

N Veeraiah

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#	Paper	IF	Citations
319	Study of CaO-WO ₃ -P ₂ O ₅ glass system by dielectric properties, IR spectra and differential thermal analysis. <i>Journal of Non-Crystalline Solids</i> , 2002 , 298, 89-98	3.9	145
318	Optical absorption and fluorescence spectral studies of Ho ³⁺ ions in PbO-Al ₂ O ₃ -B ₂ O ₃ glass system. <i>Journal of Physics and Chemistry of Solids</i> , 2000 , 61, 1567-1571	3.9	104
317	Influence of redox behavior of copper ions on dielectric and spectroscopic properties of Li ₂ O-MoO ₃ -B ₂ O ₃ : CuO glass system. <i>Solid State Sciences</i> , 2009 , 11, 578-587	3.4	100
316	Characterization and Physical Properties of PbO-As ₂ O ₃ Glasses Containing Molybdenum Ions. <i>Journal of Solid State Chemistry</i> , 2002 , 166, 104-117	3.3	96
315	Spectroscopic studies of titanium ions in PbO-Sb ₂ O ₃ -As ₂ O ₃ glass system. <i>Optics Communications</i> , 2004 , 235, 341-349	2	88
314	Structural investigations on PbO-Sb(2)O(3)-B(2)O(3):CoO glass ceramics by means of spectroscopic and dielectric studies. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 245104	1.8	82
313	Influence of modifier oxide on spectroscopic and thermoluminescence characteristics of Sm ³⁺ ion in antimony borate glass system. <i>Journal of Luminescence</i> , 2008 , 128, 1791-1798	3.8	78
312	Valence and coordination of chromium ions in ZnO-Sb ₂ O ₃ -B ₂ O ₃ glass system by means of spectroscopic and dielectric relaxation studies. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007 , 204, 816-832	1.6	73
311	Influence of tungsten on the emission features of Nd ³⁺ , Sm ³⁺ and Eu ³⁺ ions in ZnF ₂ -WO ₃ -TeO ₂ glasses. <i>Journal of Alloys and Compounds</i> , 2010 , 508, 278-291	5.7	71
310	Characterization and physical properties of Li ₂ O-CaF ₂ -P ₂ O ₅ glass ceramics with Cr ₂ O ₃ as a nucleating agent-Physical properties. <i>Journal of Solid State Chemistry</i> , 2007 , 180, 2747-2755	3.3	69
309	Structural influence of aluminium, gallium and indium metal oxides by means of dielectric and spectroscopic properties of CaO-Sb ₂ O ₃ -B ₂ O ₃ glass system. <i>Journal of Alloys and Compounds</i> , 2007 , 438, 41-51	5.7	69
308	Dielectric and spectroscopic properties of PbO-Nb ₂ O ₅ -P ₂ O ₅ :V ₂ O ₅ glass system. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006 , 203, 2083-2102	1.6	68
307	Spectroscopic and magnetic studies of manganese ions in ZnO-Sb ₂ O ₃ -B ₂ O ₃ glass system. <i>Journal of Physics and Chemistry of Solids</i> , 2006 , 67, 789-795	3.9	68
306	Optical and structural investigation of Eu ³⁺ ions in Nd ³⁺ co-doped magnesium lead borosilicate glasses. <i>Journal of Alloys and Compounds</i> , 2013 , 557, 209-217	5.7	67
305	Spectroscopic and dielectric studies on MnO doped PbO-Nb ₂ O ₅ -P ₂ O ₅ glass system. <i>Journal of Alloys and Compounds</i> , 2008 , 458, 66-76	5.7	67
304	The structural influence of chromium ions in lead gallium phosphate glasses by means of spectroscopic studies. <i>Optical Materials</i> , 2007 , 30, 357-363	3.3	67
303	Nickel ion as a structural probe in PbO-Bi ₂ O ₃ -B ₂ O ₃ glass system by means of spectroscopic and dielectric studies. <i>Physica B: Condensed Matter</i> , 2008 , 403, 3751-3759	2.8	67

302	Study on some physical properties of Li ₂ O-MgO-B ₂ O ₃ :V ₂ O ₅ glasses. <i>Physica B: Condensed Matter</i> , 2004 , 348, 256-271	2.8	66
301	Physical properties of ZnF ₂ -As ₂ O ₃ -TeO ₂ glasses doped with Cr ³⁺ ions. <i>Physica B: Condensed Matter</i> , 2002 , 324, 127-141	2.8	66
300	The role of iron ions on the structure and certain physical properties of PbO-As ₂ O ₃ glasses. <i>Journal of Physics and Chemistry of Solids</i> , 2002 , 63, 705-717	3.9	66
299	Influence of aluminum ions on fluorescent spectra and upconversion in codoped CaF ₂ -Al ₂ O ₃ -P ₂ O ₅ -BiO ₂ :Ho ³⁺ and Er ³⁺ glass system. <i>Journal of Applied Physics</i> , 2010 , 108, 023102	2.5	65
298	Influence of Al ³⁺ ions on luminescence efficiency of Eu ³⁺ ions in barium boro-phosphate glasses. <i>Journal of Non-Crystalline Solids</i> , 2015 , 419, 75-81	3.9	64
297	Photostimulated optical effects and some related features of CuO mixed Li ₂ O-Nb ₂ O ₅ -ZrO ₂ -BiO ₂ glass ceramics. <i>Ceramics International</i> , 2011 , 37, 2763-2779	5.1	62
296	The role of titanium ions on structural, dielectric and optical properties of Li ₂ O-MgO-B ₂ O ₃ glass system. <i>Materials Chemistry and Physics</i> , 2004 , 87, 357-369	4.4	62
295	Dielectric dispersion in ZnF ₂ -Bi ₂ O ₃ -TeO ₂ glass system. <i>Journal of Materials Science</i> , 2001 , 36, 5625-5632	4.3	60
294	Influence of WO ₃ on some physical properties of MO-B ₂ O ₃ -B ₂ O ₃ (M = Ca, Pb and Zn) glass system. <i>Journal of Alloys and Compounds</i> , 2009 , 485, 876-886	5.7	58
293	Studies on the influence of V ₂ O ₅ on dielectric relaxation and ac conduction phenomena of Li ₂ O-MgO-B ₂ O ₃ glass system. <i>Journal of Alloys and Compounds</i> , 2004 , 368, 25-37	5.7	58
292	Spectroscopic, magnetic and dielectric investigations of BaO-Ga ₂ O ₃ -P ₂ O ₅ glasses doped by Cu ions. <i>Physica Status Solidi A</i> , 2005 , 202, 2812-2828		57
291	Optical absorption and photoluminescence properties of Eu ³⁺ -doped ZnF ₂ -B ₂ O ₃ -TeO ₂ glasses. <i>Journal of Materials Science</i> , 1998 , 33, 2659-2662	4.3	56
290	The structural investigations of PbO-P ₂ O ₅ -B ₂ O ₃ glasses with MoO ₃ as additive by means of dielectric, spectroscopic and magnetic studies. <i>Physica B: Condensed Matter</i> , 2007 , 393, 61-72	2.8	56
289	Optical and thermoluminescence properties of R ₂ O-B ₂ O ₃ glass systems doped with MnO. <i>Journal of Non-Crystalline Solids</i> , 2005 , 351, 3752-3759	3.9	56
288	Role of titanium valence states in optical and electronic features of PbO-B ₂ O ₃ -B ₂ O ₃ :TiO ₂ glass alloys. <i>Journal of Alloys and Compounds</i> , 2009 , 482, 283-297	5.7	55
287	Spectroscopic features of Pr ³⁺ , Nd ³⁺ , Sm ³⁺ and Er ³⁺ ions in Li ₂ O-MO (Nb ₂ O ₅ , MoO ₃ and WO ₃)-B ₂ O ₃ glass systems. <i>Physica B: Condensed Matter</i> , 2008 , 403, 2542-2556	2.8	54
286	Specific features of photo and thermoluminescence of Tb ³⁺ ions in BaO-M ₂ O ₃ (M=Ga, Al, In)-B ₂ O ₅ glasses. <i>Journal of Luminescence</i> , 2007 , 127, 637-644	3.8	51
285	Dielectric dispersion in the PbO-MoO ₃ -B ₂ O ₃ glass system. <i>Solid State Communications</i> , 2004 , 132, 235-240	4.6	51

284	Dielectric dispersion and certain other physical properties of $\text{PbO-CaO-2B}_2\text{O}_5$ glass system. <i>Materials Letters</i> , 2002 , 56, 880-888	3.3	51
283	Study on various physical properties of $\text{PbO-As}_2\text{O}_3$ glasses containing manganese ions. <i>Journal of Alloys and Compounds</i> , 2001 , 327, 52-65	5.7	51
282	Effect of alkali-earth modifier ion on electrical, dielectric and spectroscopic properties of Fe_2O_3 doped $\text{Na}_2\text{SO}_4\text{-MOP}_2\text{O}_5$ glass system. <i>Journal of Alloys and Compounds</i> , 2014 , 604, 352-362	5.7	50
281	Role of nickel ion coordination on spectroscopic and dielectric properties of $\text{ZnF}_2\text{-As}_2\text{O}_3\text{-TeO}_2\text{:NiO}$ glass system. <i>Journal of Non-Crystalline Solids</i> , 2011 , 357, 1193-1202	3.9	50
280	Fluorescence features of Sm^{3+} ions in $\text{Na}_2\text{SO}_4\text{-MOP}_2\text{O}_5$ glass system Influence of modifier oxide. <i>Journal of Luminescence</i> , 2011 , 131, 212-217	3.8	50
279	Dielectric, magnetic and spectroscopic properties of $\text{Li}_2\text{O-WO}_3\text{-P}_2\text{O}_5$ glass system with Ag_2O as additive. <i>Materials Chemistry and Physics</i> , 2008 , 111, 283-292	4.4	50
278	Dielectric dispersion in $\text{Li}_2\text{O-MoO}_3\text{-B}_2\text{O}_3$ glass system doped with V_2O_5 . <i>Journal of Alloys and Compounds</i> , 2008 , 464, 472-482	5.7	50
277	Dielectric properties of $\text{ZnF}_2\text{-PbO-TeO}_2$ glasses. <i>Journal of Physics and Chemistry of Solids</i> , 1998 , 59, 91-97	3.9	49
276	Electrical and spectroscopic properties of Fe_2O_3 doped $\text{Na}_2\text{SO}_4\text{-BaO-P}_2\text{O}_5$ glass system. <i>Journal of Non-Crystalline Solids</i> , 2012 , 358, 3255-3267	3.9	47
275	Nickel ion as structural probe in $\text{BaO-Al}_2\text{O}_3\text{-P}_2\text{O}_5$ glass system by means of dielectric, spectroscopic and magnetic studies. <i>Journal of Physics and Chemistry of Solids</i> , 2006 , 67, 2478-2488	3.9	47
274	Spectroscopic properties and luminescence behaviour of europium doped lithium borate glasses. <i>Physica B: Condensed Matter</i> , 2014 , 454, 148-156	2.8	46
273	Studies on influence of aluminium ions on the bioactivity of $\text{B}_2\text{O}_3\text{-Bi}_2\text{O}_3\text{-P}_2\text{O}_5\text{-Na}_2\text{O-CaO}$ glass system by means of spectroscopic studies. <i>Applied Surface Science</i> , 2013 , 287, 46-53	6.7	46
272	Role of Al_2O_3 in upconversion and NIR emission in Tm^{3+} and Er^{3+} codoped calcium fluoro phosphorous silicate glass system. <i>Journal of Luminescence</i> , 2011 , 131, 1443-1452	3.8	46
271	Optical absorption and fluorescence properties of Er^{3+} ion in $\text{MO-WO}_3\text{-P}_2\text{O}_5$ glasses. <i>Journal of Physics and Chemistry of Solids</i> , 2003 , 64, 1027-1035	3.9	46
270	Dielectric relaxation and a.c. conduction phenomena of $\text{PbO-PbF}_2\text{-B}_2\text{O}_3$ glasses doped with FeO . <i>Journal of Physics and Chemistry of Solids</i> , 2006 , 67, 2263-2274	3.9	44
269	Thermoluminescence studies on $\text{Li}_2\text{O-CaF}_2\text{-B}_2\text{O}_3$ glasses doped with manganese ions. <i>Materials Letters</i> , 2002 , 57, 403-408	3.3	44
268	Microstructural, dielectric and spectroscopic properties of $\text{Li}_2\text{O-Nb}_2\text{O}_5\text{-ZrO}_2\text{-Bi}_2\text{O}_3$ glass system crystallized with V_2O_5 . <i>Journal of Physics and Chemistry of Solids</i> , 2011 , 72, 190-200	3.9	43
267	Spectroscopic properties of copper ions in $\text{ZnO-ZnF}_2\text{-B}_2\text{O}_3$ glasses. <i>Optical Materials</i> , 2007 , 29, 1467-1474	3.3	42

266	Structural role of In ₂ O ₃ in PbO-B ₂ O ₅ -As ₂ O ₃ glass system by means of spectroscopic and dielectric studies. <i>Journal of Alloys and Compounds</i> , 2007 , 431, 303-312	5.7	42
265	Optical absorption and thermoluminescence properties of ZnF ₂ -MO-TeO ₂ (MO=As ₂ O ₃ , Bi ₂ O ₃ and P ₂ O ₅) glasses doped with chromium ions. <i>Journal of Luminescence</i> , 2002 , 99, 53-60	3.8	42
264	Studies on dielectric properties of LiF-B ₂ O ₃ -B ₂ O ₃ :CuO glass system. <i>Materials Chemistry and Physics</i> , 2005 , 91, 381-390	4.4	42
263	De-quenching influence of aluminum ions on Y/B ratio of Dy ³⁺ ions in lead silicate glass matrix. <i>Journal of Alloys and Compounds</i> , 2013 , 575, 375-381	5.7	41
262	The improved glass-forming ability and some physical properties of PbO-B ₂ O ₃ :Cr ₂ O ₃ glasses with As ₂ O ₃ as additive. <i>Physica Status Solidi A</i> , 2003 , 199, 389-402		41
261	Influence of Crystallization on the Luminescence Characteristics of Pr ³⁺ Ions in PbO-B ₂ O ₃ -B ₂ O ₃ Glass System. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 2004	3.8	40
260	Role of manganese ions on the stability of ZnF ₂ -B ₂ O ₅ -TeO ₂ glass system by the study of dielectric dispersion and some other physical properties. <i>Journal of Physics and Chemistry of Solids</i> , 2003 , 64, 133-148	3.9	40
259	Dielectric Dispersion in CuO Doped ZnF ₂ -B ₂ O ₅ -TeO ₂ Glasses. <i>Journal De Physique III</i> , 1997 , 7, 951-961		39
258	The structural role of chromium ions on the improvement of insulating character of ZnO-ZnF ₂ -B ₂ O ₃ glass system by means of dielectric, spectroscopic and magnetic properties. <i>Physica B: Condensed Matter</i> , 2006 , 373, 297-305	2.8	39
257	Structural features of MoO ₃ doped sodium sulpho borophosphate glasses by means of spectroscopic and dielectric dispersion studies. <i>Journal of Molecular Structure</i> , 2012 , 1016, 39-46	3.4	38
256	Influence of valence and coordination of manganese ions on spectral and dielectric features of Na ₂ SO ₄ -B ₂ O ₃ -P ₂ O ₅ glasses. <i>Journal of Non-Crystalline Solids</i> , 2012 , 358, 1278-1286	3.9	38
255	Study on certain physical properties of R ₂ O-AlF ₃ -B ₂ O ₃ :Cr ₂ O ₃ glasses. <i>Journal of Alloys and Compounds</i> , 2002 , 339, 54-64	5.7	38
254	Role of Al coordination in barium phosphate glasses on the emission features of Ho ³⁺ ion in the visible and IR spectral ranges. <i>Journal of Luminescence</i> , 2010 , 130, 498-506	3.8	37
253	Dielectric and Spectroscopic properties of CuO doped multi-component Li ₂ OPbOB ₂ O ₃ SiO ₂ Bi ₂ O ₃ Al ₂ O ₃ glass system. <i>Journal of Non-Crystalline Solids</i> , 2013 , 370, 21-30	3.9	36
252	Influence of Bi ³⁺ ions on the amplification of 1.3 μ m emission of Pr ³⁺ ions in lead silicate glasses for the applications in second telecom window communications. <i>Journal of Luminescence</i> , 2017 , 182, 312-322	3.8	35
251	Dielectric and spectroscopic investigations of lithium aluminium zirconium silicate glasses mixed with TiO ₂ . <i>Philosophical Magazine</i> , 2011 , 91, 958-980	1.6	35
250	Induced crystallization and physical properties of Li ₂ O-AlF ₃ -B ₂ O ₅ :TiO ₂ glass system. <i>Journal of Alloys and Compounds</i> , 2008 , 450, 486-493	5.7	35
249	The structural role of tungsten ions in PbO-B ₂ O ₃ -As ₂ O ₃ glass-system by means of spectroscopic investigations. <i>Materials Chemistry and Physics</i> , 2006 , 100, 211-216	4.4	35

248	Bioactivity studies on TiO ₂ bearing Na ₂ O-CaO-SiO ₂ -B ₂ O ₃ glasses. <i>Materials Science and Engineering C</i> , 2015 , 57, 240-8	8.3	34
247	The role of coordination and valance states of tungsten ions on some physical properties of Li ₂ O-Al ₂ O ₃ -ZrO ₂ -Bi ₂ O ₃ glass system. <i>Journal of Non-Crystalline Solids</i> , 2011 , 357, 3094-3102	3.9	34
246	Spectroscopic and dielectric properties of ZnF ₂ -As ₂ O ₃ -TeO ₂ glass system doped with V ₂ O ₅ . <i>Physica B: Condensed Matter</i> , 2009 , 404, 1450-1464	2.8	34
245	Studies on dielectric dispersion, relaxation kinetics and a.c. conductivity of Na ₂ O-CuO-SiO ₂ glasses mixed with Bi ₂ O ₃ -Influence of redox behavior of copper ions. <i>Journal of Alloys and Compounds</i> , 2017 , 696, 1260-1268	5.7	33
244	Influence of yttrium ions on the emission transfer features of Ce ³⁺ /Yb ³⁺ co-doped lithium silicate glasses. <i>Optical Materials</i> , 2012 , 34, 1381-1388	3.3	33
243	Dc field induced optical effects in ZnF ₂ -PbO-TeO ₂ :TiO ₂ glass ceramics. <i>Ceramics International</i> , 2012 , 38, 2551-2562	5.1	33
242	Electrical, dielectric and spectroscopic studies on MnO doped LiI-AgI-B ₂ O ₃ glasses. <i>Journal of Applied Physics</i> , 2012 , 111, 013714	2.5	33
241	The role of As ₂ O ₃ on the stability and some physical properties of PbO-B ₂ O ₃ glasses. <i>Journal of Physics and Chemistry of Solids</i> , 2004 , 65, 1153-1164	3.9	33
240	Influence of modifier oxide on emission features of Dy ³⁺ ion in Pb ₃ O ₄ -ZnO-P ₂ O ₅ glasses. <i>Optical Materials</i> , 2016 , 60, 594-600	3.3	32
239	Spectroscopy features of Pr ³⁺ and Er ³⁺ ions in Li ₂ O-ZrO ₂ -Bi ₂ O ₃ glass matrices mixed with some sesquioxides. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 9230-9239	5.7	32
238	Infrared spectral investigations on ZnF ₂ -PbO-TeO ₂ glasses. <i>Journal of Materials Science Letters</i> , 1997 , 16, 1816-1818		32
237	Spectroscopic investigations on ZnF ₂ -MO-TeO ₂ (MO=ZnO, CdO and PbO) glasses doped with chromium ions. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2005 , 90, 97-113	2.1	32
236	Dielectric properties of NaF-B ₂ O ₃ glasses doped with certain transition metal ions. <i>Bulletin of Materials Science</i> , 2000 , 23, 285-293	1.7	32
235	Amplification of green emission of Ho ³⁺ ions in lead silicate glasses by sensitizing with Bi ³⁺ ions. <i>Journal of Alloys and Compounds</i> , 2016 , 683, 114-122	5.7	32
234	Influence of copper ions on thermoluminescence characteristics of CaF ₂ -B ₂ O ₃ -P ₂ O ₅ glass system. <i>Ceramics International</i> , 2014 , 40, 3707-3713	5.1	31
233	Emission characteristics of Dy ³⁺ ions in lead antimony borate glasses. <i>Applied Physics B: Lasers and Optics</i> , 2012 , 108, 455-461	1.9	31
232	Piezoelectric and elastic properties of ZnF ₂ -PbO-TeO ₂ : TiO ₂ glass ceramics. <i>Journal of Non-Crystalline Solids</i> , 2012 , 358, 702-710	3.9	31
231	Fe concentration dependent transport properties of LiI-AgI-B ₂ O ₃ glass system. <i>Journal of Alloys and Compounds</i> , 2010 , 507, 391-398	5.7	31

230	Spectroscopic properties of MO-WO ₃ -P ₂ O ₅ : Ho ³⁺ glasses. <i>EPJ Applied Physics</i> , 2004 , 26, 169-176	1.1	31
229	Dielectric properties of LiF single crystals X-ray irradiated under d.c. fields. <i>Journal of Materials Science</i> , 1987 , 22, 2017-2022	4.3	31
228	Optical and structural investigation of Dy ³⁺ -Nd ³⁺ co-doped in magnesium lead borosilicate glasses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 118, 744-51	4.4	30
227	Spectroscopic features of Ni(2+) ion in PbO-Bi ₂ O ₃ -SiO ₂ glass system. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 141, 263-71	4.4	30
226	Optical absorption and thermoluminescence studies on LiF-B ₂ O ₃ -B ₂ O ₃ glasses doped with Ni ²⁺ ions. <i>Journal of Luminescence</i> , 2006 , 117, 53-60	3.8	30
225	Optical absorption, fluorescence and thermoluminescence properties of ZnF ₂ -MO ₂ -eO ₂ (MO=ZnO, CdO and PbO) glasses doped with Er ³⁺ ions. <i>Journal of Luminescence</i> , 2004 , 109, 193-205	3.8	30
224	The Effect of Tungsten Ions on the Structure of PbO-As ₂ O ₃ Glasses. <i>Physica Status Solidi A</i> , 2002 , 191, 370-386		30
223	Luminescence properties of Pr ³⁺ doped Li ₂ O-MO-B ₂ O ₃ glasses. <i>Journal of Luminescence</i> , 2015 , 161, 147-153	3.8	29
222	The role of ligand coordination on the spectral features of Yb ³⁺ ions in lead aluminum silicate glasses. <i>Journal of Molecular Structure</i> , 2012 , 1007, 185-190	3.4	29
221	Luminescence properties of Sm ³⁺ ions doped heavy metal oxide tellurite-tungstate-antimonate glasses. <i>Ceramics International</i> , 2017 , 43, 16467-16473	5.1	29
220	Induced crystallization and physical properties of Li ₂ O-CaF ₂ -B ₂ O ₅ :TiO ₂ glass system: Part I. Characterization, spectroscopic and elastic properties. <i>Journal of Alloys and Compounds</i> , 2008 , 450, 477-485	5.7	29
219	Spectroscopic and dielectric studies on PbO-MoO ₃ -B ₂ O ₃ glasses incorporating small concentrations of TiO ₂ . <i>Philosophical Magazine</i> , 2007 , 87, 5763-5787	1.6	29
218	Luminescence quenching by manganese ions in MO-CaF ₂ -B ₂ O ₃ glasses. <i>Optical Materials</i> , 2003 , 22, 295-302	3.3	29
217	Acoustic investigations on PbO-Al ₂ O ₃ -B ₂ O ₃ glasses doped with certain rare earth ions. <i>Bulletin of Materials Science</i> , 2001 , 24, 63-68	1.7	29
216	Studies on γ-ray induced structural changes in Nd ³⁺ doped lead alumino silicate glasses by means of thermoluminescence for dosimetric applications in high dose ranges. <i>Journal of Alloys and Compounds</i> , 2014 , 616, 257-262	5.7	28
215	Dielectric properties of PbO-B ₂ O ₅ -As ₂ O ₃ glass system with Ga ₂ O ₃ as additive. <i>Solid State Communications</i> , 2008 , 145, 401-406	1.6	28
214	Influence of Al ³⁺ ions on self up-conversion in Ho ³⁺ doped lead silicate glasses. <i>Optical Materials</i> , 2014 , 36, 1189-1196	3.3	27
213	Influence of ligand coordination of cobalt ions on structural properties of ZnO-ZnF ₂ -B ₂ O ₃ glass system by means of spectroscopic studies. <i>Physica B: Condensed Matter</i> , 2012 , 407, 712-718	2.8	27

212	Thermoluminescence study of MnO doped borophosphate glass samples for radiation dosimetry. <i>Journal of Non-Crystalline Solids</i> , 2013 , 368, 40-44	3.9	27
211	Influence of modifier oxides on some physical properties of antimony borate glass system doped with V ₂ O ₅ . <i>Materials Chemistry and Physics</i> , 2010 , 120, 89-97	4.4	27
210	NiO-induced crystallization and optical characteristics of Li ₂ O-CaF ₂ -P ₂ O ₅ glass system. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008 , 205, 177-187	1.6	27
209	Dielectric dispersion and ac conduction phenomena of Li ₂ O-Sb ₂ O ₃ -PbO-TeO ₂ :Cr ₂ O ₃ glass system. <i>Materials Science in Semiconductor Processing</i> , 2015 , 35, 96-108	4.3	26
208	Role of modifier oxide in emission spectra and kinetics of Er-Ho codoped Na ₂ SO ₄ -MO-P ₂ O ₅ glasses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 86, 472-80	4.4	26
207	Optical and structural investigation of Sm ³⁺ -Nd ³⁺ co-doped in magnesium lead borosilicate glasses. <i>Journal of Physics and Chemistry of Solids</i> , 2013 , 74, 410-417	3.9	26
206	Optical absorption, fluorescence and thermoluminescence properties of ZnF ₂ -MO-TeO ₂ (MO=ZnO, CdO and PbO) glasses doped with Er ³⁺ ions. <i>Journal of Luminescence</i> , 2004 , 109, 193-205	3.8	26
205	Composition dependence of electrical properties of ZnF ₂ -MO-TeO ₂ glasses. <i>Bulletin of Materials Science</i> , 2001 , 24, 421-429	1.7	26
204	Influence of Al declustering on the photoluminescent properties of Pr ³⁺ ions in PbO-BiO ₂ glasses. <i>Journal of Non-Crystalline Solids</i> , 2013 , 362, 201-206	3.9	25
203	Dielectric spectra of Li ₂ O-CaF ₂ -P ₂ O ₅ glasses doped by silver ions. <i>Physica B: Condensed Matter</i> , 2007 , 396, 29-40	2.8	25
202	Influence of Cr ³⁺ ions on the structure and certain physical properties of PbO-As ₂ O ₃ glasses. <i>EPJ Applied Physics</i> , 2001 , 16, 11-22	1.1	25
201	The structural influence of aluminium ions on emission characteristics of Sm ³⁺ ions in lead aluminium silicate glass system. <i>Materials Research Bulletin</i> , 2012 , 47, 267-273	5.1	24
200	Spectroscopic and structural properties of Cr ³⁺ ions in lead niobium germanosilicate glasses. <i>Journal of Luminescence</i> , 2017 , 183, 17-25	3.8	24
199	Electrical and spectroscopic properties of LiF-Bi ₂ O ₃ -P ₂ O ₅ :TiO ₂ glass system. <i>Materials Chemistry and Physics</i> , 2011 , 126, 58-68	4.4	24
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183	Influence of Chromium Ions on the Dielectric Properties of the PbO-Ga ₂ O ₃ -P ₂ O ₅ Glass System. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2007 , 62, 315-323	1.4	21
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94	Luminescence and spectroscopic properties of ZnF ₂ -MoTeO ₂ glasses doped with Ho ³⁺ ions. <i>Journal of Molecular Structure</i> , 2015 , 1093, 166-171	3.4	9
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75	Infrared luminescence and thermoluminescence of lithium borate glasses doped with Sm ³⁺ ions. <i>Materials Science-Poland</i> , 2015 , 33, 144-151	0.6	7
74	Thermal Luminescence of Ho ₂ O ₃ -PbO-Al ₂ O ₃ -SiO ₂ Glasses Exposed to Gamma Radiation. <i>International Journal of Applied Glass Science</i> , 2015 , 6, 128-136	1.8	7
73	Influence of sesquioxides on luminescence features of Nd ³⁺ ions in PbO/B ₂ O ₃ glass system. <i>Physica B: Condensed Matter</i> , 2015 , 457, 117-125	2.8	7
72	Third-order nonlinear optical features of zirconia-added lead silicate glass ceramics embedded with Pb ₂ Fe ₂ O ₅ perovskite crystal phases and role of Fe ions. <i>Applied Physics A: Materials Science and Processing</i> , 2020 , 126, 1	2.6	7
71	Influence of γ-ray-induced effects on dielectric dispersion of CuO-doped calcium fluoroborophosphate glass system. <i>Ionics</i> , 2016 , 22, 1625-1634	2.7	7
70	Influence of ZrO Addition on Structural and Biological Activity of Phosphate Glasses for Bone Regeneration. <i>Materials</i> , 2020 , 13,	3.5	7
69	Influence of Bi ³⁺ ions on low temperature D.C. conductivity of Na ₂ SiCuO ₄ glasses. <i>Ionics</i> , 2017 , 23, 655-664	6.4	6

68	Microstructural, electrical, magnetic and spectroscopic properties of $PbO\text{-}Sb_2O_3\text{-}As_2O_3\text{-}MnO$ glass ceramics. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2010 , 207, 80-91	1.6	6
67	Effect of X-ray irradiation on dielectric properties of $ZnF_2\text{-}PbO\text{-}TeO_2$ glasses. <i>Journal of Materials Science Letters</i> , 1994 , 13, 1558-1560		6
66	Polaronic conduction and dielectric relaxation dynamics in V_2O_5 added lead bismuth silicate glass system. <i>Journal of Non-Crystalline Solids</i> , 2020 , 528, 119746	3.9	6
65	Structural influence of Bi^{3+} ions on physical properties of Na_2CuSiO_4 glasses photoluminescence and thermoluminescence studies. <i>Journal of Non-Crystalline Solids</i> , 2016 , 449, 50-54	3.9	6
64	Effect of Al ions substitution in novel zinc phosphate glasses on formation of HAP layer for bone graft applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 185, 110591	6	6
63	Optical absorption and photoluminescence properties of anadium ions in [thium-tungsten-borate] oxide glasses. <i>Materials Today: Proceedings</i> , 2018 , 5, 26290-26297	1.4	6
62	Studies on structural characterization and near white light emission through energy transfer between Ce^{3+} and Tb^{3+} in barium gallium borosilicate glasses. <i>Journal of Molecular Structure</i> , 2019 , 1190, 184-195	3.4	5
61	Influence of strontium on structure, bioactivity and corrosion behaviour of $B_2O_3\text{-}Bi_2O_3\text{-}Na_2O\text{-}CaO$ glasses-investigation by spectroscopic methods. <i>Optical Materials</i> , 2018 , 84, 292-300	3.3	5
60	Dielectric and spectroscopic features of $ZnO\text{-}nF_2\text{-}B_2O_3\text{-}MoO_3$ glass ceramic possible material for plasma display panels. <i>Journal of Materials Science: Materials in Electronics</i> , 2014 , 25, 4902-4915	2.1	5
59	A critical study on the magnetic properties of ultrafine cobalt ferrite nanoparticles synthesized by polyethylene glycol assisted sol-gel method. <i>Applied Physics A: Materials Science and Processing</i> , 2020 , 126, 1	2.6	5
58	Influence of cobalt ions on dielectric features and a.c. conductivity of lead bismuth silicate glasses. <i>Physica B: Condensed Matter</i> , 2019 , 566, 136-145	2.8	5
57	Laser-stimulated piezo-optical and third harmonic generation studies for $Na_2O\text{-}B_2O_3$ glass ceramics-influence of gold ions. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 3782-3791 ^{2.1}		4
56	Violet-blue emission characteristics of Pr^{3+} ions codoped with Ti^{4+} ions in lead arsenate glass system. <i>Journal of Luminescence</i> , 2018 , 199, 416-422	3.8	4
55	Structural and physical properties of MnO mixed lead zirconium silicate glass ceramics: Dielectric relaxation spectra and conduction phenomena. <i>Journal of Non-Crystalline Solids</i> , 2019 , 521, 119529	3.9	4
54	Molybdenum ion: a structural probe in lithium-antimony-germanate glass system by means of dielectric and spectroscopic studies. <i>Journal of Materials Science</i> , 2014 , 49, 6203-6216	4.3	4
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52	Influence of titanium ions on spectroscopic properties of $TeO_2\text{-}Sb_2O_3\text{-}B_2O_3\text{-}TiO_2$ glass ceramics. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011 , 8, 3082-3086		4
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48	Optimized NIR and MIR emission properties of Tm ³⁺ /Ho ³⁺ ions in lead sulfo phosphate glasses. <i>Infrared Physics and Technology</i> , 2021 , 113, 103617	2.7	4
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43	The role of gold metallic particles on improving green and NIR emissions of Ho ³⁺ ions in non-conventional SeO ₂ based glass ceramics. <i>Journal of Non-Crystalline Solids</i> , 2022 , 576, 121240	3.9	3
42	Investigations on Physico-Mechanical and Spectral Studies of Zn ²⁺ Doped P ₂ O ₅ -Based Bioglass System. <i>Journal of Composites Science</i> , 2020 , 4, 129	3	3
41	Influence of some thermally resistant transition metal oxides on emission features of Pr ³⁺ ions in zinc borate glasses. <i>Journal of Non-Crystalline Solids</i> , 2019 , 503-504, 243-251	3.9	3
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31	Estimation of concentration of nano-sized voids ingrained in CuO doped lithium sulphophosphate amorphous system using positron annihilation spectroscopy. <i>Optical Materials</i> , 2020 , 109, 110314	3.3	2
30	Influence of NiO doping on elastic properties of Li ₂ SO ₄ -MgO-P ₂ O ₅ glass system-Investigation by means of acoustic wave propagation. <i>Applied Physics A: Materials Science and Processing</i> , 2021 , 127, 1	2.6	2
29	Photo-induced non-linear optical studies on gallium alkali borate glasses doped with TiO ₂ . <i>Applied Physics A: Materials Science and Processing</i> , 2018 , 124, 1	2.6	2
28	In-vitro bioactivity and antibacterial properties of CaF ₂ -CaO-B ₂ O ₃ -P ₂ O ₅ -BrO glass system-influence of Ta ₂ O ₅ . <i>Journal of Non-Crystalline Solids</i> , 2021 , 566, 120881	3.9	2
27	Energy band structure and optical band gap calculations of AgSbO ₃ photo-catalytic pyrochlore crystal phase embedded in Ag ₂ O doped sodium antimonate glass ceramics. <i>Optik</i> , 2020 , 206, 164345	2.5	1
26	Study of gamma ray induced defect centers in MnO doped calcium fluoro borophosphate glasses by means of EPR spectroscopy. <i>Materials Letters</i> , 2016 , 167, 284-287	3.3	1
25	Effect of modifier on battery studies of silver-based FIC glasses. <i>Ionics</i> , 2019 , 25, 215-219	2.7	1
24	Multifunctional hydantoins: recent advances in optoelectronics and medicinal drugs from Academia to the chemical industry. <i>Journal of Materials Chemistry C</i> ,	7.1	1
23	Studies on near infrared emission of Yb ³⁺ ions in a SeO ₂ based glass system. <i>Physica B: Condensed Matter</i> , 2021 , 606, 412827	2.8	1
22	Investigations on the influence CuO doping on elastic properties of Li ₂ SO ₄ -MgO-P ₂ O ₅ glass system by means of acoustic wave propagation. <i>Solid State Communications</i> , 2021 , 330, 114270	1.6	1
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20	(INVITED) Positron annihilation spectroscopy and third harmonic generation studies on MnO mixed lead zirconium silicate glass ceramics. <i>Optical Materials: X</i> , 2019 , 1, 100024	1.7	0
19	The anisotropic photorefractive effect in lithium sulfo-phosphate glass system doped with nickel ions. <i>Optical Materials</i> , 2022 , 123, 111858	3.3	0
18	Investigation of the effect of Au ₂ O ₃ dopant on elastic properties of PbO-B ₂ O ₃ -SeO ₂ : Er ₂ O ₃ glass ceramics by ultrasonic techniques. <i>Journal of Non-Crystalline Solids</i> , 2022 , 583, 121465	3.9	0
17	Characterization and coloration efficiency studies using cyclic voltammetry and chronocoulometric methods on TiO ₂ doped WO ₃ nanocrystalline thin films. <i>Optik</i> , 2021 , 249, 168282	2.5	0
16	Study on the influence of gelation promoter on the structural and magnetic properties of cobalt ferrite nanoparticles developed through sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2021 , 100, 310	2.3	0
15	Dielectric Relaxation Dynamics and Polaronic Tunneling Conduction Mechanism of Electrical Conductivity of Fe ₂ O ₃ -Doped PbO-ZrO ₂ -SiO ₂ Glass Ceramics. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021 , 218, 2100071	1.6	0

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13	Spectroscopic properties of PbO-Sb ₂ O ₃ -SiO ₂ : MnO glass system. <i>Materials Today: Proceedings</i> , 2018 , 5, 26397-26404	1.4	o
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11	Exploration of nano sized defects in Fe ₂ O ₃ doped lead zirconium silicate glass ceramics by using positron annihilation lifetime spectroscopy. <i>Ceramics International</i> , 2021 , 47, 21785-21790	5.1	o
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9	Impact of silver ions on dielectric properties and conductivity of lithium silicate glass system mixed with red lead. <i>Journal of Non-Crystalline Solids</i> , 2022 , 588, 121641	3.9	o
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6	Optical absorption and thermoluminescence of LiF single crystals X-ray irradiated at elevated temperatures under high d.c. fields. <i>Journal of Materials Science Letters</i> , 1989 , 8, 107-109		
5	Dielectric dispersion impedance spectroscopy and polaron tunneling phenomenon in Au ₂ O ₃ mixed PbO-B ₂ O ₃ -SeO ₂ :Er ₂ O ₃ glass ceramics. <i>Journal of Alloys and Compounds</i> , 2022 , 904, 164069	5.7	
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