

# A M Abdelghany

## 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.

178 papers	3,824 citations	41 h-index	52 g-index
182 ext. papers	4,917 ext. citations	3.2 avg, IF	6.54 L-index

#	Paper	IF	Citations
178	Structural and Antibacterial Peculiarities of Modified Borate Bioglass Containing Mixed Dopant Oxides. <i>Journal of Bio- and Tribo-Corrosion</i> , <b>2022</b> , 8, 1	2.9	0
177	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> , <b>2022</b> , 635, 128115	5.1	4
176	Selenium nanoparticles and quercetin suppress thioacetamide-induced hepatocellular carcinoma in rats: Attenuation of inflammation involvement.. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2022</b> , e22989	3.4	1
175	Effect of zinc oxide nanoparticles on physical properties of carboxymethyl cellulose/ poly (ethylene oxide) matrix. <i>Physica B: Condensed Matter</i> , <b>2022</b> , 633, 413771	2.8	4
174	Structural, optical, and dielectric characteristics of copper oxide nanoparticles loaded CMC/PEO matrix. <i>Journal of Materials Science</i> , <b>2022</b> , 57, 7556-7569	4.3	0
173	Cadmium invert sodium phosphate glasses: A structural peculiarities. <i>Journal of Taibah University for Science</i> , <b>2021</b> , 15, 1123-1129	3	1
172	The effect of radiation on the structure and ligand field of borate glasses containing Cr ions. <i>Optical and Quantum Electronics</i> , <b>2021</b> , 53, 1	2.4	1
171	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> , <b>2021</b> , 608, 412730	2.8	4
170	Design a tunable glasses optical filters using CuO doped fluoroborate glasses. <i>Optics and Laser Technology</i> , <b>2021</b> , 137, 106829	4.2	5
169	Structural studies and physical properties of Gd <sub>2</sub> O <sub>3</sub> -doped borate glass. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 14642	2.1	0
168	Structural and optical properties of PEO/CMC polymer blend modified with gold nanoparticles synthesized by laser ablation in water. <i>Journal of Materials Research and Technology</i> , <b>2021</b> , 12, 1597-1605	5.5	4
167	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. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 16242-16254	2.1	5
166	Structural role of chromium sulfate in modified borate glasses and glass ceramics. <i>Materialia</i> , <b>2021</b> , 16, 101095	3.2	1
165	Biosynthesized Selenium nanoparticles as a new catalyst in the synthesis of quinazoline derivatives in pentacyclic system with docking validation as (TRPV1) inhibitor. <i>Journal of Organometallic Chemistry</i> , <b>2021</b> , 944, 121847	2.3	4
164	Structure-dynamic properties relationships in poly(ethylene oxide)/silicon dioxide nanocomposites: dielectric relaxation study. <i>Polymer Bulletin</i> , <b>2021</b> , 78, 5205-5223	2.4	6
163	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> , <b>2021</b> , 552, 120460	3.9	6
162	Transparent Alumino Lithium Borate Glass-Ceramics: Synthesis, Structure and Gamma-Ray Shielding Attitude. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2021</b> , 31, 2560-2568	3.2	15

161	Structural, optical, and electrical reinforcement of gamma-irradiated PEO/SA/Au NPs nanocomposite. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 6538-6549	2.1	6
160	Spectroscopic Studies and the Effect of Radiation of Alkali Borate Glasses Containing Chromium Ions. <i>Journal of Non-Crystalline Solids</i> , <b>2021</b> , 565, 120743	3.9	1
159	Novel Er <sup>3+</sup> doped heavy metals-oxyfluorophosphate glass as a blue emitter. <i>Optical and Quantum Electronics</i> , <b>2021</b> , 53, 1	2.4	0
158	Polydatin gold nanoparticles potentiate antitumor effect of doxorubicin in Ehrlich ascites carcinoma-bearing mice. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2021</b> , 35, e22869	3.4	1
157	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. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 24401-24414	2.1	3
156	Study the structure of selenium modified polyethylene oxide/polyvinyl alcohol (PEO/PVA) polymer blend. <i>Journal of Materials Research and Technology</i> , <b>2021</b> , 14, 2962-2969	5.5	3
155	AC conductivity and dielectric properties of Cr <sub>2</sub> O <sub>3</sub> doped SrO-B <sub>2</sub> O <sub>5</sub> glasses. <i>Physica B: Condensed Matter</i> , <b>2021</b> , 618, 413184	2.8	4
154	Synthesis and characterization of CuO/ZnO/Al <sub>2</sub> O <sub>3</sub> particles and its utilization as a catalyst for acrylamide derivatives. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1241, 130664	3.4	1
153	Mixed modifier effect in lithium manganese metaphosphate glasses on the emission of highly dispersed Mn <sup>2+</sup> centers for red-LED. <i>Ceramics International</i> , <b>2021</b> , 47, 32424-32432	5.1	4
152	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. <i>Journal of Non-Crystalline Solids</i> , <b>2021</b> , 572, 121090	3.9	4
151	Effect of BO <sub>4</sub> and FeO <sub>4</sub> Structural Units on Conduction Mechanism of Iron Borosilicate Glasses. <i>Silicon</i> , <b>2020</b> , 1	2.4	4
150	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> , <b>2020</b> , 31, 10422-10436	2.1	12
149	Precipitation of silver nanoparticle within silicate glassy matrix via Nd:YAG laser for biomedical applications. <i>Radiation Physics and Chemistry</i> , <b>2020</b> , 174, 108958	2.5	28
148	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> , <b>2020</b> , 31, 10315-10322	3.1	5
147	Bone bonding augmentation and synergetic attitude of gamma-irradiated modified borate bioglass. <i>Radiation Physics and Chemistry</i> , <b>2020</b> , 176, 109018	2.5	4
146	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> , <b>2020</b> , 43, 1	1.7	5
145	Does Modification of Amalgomer with Propolis Alter Its Physicomechanical Properties? An In Vitro Study. <i>International Journal of Biomaterials</i> , <b>2020</b> , 2020, 3180879	3.2	2
144	Gamma irradiated Hench's Bioglass and their derivatives Hench's Bioglass-ceramic for bone bonding efficiency. <i>Radiation Physics and Chemistry</i> , <b>2020</b> , 174, 108932	2.5	13

143	In vitro bioactivity of silicophosphate glasses doped with ZnO, SrO or CuO. <i>Journal of Theoretical and Applied Physics</i> , <b>2020</b> , 14, 159-169	1.4	4
142	Optical parameters, antibacterial characteristics and structure correlation of copper ions in cadmium borate glasses. <i>Journal of Materials Research and Technology</i> , <b>2020</b> , 9, 10491-10497	5.5	14
141	Precipitation of Silver Nanoparticles in Borate Glasses by 1064 nm Nd:YAG Nanosecond Laser Pulses: Characterization and Dielectric Studies. <i>Journal of Electronic Materials</i> , <b>2020</b> , 49, 826-832	1.9	41
140	Vanadium structural role in binary fluoride borate glasses and effects of gamma irradiation. <i>Radiation Physics and Chemistry</i> , <b>2020</b> , 170, 108659	2.5	10
139	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> , <b>2020</b> , 9, 59-66	5.5	13
138	The effects of prolonged UV irradiation on the physicochemical characteristics of chitosan lamellar films modified with nanoparticulate silver vanadate nanorods. <i>Polymer Bulletin</i> , <b>2020</b> , 77, 5489-5503	2.4	0
137	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> , <b>2020</b> , 9, 1530-1538	5.5	12
136	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> , <b>2020</b> , 9, 789-797	5.5	28
135	Pulsed laser ablated zeolite nanoparticles: A novel nano-catalyst for the synthesis of 1,8-dioxo-octahydroanthene and N-aryl-1,8-dioxodecahydroacridine with molecular docking validation. <i>Applied Organometallic Chemistry</i> , <b>2020</b> , 34, e5250	3.1	20
134	Structural and optical absorption studies on CrO doped SrO-PO glasses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2020</b> , 228, 117840	4.4	13
133	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> , <b>2020</b> , 31, 20452-20459	2.1	6
132	Optical and dielectric characteristics of polyethylene oxide/sodium alginate-modified gold nanocomposites.. <i>RSC Advances</i> , <b>2020</b> , 10, 37621-37630	3.7	23
131	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> , <b>2020</b> , 31, 20060-20071	2.1	5
130	Conductivity and morphological studies on iron borosilicate glasses. <i>Journal of Non-Crystalline Solids</i> , <b>2020</b> , 545, 120233	3.9	4
129	Structure dielectric correlation of PEO/PVP incorporated with biosynthesized gold nanoparticles. <i>Journal of Polymer Research</i> , <b>2020</b> , 27, 1	2.7	2
128	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> , <b>2020</b> , 49, 6107-6122	1.9	5
127	Nd:YAG Nanosecond Laser Pulses for Precipitation Silver Nanoparticles in Silicate Glasses: AC Conductivity and Dielectric Studies. <i>Silicon</i> , <b>2020</b> , 12, 13-20	2.4	44
126	Preconcentration of Lead in Blood and Urine Samples Among Bladder Cancer Patients Using Mesoporous Strontium Titanate Nanoparticles. <i>Biological Trace Element Research</i> , <b>2020</b> , 193, 100-110	4.5	9

125	Blend biopolymeric nanofibrous scaffolds of cellulose acetate/polycaprolactone containing metallic nanoparticles prepared by laser ablation for wound disinfection applications. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 155, 636-644	7.9	71
124	Performance Enhancement of Chitosan Filled Silver Vanadate Nano-rods. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2019</b> , 29, 901-907	3.2	6
123	A.C conductivity and dielectric properties of CoO doped SrO-P2O5 glasses. <i>Physica B: Condensed Matter</i> , <b>2019</b> , 573, 22-27	2.8	14
122	Nonlinear dust acoustic waves in a self-gravitating and opposite-polarity complex plasma medium. <i>European Physical Journal Plus</i> , <b>2019</b> , 134, 1	3.1	13
121	Prospect of Bioactive Glass Ceramic Adsorption for Copper Ions Removal from Water. <i>Silicon</i> , <b>2019</b> , 11, 1835-1843	2.4	1
120	Gravitoelectrostatic excitations in an opposite polarity complex plasma. <i>Physics of Plasmas</i> , <b>2019</b> , 26, 063701	2.1	14
119	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> , <b>2019</b> , 174, 579-595	0.9	14
118	Green synthesis of gold nanoparticles and its effect on the optical, thermal and electrical properties of carboxymethyl cellulose. <i>Composites Part B: Engineering</i> , <b>2019</b> , 172, 436-446	10	34
117	V2O5 based quadruple nano-perovskite as a new catalyst for the synthesis of bis and tetrakis heterocyclic compounds. <i>Applied Organometallic Chemistry</i> , <b>2019</b> , 33, e4783	3.1	7
116	Precipitation of silver nanoparticles in silicate glasses via Nd:YAG nanosecond laser and its characterization. <i>Journal of Non-Crystalline Solids</i> , <b>2019</b> , 513, 49-54	3.9	52
115	Optical properties of bismuth borotellurite glasses doped with NdCl3. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1175, 504-511	3.4	40
114	Characterization and some physical studies of PVA/PVP filled with MWCNTs. <i>Journal of Materials Research and Technology</i> , <b>2019</b> , 8, 904-913	5.5	84
113	Nanosecond Laser Irradiation as New Route for Silver Nanoparticles Precipitation in Glassy Matrix. <i>Silicon</i> , <b>2019</b> , 11, 377-381	2.4	43
112	Synthesis, characterization and antimicrobial activity of Chitosan/Polyvinyl Alcohol blend doped with Hibiscus Sabdariffa L. extract. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1197, 603-609	3.4	78
111	Synthesis and structural-biological correlation of PVCPVAc polymer blends. <i>Journal of Materials Research and Technology</i> , <b>2019</b> , 8, 3908-3916	5.5	24
110	AC conductivity and dielectric characteristics of PVA/PVP nanocomposite filled with MWCNTs. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 15521-15533	2.1	18
109	Influence of green synthesized gold nanoparticles on the structural, optical, electrical and dielectric properties of (PVP/SA) blend. <i>Physica B: Condensed Matter</i> , <b>2019</b> , 560, 162-173	2.8	41
108	Structural, thermal and electrical studies of polyethylene oxide/starch blend containing green synthesized gold nanoparticles. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1180, 15-25	3.4	38

107	Structural investigation and enhancement of optical, electrical and thermal properties of poly (vinyl chloride-co-vinyl acetate-co-2-hydroxypropyl acrylate)/graphene oxide nanocomposites. <i>Journal of Materials Research and Technology</i> , <b>2019</b> , 8, 1111-1120	5.5	21
106	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. <i>Silicon</i> , <b>2019</b> , 11, 197-208	2.4	13
105	Dust acoustic cnoidal waves in a polytropic complex plasma. <i>Physics of Plasmas</i> , <b>2018</b> , 25, 013709	2.1	6
104	Compatibility and bone bonding efficiency of gamma irradiated Hench's Bioglass-Ceramics. <i>Ceramics International</i> , <b>2018</b> , 44, 7034-7041	5.1	15
103	Structural, Optical, Morphological and Electrical Properties of CoCl <sub>2</sub> -filled Poly(vinyl chloride-co-vinyl acetate-co-2- hydroxypropyl acrylate) Terpolymer. <i>Silicon</i> , <b>2018</b> , 10, 1697-1704	2.4	3
102	Compatibility and Bone Bonding Efficiency of Gamma Irradiated Hench's Bioglass. <i>Silicon</i> , <b>2018</b> , 10, 1533-1541	2.4	12
101	Photodegradation of methylene blue with PVA/PVP blend under UV light irradiation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2018</b> , 199, 220-227	4.4	20
100	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. <i>Silicon</i> , <b>2018</b> , 10, 703-708	2.4	7
99	Gamma rays Interactions with Bismuth Phosphate Glasses Doped with 3d Transition Metal Oxides. <i>Silicon</i> , <b>2018</b> , 10, 891-899	2.4	10
98	Role of Silica Nanoparticles on Structural, Optical and Morphological Properties of Poly(Vinyl Chloride-co-Vinyl Acetate-co-2- Hydroxypropyl Acrylate) Copolymer. <i>Silicon</i> , <b>2018</b> , 10, 519-524	2.4	15
97	Structural Investigation of PVC/PS Polymer Blend Doped with Nanosilica from a Renewable Source. <i>Silicon</i> , <b>2018</b> , 10, 1013-1019	2.4	8
96	Manifestation and Role of B <sub>2</sub> O <sub>3</sub> in High Lead Containing Silicate Glasses. <i>Silicon</i> , <b>2018</b> , 10, 1103-1110	2.4	3
95	Structural, optical, morphological and thermal properties of PEO/PVP blend containing different concentrations of biosynthesized Au nanoparticles. <i>Journal of Materials Research and Technology</i> , <b>2018</b> , 7, 419-431	5.5	88
94	Reducing Power of Phosphate Matrix in Binary Barium Phosphate Glasses Doped with 3d Transition Metals and Effects of Gamma Radiation. <i>Silicon</i> , <b>2018</b> , 10, 1181-1186	2.4	4
93	Characterization of Invert Soda Lime Silica Glasses Containing High Titania Content Together with their Glass Ceramics. <i>Silicon</i> , <b>2018</b> , 10, 1035-1043	2.4	9
92	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> , <b>2018</b> , 10, 2173-2179	2.4	1
91	Enhancement of dielectric properties and AC electrical conductivity of nanocomposite using poly (vinyl chloride-co-vinyl acetate-co-2-hydroxypropyl acrylate) filled with graphene oxide. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 15931-15945	2.1	14
90	Optical and FTIR structural studies on CoO-doped strontium phosphate glasses. <i>Journal of Non-Crystalline Solids</i> , <b>2018</b> , 499, 153-158	3.9	30



89	Lepidium sativum natural seed plant extract in the structural and physical characteristics of polyvinyl alcohol. <i>International Journal of Environmental Studies</i> , <b>2018</b> , 75, 965-977	1.8	7
88	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> , <b>2018</b> , 14, 5682-5692	1.5	6
87	Gamma rays Interactions with Bismuth Phosphate Glasses Doped with 3d Transition Metal Oxides <b>2018</b> , 10, 891		1
86	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> , <b>2018</b> , 10, 29-37	2.4	6
85	Gamma ray interactions with samarium doped strontium phosphate glasses. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 20907-20913	2.1	2
84	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> , <b>2018</b> , 495, 67-74	3.9	41
83	Role of CdSe quantum dots in the structure and antibacterial activity of chitosan/poly e-caprolactone thin films. <i>Egyptian Journal of Basic and Applied Sciences</i> , <b>2018</b> , 5, 138-144	1.3	9
82	Developing Viscosity Modelling for Traditional Liquids in Egypt. <i>Folia Phoniatrica Et Logopaedica</i> , <b>2018</b> , 70, 37-43	1.5	
81	Effect of Gamma-irradiation on biosynthesized gold nanoparticles using Chenopodium murale leaf extract. <i>Journal of Saudi Chemical Society</i> , <b>2017</b> , 21, 528-537	4.3	44
80	Thermal, Structural, and Morphological Investigations of Modified Bismuth Silicate Glass-Ceramics. <i>Silicon</i> , <b>2017</b> , 9, 239-248	2.4	13
79	AC Conductivity and Dielectric Behavior of Silicophosphate Glass Doped by Nd <sub>2</sub> O <sub>3</sub> . <i>Silicon</i> , <b>2017</b> , 9, 347-354	3.4	5
78	Judd-Ofelt analysis of spectroscopic properties of Sm <sup>3+</sup> doped P <sub>2</sub> O <sub>5</sub> -B <sub>2</sub> O <sub>3</sub> glasses. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 12132-12138	2.1	16
77	Gamma ray interaction with vanadyl ions in barium metaphosphate glasses; spectroscopic and ESR studies. <i>Journal of Molecular Structure</i> , <b>2017</b> , 1147, 33-39	3.4	10
76	Optical character inquest of cobalt containing fluoroborate glass. <i>Optik</i> , <b>2017</b> , 142, 125-133	2.5	17
75	The influence of fluorine and nickel ions on the structural, spectroscopic, and optical properties of (100 [x])[15NaF][CaF <sub>2</sub> ][B <sub>2</sub> O <sub>3</sub> ]-xNiO glasses. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 8662-8668	2.1	20
74	Structural, Optical, and Dielectric Properties of Azure B Thin Films and Impact of Thermal Annealing. <i>Journal of Electronic Materials</i> , <b>2017</b> , 46, 4304-4311	1.9	4
73	UV-irradiation assisted control of the structural, optical and thermal properties of PEO/PVP blended gold nanoparticles. <i>Materials Chemistry and Physics</i> , <b>2017</b> , 201, 100-112	4.4	58
72	Solid-phase extraction of Cu <sup>2+</sup> and Pb <sup>2+</sup> from waters using new thermally treated chitosan/polyacrylamide thin films; adsorption kinetics and thermodynamics. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2017</b> , 97, 965-982	1.8	6

71	Structure and Electrical Properties of Iron Borosilicate Glasses. <i>Silicon</i> , <b>2017</b> , 9, 895-900	2.4	8
70	The effect of Li <sub>2</sub> O and LiF on structural properties of cobalt doped borate glasses. <i>Journal of King Saud University - Science</i> , <b>2017</b> , 29, 510-516	3.6	8
69	Morphological, Thermal and Electrical Properties of (PEO/PVP)/ Au Nanocomposite Before and After Gamma-Irradiation. <i>Journal of Research Updates in Polymer Science</i> , <b>2017</b> , 6, 45-54		14
68	Synthesis and Spectral Properties of Nd <sub>2</sub> O <sub>3</sub> -Doped Sodium Silicophosphate Glass. <i>Silicon</i> , <b>2016</b> , 8, 325-330		8
67	Structural and optical properties of CuO in zinc phosphate glasses and effects of gamma irradiation. <i>Journal of Molecular Structure</i> , <b>2016</b> , 1103, 224-231	3.4	45
66	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> , <b>2016</b> , 152, 126-33	4.4	44
65	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> , <b>2016</b> , 8, 563-571		11
64	Optical and structural investigations of zinc phosphate glasses containing vanadium ions. <i>Journal of Non-Crystalline Solids</i> , <b>2016</b> , 433, 14-19	3.9	46
63	Removal and separation of Cu(II) from aqueous solutions using nano-silver chitosan/polyacrylamide membranes. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 86, 789-98	7.9	45
62	Effect of gamma-irradiation on (PEO/PVP)/Au nanocomposite: Materials for electrochemical and optical applications. <i>Materials and Design</i> , <b>2016</b> , 97, 532-543	8.1	94
61	Optical and FTIR mapping: A new approach for structural evaluation of V <sub>2</sub> O <sub>5</sub> -lithium fluoroborate glasses. <i>Materials and Design</i> , <b>2016</b> , 89, 568-572	8.1	23
60	Role of LiBr Inorganic Filler on Physical Properties of Polyether Sulfone Thermoplastic Polymer. <i>Quantum Matter</i> , <b>2016</b> , 5, 233-242		6
59	Modeling and Physical Properties of Lead Sulphide/Polyvinyl Alcohol Nano-Composite. <i>Quantum Matter</i> , <b>2016</b> , 5, 257-262		4
58	Structural and Electrical Properties of PVA/PVP Blend Doped with Methylene Blue Dye. <i>International Journal of Electrochemical Science</i> , <b>2016</b> , 9041-9056	2.2	31
57	Solar wind implication on dust ion acoustic rogue waves. <i>Physics of Plasmas</i> , <b>2016</b> , 23, 062121	2.1	2
56	Spectroscopic Inquiry of the Fe <sub>2</sub> O <sub>3</sub> -role in Binary Sodium Borate, Sodium Silicate and Sodium Phosphate Glasses and Effects of Gamma Irradiation. <i>Silicon</i> , <b>2016</b> , 8, 313-324	2.4	6
55	Optical character enrichment of NdF <sub>3</sub> doped lithium fluoroborate glasses. <i>Journal of Non-Crystalline Solids</i> , <b>2016</b> , 453, 16-22	3.9	15
54	The influence of titanium ions on crystallization, morphological, and structural properties of strontium borate glass. <i>Journal of Non-Crystalline Solids</i> , <b>2016</b> , 450, 66-74	3.9	6



53	Combined DFT/FTIR structural studies of monodispersed PVP/Gold and silver nano particles. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 646, 326-332	5.7	59
52	Structural and Optical Correlation of Gamma-Irradiated 3d Transition Metals-Doped Lithium Disilicate Glasses. <i>Silicon</i> , <b>2015</b> , 7, 409-417	2.4	10
51	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> , <b>2015</b> , 149, 788-92	4.4	32
50	Determination of Cu(2+), Zn(2+) and Pb(2+) in biological and food samples by FAAS after preconcentration with hydroxyapatite nanorods originated from eggshell. <i>Materials Science and Engineering C</i> , <b>2015</b> , 52, 288-96	8.3	38
49	Dielectric, electrical and spectroscopic properties of barium borates of low WO <sub>3</sub> content. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2015</b> , 26, 5120-5128	2.1	7
48	The effect of WO <sub>3</sub> dopant on the structural and optical properties of ZnO/B <sub>2</sub> O <sub>5</sub> glass and the effect of gamma irradiation. <i>Journal of Molecular Structure</i> , <b>2015</b> , 1081, 342-347	3.4	21
47	Impact of vanadium ions in barium borate glass. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 137, 39-44	4.4	52
46	Modeling, Structural, and Spectroscopic Studies of Cobalt-doped Lithium Phosphate Glasses and Effect of Gamma Irradiation. <i>Spectroscopy Letters</i> , <b>2015</b> , 48, 623-630	1.1	5
45	Cadmium Borate Glass as Host Media for Nickel Oxide Dopant. <i>Silicon</i> , <b>2015</b> , 7, 401-407	2.4	4
44	Impact of in situ preparation of CdS filled PVP nano-composite. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2014</b> , 130, 302-8	4.4	57
43	Spectroscopic investigation of synergetic bioactivity behavior of some ternary borate glasses containing fluoride anions. <i>Ceramics International</i> , <b>2014</b> , 40, 8003-8011	5.1	21
42	Computational studies of the first order kinetic reactions for mononuclear copper(II) complexes having a hard-soft NS donor ligand. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2014</b> , 130, 178-87	4.4	16
41	Effect of 3d-transition metal doping on the shielding behavior of barium borate glasses: a spectroscopic study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2014</b> , 133, 534-41	4.4	35
40	Optical and FTIR structural studies of CoO-doped sodium borate, sodium silicate and sodium phosphate glasses and effects of gamma irradiation-a comparative study. <i>Journal of Molecular Structure</i> , <b>2014</b> , 1074, 503-510	3.4	68
39	Gamma-rays interactions on optical, FTIR absorption and ESR spectra of 3d transition metals-doped sodium silicophosphate glasses. <i>Journal of Molecular Structure</i> , <b>2014</b> , 1067, 138-146	3.4	23
38	Characterization by combined optical and FT infrared spectra of 3d-transition metal ions doped-bismuth silicate glasses and effects of gamma irradiation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2014</b> , 122, 461-8	4.4	42
37	Zinc containing borate glasses and glass-ceramics: Search for biomedical applications. <i>Processing and Application of Ceramics</i> , <b>2014</b> , 8, 185-193	1.4	19
36	Optical and FT Infrared spectral studies of vanadium ions in cadmium borate glass and effects of gamma irradiation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2014</b> , 131, 497-501	4.4	16

35	Gamma Rays Interactions with Strontium Borate Glasses Doped with First-Row Transition Metal Oxides. <i>The Open Spectroscopy Journal</i> , <b>2014</b> , 8, 1-8		11
34	Bismuth silicate glass as host media for some selected rare-earth ions and effects of gamma irradiation. <i>Philosophical Magazine</i> , <b>2013</b> , 93, 2465-2484	1.6	17
33	Effect of TiO <sub>2</sub> doping and gamma ray irradiation on the properties of SrOB <sub>2</sub> O <sub>3</sub> glasses. <i>Journal of Non-Crystalline Solids</i> , <b>2013</b> , 379, 214-219	3.9	35
32	Spectroscopic studies of lithium phosphate, lead phosphate and zinc phosphate glasses containing TiO <sub>2</sub> : Effect of gamma irradiation. <i>Journal of Molecular Structure</i> , <b>2013</b> , 1035, 209-217	3.4	32
31	Quantum confinement effect of CdS nanoparticles dispersed within PVP/PVA nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2013</b> , 24, 2956-2961	2.1	32
30	Ultraviolet and infrared absorption spectra of Cr <sub>2</sub> O <sub>3</sub> doped-sodium metaphosphate, lead metaphosphate and zinc metaphosphate glasses and effects of gamma irradiation: a comparative study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2013</b> , 114, 658-67	4.4	42
29	Defect formation of gamma irradiated MoO <sub>3</sub> -doped borophosphate glasses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2013</b> , 114, 569-74	4.4	42
28	Novel method for early investigation of bioactivity in different borate bio-glasses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2013</b> , 100, 120-6	4.4	44
27	Gamma rays interactions with WO <sub>3</sub> -doped lead borate glasses. <i>Materials Chemistry and Physics</i> , <b>2012</b> , 134, 542-548	4.4	43
26	Optical and shielding behavior studies of vanadium-doped lead borate glasses. <i>Radiation Effects and Defects in Solids</i> , <b>2012</b> , 167, 49-58	0.9	54
25	Structural evaluation and shielding behavior of gamma irradiated vanadium doped silicophosphate glasses. <i>Journal of Molecular Structure</i> , <b>2012</b> , 1024, 47-53	3.4	29
24	Optical and FTIR studies of CuO-doped lead borate glasses and effect of gamma irradiation. <i>Journal of Non-Crystalline Solids</i> , <b>2012</b> , 358, 820-825	3.9	61
23	Optical and infrared absorption spectra of 3d transition metal ions-doped sodium borophosphate glasses and effect of gamma irradiation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2012</b> , 98, 148-55	4.4	54
22	Optical and FTIR spectra of NdF <sub>3</sub> -doped borophosphate glasses and effect of gamma irradiation. <i>Journal of Molecular Structure</i> , <b>2012</b> , 1030, 107-112	3.4	57
21	Bone bonding ability behavior of some ternary borate glasses by immersion in sodium phosphate solution. <i>Ceramics International</i> , <b>2012</b> , 38, 1105-1113	5.1	71
20	Shielding behavior of V <sub>2</sub> O <sub>5</sub> doped lead borate glasses towards gamma irradiation. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 6913-6919	5.7	51
19	UV-Visible and infrared absorption spectra of gamma irradiated V <sub>2</sub> O <sub>5</sub> -doped in sodium phosphate, lead phosphate, zinc phosphate glasses: A comparative study. <i>Journal of Non-Crystalline Solids</i> , <b>2011</b> , 357, 1027-1036	3.9	73
18	Gamma rays interaction with bismuth borate glasses doped by transition metal ions. <i>Journal of Materials Science</i> , <b>2011</b> , 46, 5140-5152	4.3	77

17	Structural characterization of gamma irradiated lithium phosphate glasses containing variable amounts of molybdenum. <i>Journal of Molecular Structure</i> , <b>2011</b> , 1000, 103-108	3.4	56
16	Ultraviolet, visible, ESR, and infrared spectroscopic studies of CeO <sub>2</sub> -doped lithium phosphate glasses and effect of gamma irradiation. <i>Journal of Molecular Structure</i> , <b>2011</b> , 997, 94-102	3.4	43
15	UV-Visible and infrared absorption spectra of gamma irradiated CuO-doped lithium phosphate, lead phosphate and zinc phosphate glasses: A comparative study. <i>Physica B: Condensed Matter</i> , <b>2011</b> , 406, 3694-3703	2.8	86
14	Dielectric behavior and PTCR effect in nanocrystallite PMN ferroelectric ceramics. <i>Philosophical Magazine</i> , <b>2010</b> , 90, 2115-2123	1.6	2
13	UV-Visible and IR Spectroscopic Studies of Gamma Irradiated Transition Metal Doped Lead Silicate Glasses. <i>Silicon</i> , <b>2010</b> , 2, 49-60	2.4	42
12	FTIR Spectral Analysis of Corrosion Mechanisms in Soda Lime Silica Glasses Doped with Transition Metal Oxides. <i>Silicon</i> , <b>2010</b> , 2, 41-47	2.4	46
11	The Elusory Role of Low Level Doping Transition Metals in Lead Silicate Glasses. <i>Silicon</i> , <b>2010</b> , 2, 179-184	2.4	47
10	Infrared absorption spectra of transition metals-doped soda lime silica glasses. <i>Physica B: Condensed Matter</i> , <b>2010</b> , 405, 1294-1300	2.8	84
9	Infrared reflection spectroscopy for precise tracking of corrosion behavior in 3d-transition metals doped binary lead silicate glass. <i>Physica B: Condensed Matter</i> , <b>2010</b> , 405, 2648-2653	2.8	24
8	Electrical conductivity and thermoelectric power of AgSbSe <sub>2</sub> in the solid and liquid states. <i>Materials Chemistry and Physics</i> , <b>1996</b> , 44, 277-280	4.4	6
7	Thermal Conductivity of Selenium Doped with Indium and Iodine in the Solid and Liquid States. <i>Physics and Chemistry of Liquids</i> , <b>1990</b> , 22, 103-106	1.5	
6	Electrical conductivity of chitosan/PCL hosting network for CdSe quantum dots. <i>Polymer Bulletin</i> , 1	2.4	
5	. <i>Applied Organometallic Chemistry</i> ,	3.1	70
4	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> , 1	3.2	1
3	Effect of surfactants addition on physical, structure and antimicrobial activity of (Na-CMC/NaAlg) biofilms. <i>Polymer Bulletin</i> , 1	2.4	
2	Spectroscopic studies of preparation conditions role on the shielding properties of MoO <sub>3</sub> -doped Na <sub>2</sub> O-nB <sub>2</sub> O <sub>5</sub> . <i>Journal of the Australian Ceramic Society</i> , 1	1.5	0
1	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> , 1	3.2	0