

A M Abdelghany

List of Publications by Year in descending order

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papers

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38742

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docs citations

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times ranked

3270
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization and some physical studies of PVA/PVP filled with MWCNTs. Journal of Materials Research and Technology, 2019, 8, 904-913.	5.8	186
2	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
3	Effect of gamma-irradiation on (PEO/PVP)/Au nanocomposite: Materials for electrochemical and optical applications. Materials and Design, 2016, 97, 532-543.	7.0	147
4	Synthesis, characterization and antimicrobial activity of Chitosan/Polyvinyl Alcohol blend doped with Hibiscus Sabdariffa L. extract. Journal of Molecular Structure, 2019, 1197, 603-609.	3.6	135
5	Infrared absorption spectra of transition metals-doped soda lime silica glasses. Physica B: Condensed Matter, 2010, 405, 1294-1300.	2.7	113
6	Optical and dielectric characteristics of polyethylene oxide/sodium alginate-modified gold nanocomposites. RSC Advances, 2020, 10, 37621-37630.	3.6	104
7	UV-visible and infrared absorption spectra of gamma irradiated CuO-doped lithium phosphate, lead phosphate and zinc phosphate glasses: A comparative study. Physica B: Condensed Matter, 2011, 406, 3694-3703.	2.7	102
8	Optical and FTIR structural studies of CoO-doped sodium borate, sodium silicate and sodium phosphate glasses and effects of gamma irradiation-a comparative study. Journal of Molecular Structure, 2014, 1074, 503-510.	3.6	100
9	Bone bonding ability behavior of some ternary borate glasses by immersion in sodium phosphate solution. Ceramics International, 2012, 38, 1105-1113.	4.8	94
10	Gamma rays interaction with bismuth borate glasses doped by transition metal ions. Journal of Materials Science, 2011, 46, 5140-5152.	3.7	93
11	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
12	UV-visible and infrared absorption spectra of gamma irradiated V2O5-doped in sodium phosphate, lead phosphate, zinc phosphate glasses: A comparative study. Journal of Non-Crystalline Solids, 2011, 357, 1027-1036.	3.1	92
13	UV-irradiation assisted control of the structural, optical and thermal properties of PEO/PVP blended gold nanoparticles. Materials Chemistry and Physics, 2017, 201, 100-112.	4.0	92
14	Blend biopolymeric nanofibrous scaffolds of cellulose acetate/ μ -polycaprolactone containing metallic nanoparticles prepared by laser ablation for wound disinfection applications. International Journal of Biological Macromolecules, 2020, 155, 636-644.	7.5	92
15	Optical and structural investigations of zinc phosphate glasses containing vanadium ions. Journal of Non-Crystalline Solids, 2016, 433, 14-19.	3.1	84
16	Optical and FTIR studies of CuO-doped lead borate glasses and effect of gamma irradiation. Journal of Non-Crystalline Solids, 2012, 358, 820-825.	3.1	81
17	Impact of in situ preparation of CdS filled PVP nano-composite. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 130, 302-308.	3.9	77
18	Combined DFT/FTIR structural studies of monodispersed PVP/Gold and silver nano particles. Journal of Alloys and Compounds, 2015, 646, 326-332.	5.5	76

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19	Impact of vanadium ions in barium borate glass. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 137, 39-44.	3.9	72
20	Enhancement of optical and electrical properties of PVC/PMMA blend films doped with Li ₄ Ti ₅ O ₁₂ nanoparticles. <i>Journal of Materials Research and Technology</i> , 2020, 9, 789-797.	5.8	71
21	The Elusory Role of Low Level Doping Transition Metals in Lead Silicate Glasses. <i>Silicon</i> , 2010, 2, 179-184.	3.3	70
22	Optical and FTIR spectra of NdF ₃ -doped borophosphate glasses and effect of gamma irradiation. <i>Journal of Molecular Structure</i> , 2012, 1030, 107-112.	3.6	69
23	FTIR Spectral Analysis of Corrosion Mechanisms in Soda Lime Silica Glasses Doped with Transition Metal Oxides. <i>Silicon</i> , 2010, 2, 41-47.	3.3	66
24	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
25	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
26	Structural and optical properties of CuO in zinc phosphate glasses and effects of gamma irradiation. <i>Journal of Molecular Structure</i> , 2016, 1103, 224-231.	3.6	65
27	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
28	Optical and shielding behavior studies of vanadium-doped lead borate glasses. <i>Radiation Effects and Defects in Solids</i> , 2012, 167, 49-58.	1.2	64
29	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
30	Structural characterization of gamma irradiated lithium phosphate glasses containing variable amounts of molybdenum. <i>Journal of Molecular Structure</i> , 2011, 1000, 103-108.	3.6	63
31	Removal and separation of Cu(II) from aqueous solutions using nano-silver chitosan/polyacrylamide membranes. <i>International Journal of Biological Macromolecules</i> , 2016, 86, 789-798.	7.5	62
32	Optical properties of bismuth borotellurite glasses doped with NdCl ₃ . <i>Journal of Molecular Structure</i> , 2019, 1175, 504-511.	3.6	62
33	Structural, thermal and electrical studies of polyethylene oxide/starch blend containing green synthesized gold nanoparticles. <i>Journal of Molecular Structure</i> , 2019, 1180, 15-25.	3.6	62
34	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> , 2012, 98, 148-155.	3.9	61
35	Precipitation of silver nanoparticles in silicate glasses via Nd:YAG nanosecond laser and its characterization. <i>Journal of Non-Crystalline Solids</i> , 2019, 513, 49-54.	3.1	61
36	Shielding behavior of V ₂ O ₅ doped lead borate glasses towards gamma irradiation. <i>Journal of Alloys and Compounds</i> , 2011, 509, 6913-6919.	5.5	60

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37	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
38	Ultraviolet, visible, ESR, and infrared spectroscopic studies of CeO ₂ -doped lithium phosphate glasses and effect of gamma irradiation. <i>Journal of Molecular Structure</i> , 2011, 997, 94-102.	3.6	59
39	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> , 2014, 133, 534-541.	3.9	59
40	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
41	UV-Visible and IR Spectroscopic Studies of Gamma Irradiated Transition Metal Doped Lead Silicate Glasses. <i>Silicon</i> , 2010, 2, 49-60.	3.3	57
42	Novel method for early investigation of bioactivity in different borate bio-glasses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 100, 120-126.	3.9	57
43	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> , 2014, 122, 461-468.	3.9	57
44	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> , 2015, 52, 288-296.	7.3	57
45	Ultraviolet and infrared absorption spectra of Cr ₂ O ₃ 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> , 2013, 114, 658-667.	3.9	56
46	Nd:YAG Nanosecond Laser Pulses for Precipitation Silver Nanoparticles in Silicate Glasses: AC Conductivity and Dielectric Studies. <i>Silicon</i> , 2020, 12, 13-20.	3.3	56
47	Nanosecond Laser Irradiation as New Route for Silver Nanoparticles Precipitation in Glassy Matrix. <i>Silicon</i> , 2019, 11, 377-381.	3.3	55
48	Precipitation of Silver Nanoparticles in Borate Glasses by 1064Ånm Nd:YAG Nanosecond Laser Pulses: Characterization and Dielectric Studies. <i>Journal of Electronic Materials</i> , 2020, 49, 826-832.	2.2	55
49	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
50	Gamma rays interactions with WO ₃ -doped lead borate glasses. <i>Materials Chemistry and Physics</i> , 2012, 134, 542-548.	4.0	54
51	Defect formation of gamma irradiated MoO ₃ -doped borophosphate glasses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 114, 569-574.	3.9	54
52	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
53	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
54	Quantum confinement effect of CdS nanoparticles dispersed within PVP/PVA nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 2956-2961.	2.2	45

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55	Effect of TiO ₂ doping and gamma ray irradiation on the properties of SrO-B ₂ O ₃ glasses. Journal of Non-Crystalline Solids, 2013, 379, 214-219.	3.1	44
56	Optical and FTIR structural studies on CoO-doped strontium phosphate glasses. Journal of Non-Crystalline Solids, 2018, 499, 153-158.	3.1	44
57	Spectroscopic studies of lithium phosphate, lead phosphate and zinc phosphate glasses containing TiO ₂ : Effect of gamma irradiation. Journal of Molecular Structure, 2013, 1035, 209-217.	3.6	40
58	Effect of cesium bromide on the structural, optical, thermal and electrical properties of polyvinyl alcohol and polyethylene oxide. Journal of Materials Research and Technology, 2020, 9, 1530-1538.	5.8	40
59	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. Journal of Materials Science: Materials in Electronics, 2018, 29, 15931-15945.	2.2	38
60	Structural evaluation and shielding behavior of gamma irradiated vanadium doped silicophosphate glasses. Journal of Molecular Structure, 2012, 1024, 47-53.	3.6	37
61	Structural, optical, and electrical reinforcement of gamma-irradiated PEO/SA/Au NPs nanocomposite. Journal of Materials Science: Materials in Electronics, 2021, 32, 6538-6549.	2.2	37
62	Influence of CuO content on the structure of lithium fluoroborate glasses: Spectral and gamma irradiation studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 149, 788-792.	3.9	35
63	Structural investigation and enhancement of optical, electrical and thermal properties of poly (vinyl Tj ETQq1 1 0.784314 rgBT /Over Materials Research and Technology, 2019, 8, 1111-1120.	5.8	35
64	Pulsed laser ablated zeolite nanoparticles: A novel nano-catalyst for the synthesis of 1,8-dioxo-octahydroxanthene and 1,8-dioxodecahydroacridine with molecular docking validation. Applied Organometallic Chemistry, 2020, 34, e5250.	3.5	35
65	Optical parameters, antibacterial characteristics and structure correlation of copper ions in cadmium borate glasses. Journal of Materials Research and Technology, 2020, 9, 10491-10497.	5.8	35
66	Spectroscopic investigation of synergetic bioactivity behavior of some ternary borate glasses containing fluoride anions. Ceramics International, 2014, 40, 8003-8011.	4.8	33
67	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
68	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
69	Gamma-rays interactions on optical, FTIR absorption and ESR spectra of 3d transition metals-doped sodium silicophosphate glasses. Journal of Molecular Structure, 2014, 1067, 138-146.	3.6	30
70	Infrared reflection spectroscopy for precise tracking of corrosion behavior in 3d-transition metals doped binary lead silicate glass. Physica B: Condensed Matter, 2010, 405, 2648-2653.	2.7	29
71	Optical and 1/4-FTIR mapping: A new approach for structural evaluation of V ₂ O ₅ -lithium fluoroborate glasses. Materials and Design, 2016, 89, 568-572.	7.0	29
72	The effect of WO ₃ dopant on the structural and optical properties of ZnO-P ₂ O ₅ glass and the effect of gamma irradiation. Journal of Molecular Structure, 2015, 1081, 342-347.	3.6	28

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73	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
74	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
75	Zinc containing borate glasses and glass-ceramics: Search for biomedical applications. <i>Processing and Application of Ceramics</i> , 2014, 8, 185-193.	0.8	25
76	Influence of SiO ₂ 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
77	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> , 2021, 12, 1597-1605.	5.8	25
78	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> , 2014, 130, 178-187.	3.9	24
79	Judd-Ofelt analysis of spectroscopic properties of Sm ³⁺ doped P ₂ O ₅ -SrO glasses. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 12132-12138.	2.2	24
80	The influence of fluorine and nickel ions on the structural, spectroscopic, and optical properties of (100-x)(15NaF-5CaF ₂ -80B ₂ O ₃)-xNiO glasses. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 8662-8668.	3.2	24
81	Comparative shielding behavior of binary PbO-B ₂ O ₃ and Bi ₂ O ₃ -B ₂ O ₃ 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> , 2021, 572, 121090.	3.1	24
82	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> , 2014, 131, 497-501.	3.9	23
83	Role of Silica Nanoparticles on Structural, Optical and Morphological Properties of Poly(Vinyl Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	3.8	23
84	Structural and optical absorption studies on Cr ₂ O ₃ doped SrO-P ₂ O ₅ glasses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 228, 117840.	3.9	23
85	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
86	A.C conductivity and dielectric properties of CoO doped SrO-P ₂ O ₅ glasses. <i>Physica B: Condensed Matter</i> , 2019, 573, 22-27.	2.7	22
87	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
88	Effect of zinc oxide nanoparticles on physical properties of carboxymethyl cellulose/ poly (ethylene Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.7	22
89	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
90	Bismuth silicate glass as host media for some selected rare-earth ions and effects of gamma irradiation. <i>Philosophical Magazine</i> , 2013, 93, 2465-2484.	1.6	21

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91	Optical character inquest of cobalt containing fluoroborate glass. <i>Optik</i> , 2017, 142, 125-133.	2.9	21
92	Structureâ€“dynamic properties relationships in poly(ethylene oxide)/silicon dioxide nanocomposites: dielectric relaxation study. <i>Polymer Bulletin</i> , 2021, 78, 5205-5223.	3.3	21
93	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
94	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> , 2019, 11, 197-208.	3.3	20
95	The influence of Ba ²⁺ and Sr ²⁺ ions with the Dy ³⁺ ions on the optical properties of lead borate glasses: experimental and Juddâ€“Ofelt comparative study. <i>Journal of Materials Research and Technology</i> , 2020, 9, 59-66.	5.8	19
96	Design a tunable glasses optical filters using CuO doped fluoroborate glasses. <i>Optics and Laser Technology</i> , 2021, 137, 106829.	4.6	19
97	Optical character enrichment of NdF ₃ â€“ doped lithium fluoroborate glasses. <i>Journal of Non-Crystalline Solids</i> , 2016, 453, 16-22.	3.1	18
98	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
99	Mixed modifier effect in lithium manganese metaphosphate glasses on the emission of highly dispersed Mn ²⁺ centers for red-LED. <i>Ceramics International</i> , 2021, 47, 32424-32432.	4.8	18
100	Thermal, Structural, and Morphological Investigations of Modified Bismuth Silicate Glass-Ceramics. <i>Silicon</i> , 2017, 9, 239-248.	3.3	17
101	Structure and Electrical Properties of Iron Borosilicate Glasses. <i>Silicon</i> , 2017, 9, 895-900.	3.3	17
102	Compatibility and bone bonding efficiency of gamma irradiated Hench's Bioglass-Ceramics. <i>Ceramics International</i> , 2018, 44, 7034-7041.	4.8	17
103	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
104	Preconcentration of Lead in Blood and Urine Samples Among Bladder Cancer Patients Using Mesoporous Strontium Titanate Nanoparticles. <i>Biological Trace Element Research</i> , 2020, 193, 100-110.	3.5	17
105	Structural, Optical, Thermal, Morphological and Electrical Studies of PEMA/PMMA Blend Filled with CoCl ₂ and LiBr As Mixed Filler. <i>Journal of Electronic Materials</i> , 2020, 49, 6107-6122.	2.2	17
106	Selenium nanoparticles and quercetin suppress thioacetamideâ€“induced hepatocellular carcinoma in rats: Attenuation of inflammation involvement. <i>Journal of Biochemical and Molecular Toxicology</i> , 2022, 36, e22989.	3.0	17
107	On Y ₂ O ₃ â€“Li ₂ Oâ€“Al ₂ O ₃ â€“B ₂ O ₃ glasses: synthesis, structure, physical, optical characteristics and gamma-ray shielding behavior. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 16242-16254.	2.2	16
108	<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

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109	Gravitoelectrostatic excitations in an opposite polarity complex plasma. <i>Physics of Plasmas</i> , 2019, 26, 063701.	1.9	15
110	Novel Er ³⁺ doped heavy metals-oxyfluorophosphate glass as a blue emitter. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	3.3	15
111	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
112	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
113	Structural studies and physical properties of Gd ₂ O ₃ -doped borate glass. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 14642-14653.	2.2	14
114	AC conductivity and dielectric properties of Cr ₂ O ₃ doped SrO-P ₂ O ₅ glasses. <i>Physica B: Condensed Matter</i> , 2021, 618, 413184.	2.7	14
115	New Transparent Nano-Glass-Ceramics of SiO ₂ and CaF ₂ doped SrO-B ₂ O ₃ Glass. <i>Silicon</i> , 2016, 8, 563-571.	3.3	13
116	Compatibility and Bone Bonding Efficiency of Gamma Irradiated Hench's Bioglass. <i>Silicon</i> , 2018, 10, 1533-1541.	3.3	13
117	Gamma rays Interactions with Bismuth Phosphate Glasses Doped with 3d Transition Metal Oxides. <i>Silicon</i> , 2018, 10, 891-899.	3.3	13
118	Structural Investigation of PVC/PS Polymer Blend Doped with Nanosilica from a Renewable Source. <i>Silicon</i> , 2018, 10, 1013-1019.	3.3	13
119	Gamma Irradiation Effect on Structural and Spectral Properties of CeO ₂ , Nd ₂ O ₃ , Gd ₂ O ₃ or Dy ₂ O ₃ Doped Strontium Borate Glass. <i>Silicon</i> , 2018, 10, 29-37.	3.3	13
120	Preparation, physical, structural, optical characteristics, and gamma-ray shielding features of CeO ₂ containing bismuth barium borate glasses. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 20060-20071.	2.2	13
121	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
122	Modeling and Physical Properties of Lead Sulphide/Polyvinyl Alcohol Nano-Composite. <i>Quantum Matter</i> , 2016, 5, 257-262.	0.2	13
123	Gamma Rays Interactions with Strontium Borate Glasses Doped with First-Row Transition Metal Oxides. <i>The Open Spectroscopy Journal</i> , 2014, 8, 1-8.	1.0	13
124	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
125	The effect of Li ₂ O and LiF on structural properties of cobalt doped borate glasses. <i>Journal of King Saud University - Science</i> , 2017, 29, 510-516.	3.5	12
126	Structural and Optical Correlation of Gamma-Irradiated 3d Transition Metals-Doped Lithium Disilicate Glasses. <i>Silicon</i> , 2015, 7, 409-417.	3.3	11

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127	V ₂ O ₅ /SiO ₂ as a Heterogeneous Catalyst in the Synthesis of bis(indolyl)methanes Under Solvent Free Condition. Silicon, 2018, 10, 703-708.	3.3	11
128	Characterization of Invert Soda Lime Silica Glasses Containing High Titania Content Together with their Glass Ceramics. Silicon, 2018, 10, 1035-1043.	3.3	11
129	Performance Enhancement of Chitosan Filled Silver Vanadate Nano-rods. Journal of Inorganic and Organometallic Polymers and Materials, 2019, 29, 901-907.	3.7	11
130	V ₂ O ₅ based quadruple nano-epirovskite as a new catalyst for the synthesis of bis and tetrakis heterocyclic compounds. Applied Organometallic Chemistry, 2019, 33, e4783.	3.5	11
131	Structural role of chromium sulfate in modified borate glasses and glass ceramics. Materialia, 2021, 16, 101095.	2.7	11
132	Enhanced Electrical Conductivity and Dielectric Performance of Ternary Nanocomposite Film of PEMA/PS/Silver NPs Synthesized by Laser Ablation. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 2269-2278.	3.7	11
133	Solid-phase extraction of Cu ²⁺ and Pb ²⁺ from waters using new thermally treated chitosan/polyacrylamide thin films; adsorption kinetics and thermodynamics. International Journal of Environmental Analytical Chemistry, 2017, 97, 965-982.	3.3	10
134	Dosimetric behavior of modified borate bioglass containing copper for low photon dose measurements using luminescence characteristics. Journal of Materials Science: Materials in Electronics, 2020, 31, 20452-20459.	2.2	10
135	Effect of addition of a mixed filler of CoCl ₂ and LiBr into PEMA and its morphological, thermal and electrical properties. Bulletin of Materials Science, 2020, 43, 1.	1.7	10
136	Inspection of Radiation Shielding Proficiency and Effect of Gamma-Ray on ESR and Thermal Characteristics of Copper Oxide Modified Borate Bioglasses. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 3204-3219.	3.7	10
137	Structural, Optical, Mechanical and Antibacterial Properties of MgO/Poly(Vinyl Acetate)/Poly(Vinyl Tj ETQq1 1 0.784314 rgBT /Overlock	1.4	10
138	Dielectric, electrical and spectroscopic properties of barium borates of low WO ₃ content. Journal of Materials Science: Materials in Electronics, 2015, 26, 5120-5128.	2.2	9
139	Synthesis and Spectral Properties of Nd ₂ O ₃ -Doped Sodium Silicophosphate Glass. Silicon, 2016, 8, 325-330.	3.3	9
140	Dust acoustic cnoidal waves in a polytropic complex plasma. Physics of Plasmas, 2018, 25, .	1.9	9
141	Bone bonding augmentation and synergetic attitude of gamma-irradiated modified borate bioglass. Radiation Physics and Chemistry, 2020, 176, 109018.	2.8	9
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