sodium Phosphate Glasses and Effects of Gamma Irradiation. <i>Silicon</i> , 2016, 8, 313-324.	3.3	6
119	Optical character enrichment of $\text{Nd}^{3+}$ doped lithium fluoroborate glasses. <i>Journal of Non-Crystalline Solids</i> , 2016, 453, 16-22.	3.1	18
120	The influence of titanium ions on crystallization, morphological, and structural properties of strontium borate glass. <i>Journal of Non-Crystalline Solids</i> , 2016, 450, 66-74.	3.1	12
121	Optical and structural investigations of zinc phosphate glasses containing vanadium ions. <i>Journal of Non-Crystalline Solids</i> , 2016, 433, 14-19.	3.1	84
122	Removal and separation of $\text{Cu}(\text{II})$ from aqueous solutions using nano-silver chitosan/polyacrylamide membranes. <i>International Journal of Biological Macromolecules</i> , 2016, 86, 789-798.	7.5	62
123	Effect of gamma-irradiation on (PEO/PVP)/Au nanocomposite: Materials for electrochemical and optical applications. <i>Materials and Design</i> , 2016, 97, 532-543.	7.0	147
124	Optical and $\mu\text{-FTIR}$ mapping: A new approach for structural evaluation of $\text{V}_2\text{O}_5$ -lithium fluoroborate glasses. <i>Materials and Design</i> , 2016, 89, 568-572.	7.0	29
125	Synthesis and Spectral Properties of $\text{Nd}_2\text{O}_3$ -Doped Sodium Silicophosphate Glass. <i>Silicon</i> , 2016, 8, 325-330.	3.3	9
126	Structural and optical properties of $\text{CuO}$ in zinc phosphate glasses and effects of gamma irradiation. <i>Journal of Molecular Structure</i> , 2016, 1103, 224-231.	3.6	65



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127	Role of SrO on the bioactivity behavior of some ternary borate glasses and their glass ceramic derivatives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 152, 126-133.	3.9	59
128	New Transparent Nano-Glass-Ceramics of SiO <sub>2</sub> and CaF <sub>2</sub> doped SrO-B <sub>2</sub> O <sub>3</sub> Glass. <i>Silicon</i> , 2016, 8, 563-571.	3.3	13
129	Role of LiBr Inorganic Filler on Physical Properties of Polyether Sulfone Thermoplastic Polymer. <i>Quantum Matter</i> , 2016, 5, 233-242.	0.2	6
130	Modeling and Physical Properties of Lead Sulphide/Polyvinyl Alcohol Nano-Composite. <i>Quantum Matter</i> , 2016, 5, 257-262.	0.2	13
131	Cadmium Borate Glass as Host Media for Nickel Oxide Dopant. <i>Silicon</i> , 2015, 7, 401-407.	3.3	5
132	Combined DFT/FTIR structural studies of monodispersed PVP/Gold and silver nano particles. <i>Journal of Alloys and Compounds</i> , 2015, 646, 326-332.	5.5	76
133	Structural and Optical Correlation of Gamma-Irradiated 3d Transition Metals-Doped Lithium Disilicate Glasses. <i>Silicon</i> , 2015, 7, 409-417.	3.3	11
134	Influence of CuO content on the structure of lithium fluoroborate glasses: Spectral and gamma irradiation studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 149, 788-792.	3.9	35
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