N Veeraiah

List of Publications by Year
in descending order

320 papers	8,944 citations	38660 50 h-index	106150 65 g-index
322 all docs	322 docs citations	322 times ranked	2921 citing authors

#	Article	IF	Citations
1	Study of CaOâ€“WO3â€“P2O5 glass system by dielectric properties, IR spectra and differential thermal analysis. Journal of Non-Crystalline Solids, 2002, 298, 89-98.	1.5	163
2	Optical absorption and fluorescence spectral studies of Ho3+ ions in PbOâ€“Al2O3â€“B2O3 glass system. Journal of Physics and Chemistry of Solids, 2000, 61, 1567-1571.	1.9	115
3	Influence of redox behavior of copper ions on dielectric and spectroscopic properties of Li2Oâ€“MoO3â€“B2O3: CuO glass system. Solid State Sciences, 2009, 11, 578-587.	1.5	115
4	Characterization and Physical Properties of PbOâ€“As2O3 Glasses Containing Molybdenum Ions. Journal of Solid State Chemistry, 2002, 166, 104-117.	1.4	98
5	Influence of modifier oxide on spectroscopic and thermoluminescence characteristics of Sm3+ ion in antimony borate glass system. Journal of Luminescence, 2008, 128, 1791-1798.	1.5	94
6	Spectroscopic studies of titanium ions in PbOâ€“Sb2O3â€“As2O3 glass system. Optics Communications, 2004, 235, 341-349.	1.0	90
7	Structural investigations on PbOâ€“Sb₂O₃â€“B₂O₃:CoO glass ceramics by means of spectroscopic and dielectric studies. Journal of Physics Condensed Matter, 2009, 21, 245104.	0.7	90
8	Structural influence of aluminium, gallium and indium metal oxides by means of dielectric and spectroscopic properties of CaOâ€“Sb2O3â€“B2O3 glass system. Journal of Alloys and Compounds, 2007, 438, 41-51.	2.8	84
9	Optical and structural investigation of Eu3+ ions in Nd3+ co-doped magnesium lead borosilicate glasses. Journal of Alloys and Compounds, 2013, 557, 209-217.	2.8	84
10	Influence of tungsten on the emission features of Nd3+, Sm3+ and Eu3+ ions in ZnF2â€“WO3â€“TeO2 glasses. Journal of Alloys and Compounds, 2010, 508, 278-291.	2.8	83
11	Influence of Al3+ ions on luminescence efficiency of Eu3+ ions in barium boro-phosphate glasses. Journal of Non-Crystalline Solids, 2015, 419, 75-81.	1.5	83
12	Spectroscopic and magnetic studies of manganese ions in ZnOâ€“Sb2O3â€“B2O3 glass system. Journal of Physics and Chemistry of Solids, 2006, 67, 789-795.	1.9	80
13	The structural influence of chromium ions in lead gallium phosphate glasses by means of spectroscopic studies. Optical Materials, 2007, 30, 357-363.	1.7	80
14	Photostimulated optical effects and some related features of CuO mixed Li2Oâ€“Nb2O5â€“ZrO2â€“SiO2 glass ceramics. Ceramics International, 2011, 37, 2763-2779.	2.3	80
15	Valence and coordination of chromium ions in ZnO-Sb2O3-B2O3glass system by means of spectroscopic and dielectric relaxation studies. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 816-832.	0.8	79
16	Characterization and physical properties of Li2Oâ€“CaF2â€“P2O5 glass ceramics with Cr2O3 as a nucleating agentâ€”Physical properties. Journal of Solid State Chemistry, 2007, 180, 2747-2755.	1.4	77
17	Spectroscopic and dielectric studies on MnO doped PbOâ€“Nb2O5â€“P2O5 glass system. Journal of Alloys and Compounds, 2008, 458, 66-76.	2.8	75
18	Physical properties of ZnF2â€“As2O3â€“TeO2 glasses doped with Cr3+ ions. Physica B: Condensed Matter, 2002, 324, 127-141.	1.3	74

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19	Study on some physical properties of Li2Oâ€“MOâ€“B2O3: V2O5 glasses. Physica B: Condensed Matter, 2004, 348, 256-271.	1.3	74
20	Nickel ion as a structural probe in PbOâ€“Bi2O3â€“B2O3 glass system by means of spectroscopic and dielectric studies. Physica B: Condensed Matter, 2008, 403, 3751-3759.	1.3	73
21	Influence of aluminum ions on fluorescent spectra and upconversion in codoped CaF2â€“Al2O3â€“P2O5â€“SiO2:Ho3+ and Er3+ glass system. Journal of Applied Physics, 2010, 108, .	1.1	72
22	The role of iron ions on the structure and certain physical properties of PbOâ€“As2O3 glasses. Journal of Physics and Chemistry of Solids, 2002, 63, 705-717.	1.9	71
23	Dielectric and spectroscopic properties of PbO-Nb2O5-P2O5:V2O5glass system. Physica Status Solidi (A) Applications and Materials Science, 2006, 203, 2083-2102.	0.8	69
24	The role of titanium ions on structural, dielectric and optical properties of Li2Oâ€“MgOâ€“B2O3 glass system. Materials Chemistry and Physics, 2004, 87, 357-369.	2.0	68
25	The structural investigations of PbOâ€“P2O5â€“Sb2O3 glasses with MoO3 as additive by means of dielectric, spectroscopic and magnetic studies. Physica B: Condensed Matter, 2007, 393, 61-72.	1.3	66
26	Dielectric dispersion in ZnF2-Bi2O3-TeO2 glass system. Journal of Materials Science, 2001, 36, 5625-5632.	1.7	65
27	Studies on the influence of V2O5 on dielectric relaxation and ac conduction phenomena of Li2Oâ€“MgOâ€“B2O3 glass system. Journal of Alloys and Compounds, 2004, 368, 25-37.	2.8	65
28	Spectroscopic, magnetic and dielectric investigations of BaO-Ga2O3-P2O5 glasses doped by Cu ions. Physica Status Solidi A, 2005, 202, 2812-2828.	1.7	65
29	Optical and thermoluminescence properties of R2Oâ€“RFâ€“B2O3 glass systems doped with MnO. Journal of Non-Crystalline Solids, 2005, 351, 3752-3759.	1.5	65
30	Optical absorption and photoluminescence properties of Eu3+-doped ZnF2â€“PbOâ€“TeO2 glasses. Journal of Materials Science, 1998, 33, 2659-2662.	1.7	63
31	Spectroscopic properties and luminescence behaviour of europium doped lithium borate glasses. Physica B: Condensed Matter, 2014, 454, 148-156.	1.3	62
32	Spectroscopic features of Pr3+, Nd3+, Sm3+ and Er3+ ions in Li2Oâ€“MO (Nb2O5, MoO3 and WO3)â€“B2O3 glass systems. Physica B: Condensed Matter, 2008, 403, 2542-2556.	1.3	61
33	Studies on influence of aluminium ions on the bioactivity of B2O3â€“SiO2â€“P2O5â€“Na2Oâ€“CaO glass system by means of spectroscopic studies. Applied Surface Science, 2013, 287, 46-53.	3.1	61
34	Influence of WO3 on some physical properties of MOâ€“Sb2O3â€“B2O3 (M=Ca, Pb and Zn) glass system. Journal of Alloys and Compounds, 2009, 485, 876-886.	2.8	60
35	Dielectric dispersion in Li2Oâ€“MoO3â€“B2O3 glass system doped with V2O5. Journal of Alloys and Compounds, 2008, 464, 472-482.	2.8	58
36	Specific features of photo and thermoluminescence of Tb3+ ions in BaOâ€“M2O3 (M=Ga, Al, In)â€“P2O5 glasses. Journal of Luminescence, 2007, 127, 637-644.	1.5	57

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37	Effect of alkali-earth modifier ion on electrical, dielectric and spectroscopic properties of Fe2O3 doped Na2SO4MOP2O5 glass system. Journal of Alloys and Compounds, 2014, 604, 352-362.	2.8	57
38	Role of titanium valence states in optical and electronic features of PbOâ€“Sb2O3â€“B2O3:TiO2 glass alloys. Journal of Alloys and Compounds, 2009, 482, 283-297.	2.8	56
39	Study on various physical properties of PbOâ€“As2O3 glasses containing manganese ions. Journal of Alloys and Compounds, 2001, 327, 52-65.	2.8	55
40	Dielectric dispersion in the PbOâ€“MoO3â€“B2O3 glass system. Solid State Communications, 2004, 132, 235-240.	0.9	55
41	Nickel ionâ€”A structural probe in BaOâ€“Al2O3â€“P2O5 glass system by means of dielectric, spectroscopic and magnetic studies. Journal of Physics and Chemistry of Solids, 2006, 67, 2478-2488.	1.9	55
42	Dielectric, magnetic and spectroscopic properties of Li2Oâ€“WO3â€“P2O5 glass system with Ag2O as additive. Materials Chemistry and Physics, 2008, 111, 283-292.	2.0	55
43	Role of nickel ion coordination on spectroscopic and dielectric properties of ZnF2â€“As2O3â€“TeO2:NiO glass system. Journal of Non-Crystalline Solids, 2011, 357, 1193-1202.	1.5	55
44	De-quenching influence of aluminum ions on Y/B ratio of Dy3+ ions in lead silicate glass matrix. Journal of Alloys and Compounds, 2013, 575, 375-381.	2.8	55
45	Dielectric dispersion and certain other physical properties of PbOâ€“Ga2O3â€“P2O5 glass system. Materials Letters, 2002, 56, 880-888.	1.3	54
46	Optical absorption and fluorescence properties of Er3+ ion in MOâ€“WO3â€“P2O5 glasses. Journal of Physics and Chemistry of Solids, 2003, 64, 1027-1035.	1.9	53
47	Role of Al2O3 in upconversion and NIR emission in Tm3+ and Er3+ codoped calcium fluoro phosphorous silicate glass system. Journal of Luminescence, 2011, 131, 1443-1452.	1.5	53
48	Dielectric relaxation and a.c. conduction phenomena of PbOâ€“PbF2â€“B2O3 glasses doped with FeO. Journal of Physics and Chemistry of Solids, 2006, 67, 2263-2274.	1.9	52
49	Fluorescence features of Sm3+ ions in Na2SO4â€“MOâ€“P2O5 glass systemâ€”Influence of modifier oxide. Journal of Luminescence, 2011, 131, 212-217.	1.5	52
50	Electrical and spectroscopic properties of Fe2O3 doped Na2SO4â€“BaOâ€“P2O5 glass system. Journal of Non-Crystalline Solids, 2012, 358, 3255-3267.	1.5	52
51	Dielectric properties of ZnF2-PbO-TeO2 glasses. Journal of Physics and Chemistry of Solids, 1998, 59, 91-97.	1.9	51
52	Structural role of In2O3 in PbOâ€“P2O5â€“As2O3 glass system by means of spectroscopic and dielectric studies. Journal of Alloys and Compounds, 2007, 431, 303-312.	2.8	51
53	Spectroscopic properties of copper ions in ZnOâ€“ZnF2â€“B2O3 glasses. Optical Materials, 2007, 29, 1467-1474.	1.7	51
54	Microstructural, dielectric and spectroscopic properties of Li2Oâ€“Nb2O5â€“ZrO2â€“SiO2 glass system crystallized with V2O5. Journal of Physics and Chemistry of Solids, 2011, 72, 190-200.	1.9	50

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55	Role of manganese ions on the stability of ZnF2â€“P2O5â€“TeO2 glass system by the study of dielectric dispersion and some other physical properties. Journal of Physics and Chemistry of Solids, 2003, 64, 133-146.	1.9	49
56	Studies on dielectric properties of LiFâ€“Sb2O3â€“B2O3:CuO glass system. Materials Chemistry and Physics, 2005, 91, 381-390.	2.0	49
57	Role of Al coordination in barium phosphate glasses on the emission features of Ho3+ ion in the visible and IR spectral ranges. Journal of Luminescence, 2010, 130, 498-506.	1.5	47
58	Thermoluminescence studies on Li2Oâ€“CaF2â€“B2O3 glasses doped with manganese ions. Materials Letters, 2002, 57, 403-408.	1.3	46
59	Influence of Bi3+ ions on the amplification of 1.3 Î¼m emission of Pr3+ ions in lead silicate glasses for the applications in second telecom window communications. Journal of Luminescence, 2017, 182, 312-322.	1.5	46
60	The improved glass-forming ability and some physical properties of PbOâ€“Sb2O3:Cr2O3 glasses with As2O3 as additive. Physica Status Solidi A, 2003, 199, 389-402.	1.7	44
61	Structural features of MoO3 doped sodium sulpho borophosphate glasses by means of spectroscopic and dielectric dispersion studies. Journal of Molecular Structure, 2012, 1016, 39-46.	1.8	44
62	Influence of Crystallization on the Luminescence Characteristics of Pr³⁺ Ions in PbOâ€“Sb₂O₃â€“B₂O₃ Glass System. Journal of the American Ceramic Society, 2010, 93, 2004-2011.	1.9	43
63	Dielectric and Spectroscopic properties of CuO doped multi-component Li2OPbOB2O3SiO2Bi2O3Al2O3 glass system. Journal of Non-Crystalline Solids, 2013, 370, 21-30.	1.5	43
64	Study on certain physical properties of R2Oâ€“CaF2â€“B2O3:Cr2O3 glasses. Journal of Alloys and Compounds, 2002, 339, 54-64.	2.8	42
65	Optical absorption and thermoluminescence properties of ZnF2â€“MOâ€“TeO2 (MO=As2O3, Bi2O3 and) Tj ETQq1 1 0.784314 rgBT	1.5	42
66	The structural role of chromium ions on the improvement of insulating character of ZnOâ€“ZnF2â€“B2O3 glass system by means of dielectric, spectroscopic and magnetic properties. Physica B: Condensed Matter, 2006, 373, 297-305.	1.3	42
67	Induced crystallization and physical properties of Li2Oâ€“CaF2â€“P2O5:TiO2 glass system. Journal of Alloys and Compounds, 2008, 450, 486-493.	2.8	42
68	The role of coordination and valance states of tungsten ions on some physical properties of Li2Oâ€“Al2O3â€“ZrO2â€“SiO2 glass system. Journal of Non-Crystalline Solids, 2011, 357, 3094-3102.	1.5	42
69	Influence of valence and coordination of manganese ions on spectral and dielectric features of Na2SO4â€“B2O3â€“P2O5 glasses. Journal of Non-Crystalline Solids, 2012, 358, 1278-1286.	1.5	42
70	Dielectric Dispersion in CuO Doped ZnF2â€“PbOâ€“TeO2 Glasses. Journal De Physique III, 1997, 7, 951-961.	0.3	41
71	The role of As2O3 on the stability and some physical properties of PbOâ€“Sb2O3 glasses. Journal of Physics and Chemistry of Solids, 2004, 65, 1153-1164.	1.9	41
72	Electrical, dielectric and spectroscopic studies on MnO doped Liâ€“Agâ€“B2O3 glasses. Journal of Applied Physics, 2012, 111, .	1.1	41

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73	Influence of modifier oxide on emission features of Dy 3+ ion in Pb 3 O 4 â€'ZnOâ€'P 2 O 5 glasses. Optical Materials, 2016, 60, 594-600.	1.7	41
74	Optical properties of Sm3+ doped strontium bismuth borosilicate glasses for laser applications. Optical Materials, 2019, 89, 68-79.	1.7	41
75	The structural role of tungsten ions in PbOâ€“Sb2O3â€“As2O3 glass-system by means of spectroscopic investigations. Materials Chemistry and Physics, 2006, 100, 211-216.	2.0	40
76	Influence of copper ions on thermoluminescence characteristics of CaF2â€“B2O3â€“P2O5 glass system. Ceramics International, 2014, 40, 3707-3713.	2.3	40
77	Bioactivity studies on TiO2-bearing Na2Oâ€“CaOâ€“SiO2â€“B2O3 glasses. Materials Science and Engineering C, 2015, 57, 240-248.	3.8	40
78	Luminescence properties of Sm3+ ions doped heavy metal oxide tellurite-tungstate-antimonate glasses. Ceramics International, 2017, 43, 16467-16473.	2.3	40
79	Dielectric and spectroscopic investigations of lithium aluminium zirconium silicate glasses mixed with TiO₂. Philosophical Magazine, 2011, 91, 958-980.	0.7	39
80	Luminescence properties of Pr3+ doped Li2Oâ€“MOâ€“B2O3 glasses. Journal of Luminescence, 2015, 161, 147-153.	1.5	39
81	Dielectric dispersion and ac conduction phenomena of Li2Oâ^'Sb2O3â^'PbOâ^'GeO2:Cr2O3 glass system. Materials Science in Semiconductor Processing, 2015, 35, 96-108.	1.9	39
82	Effect of ZrO2 on the bioactive properties of B2O3â€“SiO2â€“P2O5â€“Na2Oâ€“CaO glass system. Journal of Non-Crystalline Solids, 2016, 452, 23-29.	1.5	39
83	Studies on dielectric dispersion, relaxation kinetics and a.c. conductivity of Na2O CuO SiO2 glasses mixed with Bi2O3-Influence of redox behavior of copper ions. Journal of Alloys and Compounds, 2017, 696, 1260-1268.	2.8	39
84	Spectroscopic and dielectric properties of ZnF2â€“As2O3â€“TeO2 glass system doped with V2O5. Physica B: Condensed Matter, 2009, 404, 1450-1464.	1.3	38
85	Influence of yttrium ions on the emission transfer features of Ce3+/Yb3+ co-doped lithium silicate glasses. Optical Materials, 2012, 34, 1381-1388.	1.7	38
86	Amplification of green emission of Ho3+ ions in lead silicate glasses by sensitizing with Bi3+ ions. Journal of Alloys and Compounds, 2016, 683, 114-122.	2.8	38
87	Infrared spectral investigations on ZnF2-PbO-TeO2 glasses. Journal of Materials Science Letters, 1997, 16, 1816-1818.	0.5	37
88	Dielectric properties of NaF-B2O3 glasses doped with certain transition metal ions. Bulletin of Materials Science, 2000, 23, 285-293.	0.8	37
89	Spectroscopic features of Ni2+ ion in PbOâ€“Bi2O3â€“SiO2 glass system. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 141, 263-271.	2.0	37
90	Spectroscopic and structural properties of Cr 3+ ions in lead niobium germanosilicate glasses. Journal of Luminescence, 2017, 183, 17-25.	1.5	37

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91	Induced crystallization and physical properties of Li2Oâ€“CaF2â€“P2O5:TiO2 glass system. Journal of Alloys and Compounds, 2008, 450, 477-485.	2.8	36
92	Spectroscopic investigations on ZnF2â€“MOâ€“TeO2 (MO=ZnO, CdO and PbO) glasses doped with chromium ions. Journal of Quantitative Spectroscopy and Radiative Transfer, 2005, 90, 97-113.	1.1	35
93	Spectroscopic and dielectric studies on PbOâ€“MoO₃â€“B₂O₃glasses incorporating small concentrations of TiO₂. Philosophical Magazine, 2007, 87, 5763-5787.	0.7	35
94	Influence of modifier oxides on some physical properties of antimony borate glass system doped with V2O5. Materials Chemistry and Physics, 2010, 120, 89-97.	2.0	35
95	Fe concentration dependent transport properties of Liâ€“Aglâ€“B2O3 glass system. Journal of Alloys and Compounds, 2010, 507, 391-398.	2.8	35
96	Spectroscopy features of Pr3+ and Er3+ ions in Li2Oâ€“ZrO2â€“SiO2 glass matrices mixed with some sesquioxides. Journal of Alloys and Compounds, 2011, 509, 9230-9239.	2.8	35
97	Emission characteristics of Dy3+ ions in lead antimony borate glasses. Applied Physics B: Lasers and Optics, 2012, 108, 455-461.	1.1	35
98	Optical and structural investigation of Dy3+â€“Nd3+ co-doped in magnesium lead borosilicate glasses. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 118, 744-751.	2.0	35
99	Dielectric properties of LiF single crystals X-ray irradiated under d.c. fields. Journal of Materials Science, 1987, 22, 2017-2022.	1.7	34
100	glasses doped with Er3+ ions. Journal of Luminescence, 2004, 109, 193-205.	1.5	33
101	Optical absorption and thermoluminescence studies on LiFâ€“Sb2O3â€“B2O3 glasses doped with Ni2+ ions. Journal of Luminescence, 2006, 117, 53-60.	1.5	33
102	Dc field induced optical effects in ZnF2â€“PbOâ€“TeO2:TiO2 glass ceramics. Ceramics International, 2012, 38, 2551-2562.	2.3	33
103	The role of ligand coordination on the spectral features of Yb3+ ions in lead aluminum silicate glasses. Journal of Molecular Structure, 2012, 1007, 185-190.	1.8	33
104	Influence of ligand coordination of cobalt ions on structural properties of ZnOâ€“ZnF2â€“B2O3 glass system by means of spectroscopic studies. Physica B: Condensed Matter, 2012, 407, 712-718.	1.3	33
105	Influence of Sb2O3 on tellurite based glasses for photonic applications. Journal of Alloys and Compounds, 2016, 687, 898-905.	2.8	33
106	Influence of alumina on photoluminescence and thermoluminescence characteristics of Gd 3+ doped barium borophosphate glasses. Journal of Luminescence, 2016, 179, 44-49.	1.5	33
107	Thermoluminescence study of MnO doped borophosphate glass samples for radiation dosimetry. Journal of Non-Crystalline Solids, 2013, 368, 40-44.	1.5	32
108	Studies on Î³-ray induced structural changes in Nd3+ doped lead alumino silicate glasses by means of thermoluminescence for dosimetric applications in high dose ranges. Journal of Alloys and Compounds, 2014, 616, 257-262.	2.8	32

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109	Acoustic investigations on PbO-Al2O3-B2O3 glasses doped with certain rare earth ions. Bulletin of Materials Science, 2001, 24, 63-68.	0.8	31
110	Luminescence quenching by manganese ions in MOâ€“CaF2â€“B2O3 glasses. Optical Materials, 2003, 22, 295-302.	1.7	31
111	Spectroscopic properties of MO-WO3-P2O5: Ho3+glasses. EPJ Applied Physics, 2004, 26, 169-176.	0.3	31
112	Piezoelectric and elastic properties of ZnF2â€“PbOâ€“TeO2: TiO2 glass ceramics. Journal of Non-Crystalline Solids, 2012, 358, 702-710.	1.5	31
113	Role of modifier oxide in emission spectra and kinetics of Erâ€“Ho codoped Na2SO4â€“MOâ€“P2O5 glasses. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 86, 472-480.	2.0	31
114	Influence of Al declustering on the photoluminescent properties of Pr3+ ions in PbOâ€“SiO2 glasses. Journal of Non-Crystalline Solids, 2013, 362, 201-206.	1.5	31
115	Influence of Al3+ ions on self up-conversion in Ho3+ doped lead silicate glasses. Optical Materials, 2014, 36, 1189-1196.	1.7	31
116	The Effect of Tungsten Ions on the Structure of PbO-As2O3 Glasses. Physica Status Solidi A, 2002, 191, 370-386.	1.7	30
117	Dielectric properties of PbOâ€“P2O5â€“As2O3 glass system with Ga2O3 as additive. Solid State Communications, 2008, 145, 401-406.	0.9	30
118	Low temperature dielectric dispersion and electrical conductivity studies on Fe2O3 mixed lithium yttrium silicate glasses. Journal of Non-Crystalline Solids, 2012, 358, 3175-3186.	1.5	30
119	The structural influence of aluminium ions on emission characteristics of Sm3+ ions in lead aluminium silicate glass system. Materials Research Bulletin, 2012, 47, 267-273.	2.7	30
120	Optical and structural investigation of Sm3+â€“Nd3+ co-doped in magnesium lead borosilicate glasses. Journal of Physics and Chemistry of Solids, 2013, 74, 410-417.	1.9	30
121	The structural and warm light emission properties of Sm3+/Tb3+ doubly doped strontium bismuth borosilicate glasses for LED applications. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 220, 117097.	2.0	30
122	Dielectric spectra of Li2Oâ€“CaF2â€“P2O5 glasses doped by silver ions. Physica B: Condensed Matter, 2007, 396, 29-40.	1.3	29
123	Study on the influence of TiO2 on the insulating strength of ZnOâ€“ZnF2â€“B2O3 glasses by means of dielectric properties. Solid State Communications, 2006, 139, 64-69.	0.9	28
124	NiOâ€induced crystallization and optical characteristics of Li₂Oâ€“CaF₂â€“P₂O₅ glass system. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 177-187.	0.8	28
125	Physical and spectroscopic properties of multi-component Na2Oâ€“PbOâ€“Bi2O3â€“SiO2 glass ceramics with Cr2O3 as nucleating agent. Optical Materials, 2015, 47, 315-322.	1.7	28
126	Enhancement of the red emission of Eu3+ by Bi3+ sensitizers in yttrium alumino bismuth borosilicate glasses. Journal of Molecular Structure, 2019, 1176, 133-148.	1.8	28

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127	Optical absorption, fluorescence and thermoluminescence properties of ZnF2â€“MOâ€“TeO2 (MO=ZnO,) Tj ETQq1 1 0.784314 rgBT /O	1.5	27
128	Electrical and spectroscopic properties of LiFâ€“Bi2O3â€“P2O5:TiO2 glass system. Materials Chemistry and Physics, 2011, 126, 58-68.	2.0	27
129	Influence of Cr3+ions on the structure and certain physical properties of PbO-As2O3glasses. EPJ Applied Physics, 2001, 16, 11-22.	0.3	27
130	Composition dependence of electrical properties of ZnF2-MO-TeO2 glasses. Bulletin of Materials Science, 2001, 24, 421-429.	0.8	26
131	Fe2O3-induced crystallization and the physical properties of lead arsenate glass system. Journal of Alloys and Compounds, 2009, 468, 466-472.	2.8	26
132	Gamma ray induced changes on vibrational spectroscopic properties of strontium alumino-borosilicate glasses. Vibrational Spectroscopy, 2013, 69, 49-56.	1.2	26
133	The de-clustering influence of aluminum ions on the emission features of Nd3+ ions in PbOâ€“SiO2 glasses. Optics Communications, 2013, 298-299, 135-140.	1.0	26
134	Physical properties of ZnF2â€“PbOâ€“TeO2:TiO2 glass ceramicsâ€“Part III dielectric dispersion and ac conduction phenomena. Ceramics International, 2014, 40, 5989-5996.	2.3	26
135	Structural and electrical properties of zinc tantalum borate glass ceramic. Ceramics International, 2016, 42, 17269-17282.	2.3	26
136	Influence of red lead on the intensity of green and orange emissions of Sm3+ and Ho3+ co-doped ZnOâ€“SrOâ€“P2O5 glass system. Journal of Alloys and Compounds, 2017, 695, 668-681.	2.8	26
137	Thermoluminescence studies on PbOâ€“Sb2O3â€“As2O3 glasses doped with iron ions. Optical Materials, 2007, 29, 566-572.	1.7	25
138	Optically induced effects in nano-crystallized PbOâ€“Sb2O3â€“B2O3:Pr2O3 glasses. Journal of Alloys and Compounds, 2010, 500, 9-15.	2.8	25
139	Insulating and Other Physical Properties of CoOâ€Doped Zinc Oxyfluorideâ€Borate Glassâ€Ceramics. Journal of the American Ceramic Society, 2015, 98, 413-422.	1.9	25
140	Bioactive properties of CuO doped CaF 2 â€’CaOâ€’B 2 O 3 â€’P 2 O 5 â€’MO(M=Ba, Sr, Zn, Mg) glasses. Ceramics International, 2017, 43, 4335-4343.	2.3	25
141	Titanium incorporated Zinc-Phosphate bioactive glasses for bone tissue repair and regeneration: Impact of Ti4+on physico-mechanical and in vitro bioactivity. Ceramics International, 2019, 45, 23715-23727.	2.3	25
142	Effect of DC Field and X-Ray Irradiation on Dielectric Properties of ZnF2â€“PbOâ€“TeO2 Glasses. Physica Status Solidi A, 1995, 147, 601-610.	1.7	24
143	Magnetic properties of PbOâ€“Sb2O3â€“As2O3 glasses containing iron ions. Journal of Magnetism and Magnetic Materials, 2004, 284, 363-368.	1.0	24
144	Molybdenum ion as a structural probe in PbO-Sb2O3-B2O3glass system by means of dielectric and spectroscopic investigations. EPJ Applied Physics, 2007, 37, 203-211.	0.3	24

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145	Influence of modifier oxide on dielectric dispersion and a.c. conduction phenomena of Li2Oâ€“Sb2O3â€“GeO2 glass system. Journal of Non-Crystalline Solids, 2014, 386, 67-75.	1.5	24
146	Effect of tin ions on enhancing the intensity of narrow luminescence line at 311Ânm of Gd3+ ions in Li2OPbOP2O5 glass system. Optical Materials, 2016, 57, 39-44.	1.7	24
147	Luminescence emission features of Nd 3+ ions in PbOâ€“Sb 2 O 3 glasses mixed with Sc 2 O 3 /Y 2 O 3 /HfO 2. Optical Materials, 2017, 69, 181-189.	1.7	24
148	Investigation on silver doped B2O3 â€“ SiO2 â€“ P2O5 â€“ Na2O â€“ CaO bioglass system for biomedical applications. Journal of Alloys and Compounds, 2018, 734, 318-328.	2.8	24
149	Influence of silver ion concentration on dielectric characteristics of Li2O-Nb2O5-P2O5 glasses. Journal of Alloys and Compounds, 2019, 773, 654-665.	2.8	24
150	ZnO incorporated high phosphate bioactive glasses for guided bone regeneration implants: enhancement of inÂvitro bioactivity and antibacterial activity. Journal of Materials Research and Technology, 2021, 15, 633-646.	2.6	24
151	Spectroscopic characterization, conductivity and relaxation anomalies in the Li2Oâ€“MgOâ€“B2O3 glass system: Effect of nickel ions. Journal of Physics and Chemistry of Solids, 2008, 69, 2813-2826.	1.9	23
152	Luminescence spectroscopy of Ti ions in Li2Oâ€“CaF2â€“P2O5 glass ceramics. Journal of Luminescence, 2008, 128, 631-634.	1.5	23
153	Spectral and fluorescent kinetics features of Nd3+ ion in Nb2O5, Ta2O5 and La2O3 mixed lithium zirconium silicate glasses. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 81, 498-503.	2.0	23
154	Fluorescence spectroscopic studies of Mn2+ ions in SrOâ€“Al2O3â€“B2O3â€“SiO2 glass system. Optical Materials, 2013, 35, 402-406.	1.7	23
155	Structural and physical characteristics of Au₂O₃â€doped sodium antimonate glasses â€“ Part I. Journal of the American Ceramic Society, 2019, 102, 1628-1641.	1.9	23
156	Dielectric properties of LiF-B2O3 glasses doped with certain rare earth ions. Bulletin of Materials Science, 1998, 21, 341-347.	0.8	22
157	Acoustic Investigations on LiFâ€“B2O3 Glasses Doped With Certain Rare-Earth Ions. Journal of Materials Science Letters, 1999, 18, 475-478.	0.5	22
158	Influence of Ag2O on some physical properties of LiFâ€“TiO2â€“P2O5 glass system. Journal of Alloys and Compounds, 2009, 479, 549-556.	2.8	22
159	Emission features of Ho3+ ion in Nb2O5, Ta2O5 and La2O3 mixed Li2Oâ€“ZrO2â€“SiO2 glasses. Physica B: Condensed Matter, 2011, 406, 3592-3598.	1.3	22
160	Spectroscopic features of manganese doped tellurite borate glass ceramics. Journal of Physics and Chemistry of Solids, 2013, 74, 229-235.	1.9	22
161	Influence of induced structural changes on thermoluminescence characteristics of Î³-ray irradiated PbOâ€“Al2O3â€“SiO2: Dy3+ glasses. Journal of Molecular Structure, 2014, 1073, 174-180.	1.8	22
162	Enhancement of orange emission of Co 2+ ions with Bi 3+ ions in lead silicate glasses. Journal of Luminescence, 2016, 172, 47-52.	1.5	22

#	Article	IF	Citations
163	Insulating characteristics of zinc niobium borate glassâ€ceramics. Journal of the American Ceramic Society, 2017, 100, 4066-4080.	1.9	22
164	Selective Detection of Trinitrophenol by Amphiphilic Dimethylaminopyridine-Appended Zn(II)phthalocyanines at the Near-Infrared Region. ACS Omega, 2019, 4, 6218-6228.	1.6	22
165	Influence of Chromium Ions on the Dielectric Properties of the PbO-Ga₂O₃-P₂O₅ Glass System. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2007, 62, 315-323.	0.7	21
166	Environment of Fe3+ ion and its influence on dielectric and spectroscopic properties of Pboâ€“Nb2O5â€“P2O5 glasses. Physica B: Condensed Matter, 2007, 389, 213-226.	1.3	21
167	Fluorescence features of Tm3+ ions in PbOâ€“Sb2O3â€“B2O3 glass ceramics. Physica B: Condensed Matter, 2010, 405, 1872-1880.	1.3	21
168	The role of vanadium valence states and coordination on electrical conduction in lithium iodide borate glasses mixed with small concentration of silver iodide. Journal of Non-Crystalline Solids, 2011, 357, 3538-3547.	1.5	21
169	Influence of Y2O3, Sc2O3 and HfO2 dopants on green emission of Er3+ ions in PbOâ€“Sb2O3 glasses. Journal of Luminescence, 2017, 192, 443-451.	1.5	21
170	Spectroscopic, dielectric dispersion and dc conductivity studies of Sb2O3doped lithium fluoro borophosphate glasses mixed with small concentrations of NiO. Journal of Alloys and Compounds, 2018, 752, 179-190.	2.8	21
171	Characterization, optical and luminescence features of cobalt ions in multi-component PbO Al2O3TeO2GeO2SiO2 glass ceramics. Optical Materials, 2019, 88, 289-298.	1.7	21
172	Dielectric dispersion and impedance spectroscopy of NiO doped Li2SO4â€“MgOâ€“P2O5 glass system. Journal of Alloys and Compounds, 2020, 824, 153907.	2.8	21
173	Influence of titanium ions on optical properties of AFâ€“PbOâ€“ glasses. Journal of Quantitative Spectroscopy and Radiative Transfer, 2005, 95, 373-386.	1.1	20
174	Features of the local structural disorder in Li2Oâ€“CaF2â€–P2O5 glassâ€–ceramics with Cr2O3 as nucleating agent. Physica B: Condensed Matter, 2008, 403, 702-710.	1.3	20
175	Cobalt ion as a structural probe in PbOâ€“As2O3 glass ceramics. Solid State Communications, 2010, 150, 9-13.	0.9	20
176	Spectroscopical splitting of Cu ion energy levels in magnesium lead fluoro silicate glasses. Physica B: Condensed Matter, 2012, 407, 593-597.	1.3	20
177	Optical and dielectric features of zinc oxy fluoro borate glass ceramics with TiO2 as crystallizing agent. Ceramics International, 2014, 40, 2249-2260.	2.3	20
178	Influence of modifier oxide on Spectroscopic properties of Ho3+: V4+ co-doped Na2Oâ€“SiO2â€“ZrO2 glasses. Journal of Alloys and Compounds, 2014, 586, 159-168.	2.8	20
179	Optical absorption and photoluminescence properties of Pr3+-doped ZnF2î—¸PbOî—¸TeO2 glasses. Journal of Luminescence, 1997, 75, 57-62.	1.5	19
180	Influence of aluminium ions on physical properties of PbO-P2O5-As2O3glasses. EPJ Applied Physics, 2006, 34, 97-106.	0.3	19

#	Article	IF	Citations
181	Electrical conduction and other related properties of silver ion doped LiFâ€“V2O5â€“P2O5 glass system. Physica B: Condensed Matter, 2010, 405, 668-677.	1.3	19
182	Polaronic behavior of MnO doped LiI-AgI-B2O3 glass. Journal of Applied Physics, 2012, 112, 073705.	1.1	19
183	Spectroscopic and dielectric response of zinc bismuth phosphate glasses as a function of chromium content. Materials Research Bulletin, 2014, 57, 58-66.	2.7	19
184	Transport and spectroscopic properties of nickel ions in ZnO B2O3P2O5 glass system. Optik, 2016, 127, 2920-2923.	1.4	19
185	Concentration dependence of luminescence efficiency of Dy³⁺ ions in strontium zinc phosphate glasses mixed with Pb₃O₄. Luminescence, 2017, 32, 71-77.	1.5	19
186	Physical characteristics of PbOâ^'ZrO 2 â^'SiO 2 :TiO 2 glass ceramics embedded with Pb 2 Ti 2 O 6 cubic pyrochlore crystal phase: Part-I electrical properties. Journal of Alloys and Compounds, 2017, 712, 672-686.	2.8	19
187	Influence of Mn2+ sensitizers on orange-red emission of Pr3+ ions in BaOâ€“Al2O3â€“B2O3â€“SiO2 glass system. Journal of Luminescence, 2017, 190, 379-385.	1.5	19
188	Luminescence characteristics of Er3+ ions in ZnO-Ta2O5/Nb2O5/ZrO2-B2O3 glass system- A case study of energy transfer from ZnO to Er3+ ions. Optical Materials, 2018, 86, 87-94.	1.7	19
189	Influence of alkyl chains on fluoranthene ensembles towards fluorescence-based detection of 2,4,6-trinitrophenol. Applied Surface Science, 2019, 481, 1018-1027.	3.1	19
190	Ag concentration dependent transport properties of LiFâ€“MoO3â€“P2O5 glasses. Physica B: Condensed Matter, 2009, 404, 3748-3755.	1.3	18
191	Influence of local structural disorders on spectroscopic properties of multi-component CaF2â€“Bi2O3â€“P2O5â€–B2O3 glass ceramics with Cr2O3 as nucleating agent. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 153, 281-288.	2.0	18
192	Analysis of red mud doped Bi2O3-B2O3-BaO glasses for application as glass solder in radiation shield repair using MCNPX simulation. Ceramics International, 2019, 45, 7619-7626.	2.3	18
193	Influence of gold ions on visible and NIR luminescence features of Er3+ ions in lead boroselenate glass ceramics. Journal of Luminescence, 2020, 226, 117481.	1.5	18
194	Dielectric characteristics, dipolar relaxation dynamics and ac conductivity of CuO added lithium sulpho-phosphate glass system. Journal of Non-Crystalline Solids, 2020, 543, 120157.	1.5	18
195	Dielectric dispersion in PbOâ€“Sb2O3â€“As2O3:V2O5 glasses. Journal of Physics and Chemistry of Solids, 2005, 66, 954-962.	1.9	17
196	Studies on optimizing sesquioxide contents to enhance luminescence efficiency of Pr3+ ions in PbOâ^'PbF2â^'B2O3 glass system. Journal of Molecular Structure, 2014, 1073, 164-173.	1.8	17
197	Î³-Ray induced thermoluminescence characteristics of the PbOâ€“Al2O3â€“SiO2:Pr3+glass system. Journal of Luminescence, 2015, 161, 417-421.	1.5	17
198	Induced crystallization and the physical properties of PbOâ€“Sb2O3â€“As2O3: MoO3 glass system. Journal of Physics and Chemistry of Solids, 2009, 70, 669-679.	1.9	16

#	Article	IF	Citations
199	Copper ion as a structural probe in lead bismuth arsenate glasses by means of dielectric and spectroscopic studies. Physica B: Condensed Matter, 2010, 405, 4092-4100.	1.3	16
200	Optical absorption, ESR, FT-IR spectral studies of iron ions in lead oxyfluoro silicate glasses. Journal of Molecular Structure, 2012, 1021, 7-12.	1.8	16
201	Spectroscopic properties of Sm3+ and V4+ ions in Na2Oâ€“SiO2â€“ZrO2 glasses. Journal of Molecular Structure, 2013, 1054-1055, 339-348.	1.8	16
202	J-O parameters versus photoluminescence characteristics of 40Li2O-4 MO (MO Nb2O5, MoO3 and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.4	16
203	On identifying efficient modifier oxide in improving bioactivity of Fe2O3 doped calcium oxy fluoro borophosphate glasses. Journal of Alloys and Compounds, 2017, 692, 219-226.	2.8	16
204	Structural and dielectric features of silver doped sodium antimonate glass ceramics. Journal of Alloys and Compounds, 2019, 791, 278-295.	2.8	16
205	Structural and physical characteristics of Au₂O₃â€doped sodium antimonate glasses â€“ Part II electrical characteristics. Journal of the American Ceramic Society, 2019, 102, 1921-1941.	1.9	16
206	Optical absorption and self activated upconversion fluorescence spectra of Tm3+ ions in antimony borate glass systems. Solid State Communications, 2008, 146, 441-445.	0.9	15
207	Spectroscopic and dielectric properties of crystallized PbOâ€“Sb2O3â€“As2O3:NiO glass system. Journal of Alloys and Compounds, 2009, 488, 400-408.	2.8	15
208	Dielectric dispersion and spectroscopic investigations on Na2SO4â€“B2O3â€“P2O5 glasses mixed with low concentrations of TiO2. Journal of Alloys and Compounds, 2012, 515, 134-142.	2.8	15
209	Influence of valence states and co-ordination of cobalt ions on dielectric properties of PbOâ€“Bi2O3â€“As2O3:CoO glass system. Physica B: Condensed Matter, 2012, 407, 581-588.	1.3	15
210	Manifestation of up-conversion in Yb3+/Tm3+ doped Li2Oâ€“Y2O3â€“SiO2 glass system. Applied Physics B: Lasers and Optics, 2013, 110, 335-344.	1.1	15
211	Thermoluminescence features of aluminaâ€mixed borophosphate glasses with Tb 3+ ions for dosimetric applications. International Journal of Applied Glass Science, 2017, 8, 188-195.	1.0	15
212	Copper ion as a structural probe in PbOâ€“CaF2â€“P2O5 glass system by means of spectroscopic and dielectric studies. Journal of Alloys and Compounds, 2009, 472, 489-496.	2.8	14
213	Influence of sesquioxides on fluorescence emission of Yb3+ ions in PbOâ€“PbF2â€“B2O3 glass system. Journal of Non-Crystalline Solids, 2013, 378, 265-272.	1.5	14
214	Positron annihilation exploration of voids in zinc zirconium borate glass ceramics entrenched with ZnZrO3 perovskite crystal phases. Journal of the European Ceramic Society, 2018, 38, 2010-2016.	2.8	14
215	Influence of ZrO2 Addition on Structural and Biological Activity of Phosphate Glasses for Bone Regeneration. Materials, 2020, 13, 4058.	1.3	14
216	Elastic properties of ZnF2-PbO-TeO2 glasses doped with certain rare earth ions. Bulletin of Materials Science, 1997, 20, 667-675.	0.8	13

#	Article	IF	Citations
217	Investigation on spectral features of tungsten ions in PbOâ€“Bi2O3â€“As2O3 glass matrix. Physica B: Condensed Matter, 2011, 406, 4494-4499.	1.3	13
218	Dosimetric and kinetic parameters of lithium cadmium borate glasses doped with rare earth ions. Journal of Radiation Research and Applied Sciences, 2014, 7, 519-525.	0.7	13
219	Enrichment of orange emission of Er3+ ion with Sn4+ ion as sensitizer in lithium lead phosphate glass system. Optical Materials, 2015, 48, 51-58.	1.7	13
220	Improving green emission of Tb³⁺ ions in BaOâ€B₂O₃â€P₂O₅ glasses by means of Al³⁺ ions. Luminescence, 2016, 31, 1358-1363.	1.5	13
221	Physical characteristics of PbOâ^'ZrO2â^'SiO2:TiO2 glass ceramics embedded with Pb2Ti2O6 cubic pyrochlore crystal phase: Part-IIÂpiezo-optical acoustic and elastic properties. Journal of Alloys and Compounds, 2017, 725, 318-325.	2.8	13
222	Dielectric features, relaxation dynamics and a.c. conductivity studies on Ag+ mixed lead arsenate glass ceramics. Journal of Materials Science: Materials in Electronics, 2018, 29, 1153-1172.	1.1	13
223	Fluorescence studies of Yb3+ ions in lead antimony borate glassâ€"Influence of crystallization. Journal of Alloys and Compounds, 2010, 492, 706-711.	2.8	12
224	The energy transfer efficiency from Yb 3+ to Nd 3+ in SrO Pb 3 O 4 ZnO P 2 O 5 glass system-Influence of lead ions. Journal of Luminescence, 2017, 187, 281-289.	1.5	12
225	Optical Absorption and Photoluminescence Properties of Tb3+-doped KF-B2O3 Glasses. Journal of Materials Science Letters, 1999, 18, 55-57.	0.5	11
226	Optical and magnetic properties of PbOâ€“Sb2O3â€“As2O3 glasses containing vanadium ions. Materials Letters, 2005, 59, 539-545.	1.3	11
227	Spectroscopic and dielectric studies of meso-tetrakis(p-sulfonatophenyl) porphyrin doped hybrid borate glasses. Journal of Alloys and Compounds, 2011, 509, 2797-2803.	2.8	11
228	The influence of In2O3 on electrical characteristics of iron mixed Li2Oâ€“PbOâ€“B2O3â€“SiO2â€“Bi2O3 multi-component glass system. Ceramics International, 2014, 40, 8311-8322.	2.3	11
229	Luminescence and spectroscopic properties of ZnF2â€“MOâ€“TeO2 glasses doped with Ho3+ ions. Journal of Molecular Structure, 2015, 1093, 166-171.	1.8	11
230	Third order nonlinear optical effects of ZnOâ€“ZrO2â€“B2O3 glass ceramics embedded with ZnZrO3 perovskite crystal phases. Journal of Materials Science: Materials in Electronics, 2017, 28, 16403-16414.	1.1	11
231	Dielectric dispersion, dipolar relaxation and a.c. conduction phenomena of NiO doped lead bismuth silicate glass system. Journal of Non-Crystalline Solids, 2018, 500, 460-467.	1.5	11
232	Influence of strontium on structure, bioactivity and corrosion behaviour of B2O3â€“SiO2â€“Na2Oâ€“CaO glasses-investigation by spectroscopic methods. Optical Materials, 2018, 84, 292-300.	1.7	11
233	Energy transfer (Ce3+â†' Sm3+) influence on PL emission of Ce3+/Sm3+ co-doped barium gallium borosilicate glasses. Physica B: Condensed Matter, 2019, 559, 8-16.	1.3	11
234	Influence of iron ions on dielectric properties of the PbOâ€“Bi₂O₃â€“B₂O₃glass system. Philosophical Magazine, 2008, 88, 1601-1614.	0.7	10

#	Article	IF	Citations
235	Influence of Ga3+ ions on spectroscopic and dielectric features of multi component lithium lead boro bismuth silicate glasses doped with manganese ions. Materials Research Bulletin, 2013, 48, 4618-4627.	2.7	10
236	Dielectric and spectroscopic features of ZnOâ€“ZnF2â€“B2O3:MoO3 glass ceramicâ€”a possible material for plasma display panels. Journal of Materials Science: Materials in Electronics, 2014, 25, 4902-4915.	1.1	10
237	Infrared luminescence and thermoluminescence of lithium borate glasses doped with Sm3+ ions. Materials Science-Poland, 2015, 33, 144-151.	0.4	10
238	InÂvitro investigations on CoO doped CaF2CaO B2O3P2O5â^'MO bioactive glasses by means of spectroscopic studies. Optical Materials, 2017, 73, 628-637.	1.7	10
239	Laser stimulated third harmonic generation studies in ZnOâ€“Ta 2 O 5 â€“B 2 O 3 glass ceramics entrenched with Zn 3 Ta 2 O 8 crystal phases. Optical Materials, 2018, 76, 90-96.	1.7	10
240	InÂvitro degradation studies on bioactive calcium fluoroborophosphate glasses mixed with some modifier oxides-influence of therapeutically active vanadium ions. Materials Chemistry and Physics, 2018, 205, 376-390.	2.0	10
241	Spectroscopic and thermal analysis of lead-free multipurpose radiation shielding glasses. Ceramics International, 2019, 45, 5332-5338.	2.3	10
242	Effect of Al3+ ions substitution in novel zinc phosphate glasses on formation of HAp layer for bone graft applications. Colloids and Surfaces B: Biointerfaces, 2020, 185, 110591.	2.5	10
243	A critical study on the magnetic properties of ultrafine cobalt ferrite nanoparticles synthesized by polyethylene glycol assisted solâ€“gel method. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	10
244	Third-order nonlinear optical features of zirconia-added lead silicate glass ceramics embedded with Pb2Fe2O5 perovskite crystal phases and role of Fe ions. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	10
245	Multifunctional hydantoins: recent advances in optoelectronics and medicinal drugs from Academia to the chemical industry. Journal of Materials Chemistry C, 2021, 9, 16341-16377.	2.7	10
246	Dielectric properties of LiF single crystals. Journal of Materials Science, 1981, 16, 2571-2574.	1.7	9
247	Enhanced stokes shift of S2â†'S0 emission and structural investigations of Sn(IV)Porphyrins doped hybrid borate glasses. Journal of Alloys and Compounds, 2012, 513, 318-323.	2.8	9
248	Influence of sesquioxides on luminescence features of Nd3+ ions in PbOâ€“PbF2â€“B2O3 glass system. Physica B: Condensed Matter, 2015, 457, 117-125.	1.3	9
249	Structural influence of Bi3+ ions on physical properties of Na2CuSiO4 glasses photoluminescence and thermoluminescence studies. Journal of Non-Crystalline Solids, 2016, 449, 50-54.	1.5	9
250	Influence of Î³-ray-induced effects on dielectric dispersion of CuO-doped calcium fluoroborophosphate glass system. Ionics, 2016, 22, 1625-1634.	1.2	9
251	Influence of tungsten ion valence states on electrical characteristics of quaternary lithium-antimony-lead-germanate glasses. Journal of Physics and Chemistry of Solids, 2017, 107, 108-117.	1.9	9
252	Synthesis and in vitro characterization of cerium oxide mixed calcium oxy fluoro borophosphate bioactive glasses by means of spectroscopic studies. Journal of Non-Crystalline Solids, 2018, 498, 422-429.	1.5	9

#	Article	IF	Citations
253	Optical absorption and photoluminescence properties of anadium ions in â€˜lithium-tungsten-borateâ€™ oxide glasses. Materials Today: Proceedings, 2018, 5, 26290-26297.	0.9	9
254	Free volume estimation in Au and Ag mixed sodium antimonate glass ceramics by means of positron annihilation. Physica B: Condensed Matter, 2019, 570, 266-273.	1.3	9
255	Laser-stimulated piezo-optical and third harmonic generation studies for Na2Oâ€“Sb2O3 glass ceramics-influence of gold ions. Journal of Materials Science: Materials in Electronics, 2019, 30, 3782-3791.	1.1	9
256	Polaronic conduction and dielectric relaxation dynamics in V2O5 added lead bismuth silicate glass system. Journal of Non-Crystalline Solids, 2020, 528, 119746.	1.5	9
257	Optimized NIR and MIR emission properties of Tm3+/Ho3+ ions in lead sulfo phosphate glasses. Infrared Physics and Technology, 2021, 113, 103617.	1.3	9
258	The impact of Nb2O5 on in-vitro bioactivity and antibacterial activity of CaF2â€“CaOâ€“B2O3â€“P2O5â€“SrO glass system. Ceramics International, 2021, 47, 28328-28337.	2.3	9
259	The role of gold metallic particles on improving green and NIR emissions of Ho3+ ions in non-conventional SeO2 based glass ceramics. Journal of Non-Crystalline Solids, 2022, 576, 121240.	1.5	9
260	Investigations on electrical characteristics of (PbO) 30 (CuO) x (As 2 O 3) (70-x) glass ceramics. Ceramics International, 2017, 43, 6385-6396.	2.3	8
261	Influence of Bi3+ ions on low temperature D.C. conductivity of Na2SiCuO4 glasses. Ionics, 2017, 23, 655-664.	1.2	8
262	Studies on structural characterization and near white light emission through energy transfer between Ce3+ and Tb3+ in barium gallium borosilicate glasses. Journal of Molecular Structure, 2019, 1190, 184-195.	1.8	8
263	Synthesis and studies on magnetic properties of single-phase cobalt ferrite nanoparticles: influence of content of chelating agent. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	8
264	Investigations on Physico-Mechanical and Spectral Studies of Zn2+ Doped P2O5-Based Bioglass System. Journal of Composites Science, 2020, 4, 129.	1.4	8
265	Tuning the Ï€-Conjugation of 2-Thiohydantoins toward a Rigorously Defined Detection of Volatile Organic Compounds by Surface Photovoltage. ACS Applied Electronic Materials, 2022, 4, 2313-2325.	2.0	8
266	Effect of X-ray irradiation on dielectric properties of ZnF2-PbO-TeO2 glasses. Journal of Materials Science Letters, 1994, 13, 1558-1560.	0.5	7
267	Molybdenum ion: a structural probe in lithiumâ€“antimonyâ€“germanate glass system by means of dielectric and spectroscopic studies. Journal of Materials Science, 2014, 49, 6203-6216.	1.7	7
268	Influence of Nd3+ ions on TL characteristics of Li2O-MO-B2O3 (MOÂ=ÂZnO, CaO, CdO) glass system. Journal of Theoretical and Applied Physics, 2015, 9, 119-125.	1.4	7
269	Thermal Luminescence of <scp>H</scp>o₂<scp>O</scp>₃â€<scp>P</scp>b<scp>O</scp>â€<scp>A</scp>l₂<scp>O</scp> Glasses Exposed to Gamma Radiation. International Journal of Applied Glass Science, 2015, 6, 128-136.		
270	Influence of Bi3+ ions on optical and luminescence properties of multi- component P2O5â”€PbOâ”€Ga2O3 â”€Pr2O3 glass system. Optical Materials, 2018, 77, 178-186.	1.7	7

#	Article	IF	Citations
271	Influence of cobalt ions on dielectric features and a.c. conductivity of lead bismuth silicate glasses. Physica B: Condensed Matter, 2019, 566, 136-145.	1.3	7
272	Impact of silver ions on dielectric properties and conductivity of lithium silicate glass system mixed with red lead. Journal of Non-Crystalline Solids, 2022, 588, 121641.	1.5	7
273	Microstructural, electrical, magnetic and spectroscopic properties of PbOï£¿Sb₂O₃ï£¿As₂O₃:MnO glass ceramics. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 80-91.	0.8	6
274	An in-vitro bioactive, structural and degradation studies on B2O3â€“SiO2â€“P2O5â€“Na2Oâ€“CaO glass system incorporated with chromium ions. Materials Today: Proceedings, 2018, 5, 26280-26289.	0.9	6
275	Influence of some thermally resistant transition metal oxides on emission features of Pr3+ ions in zinc borate glasses. Journal of Non-Crystalline Solids, 2019, 503-504, 243-251.	1.5	6
276	Estimation of concentration of nano-sized voids ingrained in CuO doped lithium sulphophosphate amorphous system using positron annihilation spectroscopy. Optical Materials, 2020, 109, 110314.	1.7	6
277	Emission features of Er3+ ions in an exotic SeO2 based glass system. Journal of Non-Crystalline Solids, 2021, 556, 120558.	1.5	6
278	In-vitro bioactivity and antibacterial properties of CaF2â€'CaOâ€'B2O3â€'P2O5â€“SrO glass system-influence of Ta2O5. Journal of Non-Crystalline Solids, 2021, 566, 120881.	1.5	6
279	Spectroscopic investigations on PbOâ€“As₂O₃glasses crystallized with TiO₂. Philosophical Magazine, 2009, 89, 2255-2270.	0.7	5
280	Violet-blue emission characteristics of Pr3+ ions codoped with Ti4+ ions in lead arsenate glass system. Journal of Luminescence, 2018, 199, 416-422.	1.5	5
281	Photo-induced non-linear optical studies on gallium alkali borate glasses doped with TiO2. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	5
282	Structural and physical properties of MnO mixed lead zirconium silicate glass ceramics: Dielectric relaxation spectra and conduction phenomena. Journal of Non-Crystalline Solids, 2019, 521, 119529.	1.5	5
283	Correlation studies between physical properties and concentration of voids entrenched in V2O5 mixed lead bismuth silicate glass system by means of positron annihilation spectroscopy. Vacuum, 2020, 173, 109171.	1.6	5
284	Second harmonic generation and spectroscopic characteristics of TiO2 doped Li2Oâ€“Al2O3â€“B2O3 glass matrix. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	5
285	Studies on near infrared emission of Yb3+ ions in a SeO2 based glass system. Physica B: Condensed Matter, 2021, 606, 412827.	1.3	5
286	Dielectric dispersion in aluminium doped zincâ€"manganese ferrites. Physica Status Solidi A, 1994, 144, 235-241.	1.7	4
287	Environment effect on the optical and photophysical investigation of Al(III)Porphyrins doped hybrid borate glasses. Materials Chemistry and Physics, 2011, 130, 134-139.	2.0	4
288	Influence of titanium ions on spectroscopic properties of TeO₂â€“Sb₂O₃â€“B₂O₃: TiO₂ glass ceramics. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 3082-3086.	0.8	4

#	Article	IF	Citations
289	Influence of tin ions on AC conductivity and dielectric features of Li2Oâ€“PbOâ€“P2O5 glass system. Ionics, 2015, 21, 3051-3063.	1.2	4
290	Effect of modifier on the silver based fast ion conducting glasses for solid state batteries. Journal of Materials Science: Materials in Electronics, 2018, 29, 8446-8455.	1.1	4
291	Influence of nickel ion concentration on the free volume defects entrenched in an alkali sulphophosphate glass system by means of positron annihilation characterization technique. Journal of Non-Crystalline Solids, 2020, 547, 120315.	1.5	4
292	Exploration of nano sized defects in Fe2O3 doped lead zirconium silicate glass ceramics by using positron annihilation lifetime spectroscopy. Ceramics International, 2021, 47, 21785-21790.	2.3	4
293	On Some Optical Properties of NaF Single Crystals Xâ€Ray Irradiated under DC Fields. Physica Status Solidi (B): Basic Research, 1987, 142, 587-593.	0.7	3
294	AC CONDUCTION PHENOMENON OF Li2Oâ€“WO3â€“B2O3 GLASSES DOPED WITH V2O5. Functional Materials Letters, 2013, 06, 1350032.	0.7	3
295	Nd 3+ â€Doped Lead Boro Selenate Glass: A New Efficient System for Nearâ€Infrared 1.06â€‰Î¼m Laser Emission. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 2000602.	0.8	3
296	Influence of NiO doping on elastic properties of Li2SO4-MgO-P2O5 glass system-Investigation by means of acoustic wave propagation. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	3
297	Dielectric Relaxation Dynamics and Polaronic Tunneling Conduction Mechanism of Electrical Conductivity of Fe₂O₃â€Doped PbOâ€“ZrO₂â€“SiO₂ Glass Ceramics. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2100071.	0.8	3
298	Study on the influence of gelation promoter on the structural and magnetic properties of cobalt ferrite nanoparticles developed through sol-gel method. Journal of Sol-Gel Science and Technology, 2021, 100, 310-325.	1.1	3
299	Characterization and coloration efficiency studies using cyclicvoltammetry and chronocoulometric methods on TiO2 doped WO3 nanocrystalline thin films. Optik, 2022, 249, 168282.	1.4	3
300	Influence of Ga3+ ions on the structure and in vitro bioactivity of B2O3â€“SiO2â€“Na2Oâ€“CaO glass system. Materials Today: Proceedings, 2018, 5, 26245-26254.	0.9	2
301	Energy band structure and optical band gap calculations of AgSbO3 photo-catalystic pyrochlore crystal phase embedded in Ag2O doped sodium antimonate glass ceramics. Optik, 2020, 206, 164345.	1.4	2
302	Investigations on the influence CuO doping on elastic properties of Li2SO4â€“MgOâ€“P2O5 glass system by means of acoustic wave propagation. Solid State Communications, 2021, 330, 114270.	0.9	2
303	Are the phosphorus-rich Na₂Oâ€“CaOâ€“B₂O₃â€“SiO₂â€“P₂O₅ glasses bioactive and what is an influence of doping with manganese oxide?. Materials Science-Poland, 2017, 35, 760-766.	0.4	2
304	Influence of SeO2 on in vitro bioactivity and antibacterial activity of CaF2â€“CaOâ€“B2O3â€“P2O5â€“SrO glass system. Materials Chemistry and Physics, 2022, 278, 125653.	2.0	2
305	Investigation of the effect of Au2O3 dopant on elastic properties of PbO-B2O3-SeO2: Er2O3 glass ceramics by ultrasonic techniques. Journal of Non-Crystalline Solids, 2022, 583, 121465.	1.5	2
306	Study of gamma ray induced defect centers in MnO doped calcium fluoro borophosphate glasses by means of EPR spectroscopy. Materials Letters, 2016, 167, 284-287.	1.3	1

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307	Spectroscopic properties of PbOâ^'Sb2O3â^'SiO2: MnO glass system. Materials Today: Proceedings, 2018, 5, 26397-26404.	0.9	1
308	Effect of modifier on battery studies of silver-based FIC glasses. Ionics, 2019, 25, 215-219.	1.2	1
309	(INVITED) Positron annihilation spectroscopy and third harmonic generation studies on MnO mixed lead zirconium silicate glass ceramics. Optical Materials: X, 2019, 1, 100024.	0.3	1
310	Influence of Ni ion site occupancy on laser induced third harmonic generation (THG) studies in Li2SO4â€"MgOâ€"P2O5 amorphous system. Ceramics International, 2021, 47, 25249-25254.	2.3	1
311	Nonlinear optical birefringence in Li2SO4-MgO-P2O5 amorphous system -influence of Cu ions. Journal of Non-Crystalline Solids, 2021, 572, 121111.	1.5	1
312	The anisotropic photorefractive effect in lithium sulfo-phosphate glass system doped with nickel ions. Optical Materials, 2022, 123, 111858.	1.7	1
313	Optical absorption and thermoluminescence of LiF single crystals X-ray irradiated at elevated temperatures under high d.c. fields. Journal of Materials Science Letters, 1989, 8, 107-109.	0.5	0
314	MnO â€" induced crystallization and optical characteristics of PbO-Sb2O3-B2O3glass system. IOP Conference Series: Materials Science and Engineering, 2009, 2, 012027.	0.3	0
315	Fluorescence Features of Samarium Ion in PbO-B2O3-SiO2-Al2O3Glass System. Transactions of the Indian Ceramic Society, 2013, 72, 13-17.	0.4	0
316	The influence of Ag2O on the dielectric properties of LiFâ€"CaOâ€"B2O3 glasses. Journal of Commonwealth Law and Legal Education, 2015, 56, 271-277.	0.2	0
317	Third harmonic generation studies of 1.06ÂÎ¼m Nd:YAG laser beam in Li2SO4â€"MgOâ€"P2O5 glass system-influence of CuO. Optical Materials, 2021, 118, 111277.	1.7	0
318	Spectroscopic features of chromium ions in Li2O-BaO-B2O3 glasses. Materials Today: Proceedings, 2021, 43, 3034-3037.	0.9	0
319	Role of molybdenum ions in lead zinc phosphate glass system by means of dielectric studies. Materials Science-Poland, 2018, 36, 623-629.	0.4	0
320	Dielectric dispersion impedance spectroscopy and polaron tunneling phenomenon in Au2O3 mixed PbO-B2O3-SeO2:Er2O3 glass ceramics. Journal of Alloys and Compounds, 2022, 904, 164069.	2.8	0