

# N Veeraiah

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

319  
papers

7,473  
citations

46  
h-index

59  
g-index

322  
ext. papers

8,176  
ext. citations

3.6  
avg, IF

6.11  
L-index

#	Paper	IF	Citations
319	The anisotropic photorefractive effect in lithium sulfo-phosphate glass system doped with nickel ions. <i>Optical Materials</i> , <b>2022</b> , 123, 111858	3.3	0
318	Dielectric dispersion impedance spectroscopy and polaron tunneling phenomenon in Au <sub>2</sub> O <sub>3</sub> mixed PbO-B <sub>2</sub> O <sub>3</sub> -SeO <sub>2</sub> :Er <sub>2</sub> O <sub>3</sub> glass ceramics. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 904, 164069	5.7	
317	Investigation of the effect of Au <sub>2</sub> O <sub>3</sub> dopant on elastic properties of PbO-B <sub>2</sub> O <sub>3</sub> -SeO <sub>2</sub> : Er <sub>2</sub> O <sub>3</sub> glass ceramics by ultrasonic techniques. <i>Journal of Non-Crystalline Solids</i> , <b>2022</b> , 583, 121465	3.9	0
316	The role of gold metallic particles on improving green and NIR emissions of Ho <sup>3+</sup> ions in non-conventional SeO <sub>2</sub> based glass ceramics. <i>Journal of Non-Crystalline Solids</i> , <b>2022</b> , 576, 121240	3.9	3
315	Influence of SeO <sub>2</sub> on in vitro bioactivity and antibacterial activity of CaF <sub>2</sub> :CaO-B <sub>2</sub> O <sub>3</sub> -P <sub>2</sub> O <sub>5</sub> -Br <sub>2</sub> O glass system. <i>Materials Chemistry and Physics</i> , <b>2022</b> , 278, 125653	4.4	
314	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> , <b>2022</b> , 588, 121641	3.9	0
313	Characterization and coloration efficiency studies using cyclic voltammetry and chronocoulometric methods on TiO <sub>2</sub> doped WO <sub>3</sub> nanocrystalline thin films. <i>Optik</i> , <b>2021</b> , 249, 168282	2.5	0
312	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> , <b>2021</b> , 100, 310	2.3	0
311	Optimized NIR and MIR emission properties of Tm <sup>3+</sup> /Ho <sup>3+</sup> ions in lead sulfo phosphate glasses. <i>Infrared Physics and Technology</i> , <b>2021</b> , 113, 103617	2.7	4
310	Influence of NiO doping on elastic properties of Li <sub>2</sub> SO <sub>4</sub> -MgO-P <sub>2</sub> O <sub>5</sub> glass system-Investigation by means of acoustic wave propagation. <i>Applied Physics A: Materials Science and Processing</i> , <b>2021</b> , 127, 1	2.6	2
309	Studies on near infrared emission of Yb <sup>3+</sup> ions in a SeO <sub>2</sub> based glass system. <i>Physica B: Condensed Matter</i> , <b>2021</b> , 606, 412827	2.8	1
308	Investigations on the influence CuO doping on elastic properties of Li <sub>2</sub> SO <sub>4</sub> -MgO-P <sub>2</sub> O <sub>5</sub> glass system by means of acoustic wave propagation. <i>Solid State Communications</i> , <b>2021</b> , 330, 114270	1.6	1
307	Dielectric Relaxation Dynamics and Polaronic Tunneling Conduction Mechanism of Electrical Conductivity of Fe <sub>2</sub> O <sub>3</sub> -Doped PbO:ZrO <sub>2</sub> :Bi <sub>2</sub> O <sub>3</sub> Glass Ceramics. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2021</b> , 218, 2100071	1.6	0
306	Emission features of Er <sup>3+</sup> ions in an exotic SeO <sub>2</sub> based glass system. <i>Journal of Non-Crystalline Solids</i> , <b>2021</b> , 556, 120558	3.9	4
305	Retraction notice to "Bioactivity, antibacterial activity and functionality of zirconia doped zinc phosphate bioglasses for application in dentistry" [Mater. Sci. Eng. C 114 (2020) 111052]. <i>Materials Science and Engineering C</i> , <b>2021</b> , 121, 111676	8.3	0
304	Third harmonic generation studies of 1.06 $\mu$ m Nd:YAG laser beam in Li <sub>2</sub> SO <sub>4</sub> -MgO-P <sub>2</sub> O <sub>5</sub> glass system-influence of CuO. <i>Optical Materials</i> , <b>2021</b> , 118, 111277	3.3	
303	Exploration of nano sized defects in Fe <sub>2</sub> O <sub>3</sub> doped lead zirconium silicate glass ceramics by using positron annihilation lifetime spectroscopy. <i>Ceramics International</i> , <b>2021</b> , 47, 21785-21790	5.1	0

302	In-vitro bioactivity and antibacterial properties of CaF <sub>2</sub> -CaO-B <sub>2</sub> O <sub>3</sub> -P <sub>2</sub> O <sub>5</sub> -SrO glass system-influence of Ta <sub>2</sub> O <sub>5</sub> . <i>Journal of Non-Crystalline Solids</i> , <b>2021</b> , 566, 120881	3.9	2
301	Influence of Ni ion site occupancy on laser induced third harmonic generation (THG) studies in Li <sub>2</sub> SO <sub>4</sub> -MgO-P <sub>2</sub> O <sub>5</sub> amorphous system. <i>Ceramics International</i> , <b>2021</b> , 47, 25249-25254	5.1	0
300	The impact of Nb <sub>2</sub> O <sub>5</sub> on in-vitro bioactivity and antibacterial activity of CaF <sub>2</sub> -CaO-B <sub>2</sub> O <sub>3</sub> -P <sub>2</sub> O <sub>5</sub> -SrO glass system. <i>Ceramics International</i> , <b>2021</b> , 47, 28328-28337	5.1	3
299	Nonlinear optical birefringence in Li <sub>2</sub> SO <sub>4</sub> -MgO-P <sub>2</sub> O <sub>5</sub> amorphous system -influence of Cu ions. <i>Journal of Non-Crystalline Solids</i> , <b>2021</b> , 572, 121111	3.9	1
298	ZnO incorporated high phosphate bioactive glasses for guided bone regeneration implants: enhancement of in-vitro bioactivity and antibacterial activity. <i>Journal of Materials Research and Technology</i> , <b>2021</b> , 15, 633-646	5.5	3
297	Spectroscopic features of chromium ions in Li <sub>2</sub> O-BaO-B <sub>2</sub> O <sub>3</sub> glasses. <i>Materials Today: Proceedings</i> , <b>2021</b> , 43, 3034-3037	1.4	
296	Third-order nonlinear optical features of zirconia-added lead silicate glass ceramics embedded with Pb <sub>2</sub> Fe <sub>2</sub> O <sub>5</sub> perovskite crystal phases and role of Fe ions. <i>Applied Physics A: Materials Science and Processing</i> , <b>2020</b> , 126, 1	2.6	7
295	Influence of gold ions on visible and NIR luminescence features of Er <sup>3+</sup> ions in lead boroselenate glass ceramics. <i>Journal of Luminescence</i> , <b>2020</b> , 226, 117481	3.8	11
294	Energy band structure and optical band gap calculations of AgSbO <sub>3</sub> photo-catalytic pyrochlore crystal phase embedded in Ag <sub>2</sub> O doped sodium antimonate glass ceramics. <i>Optik</i> , <b>2020</b> , 206, 164345	2.5	1
293	Dielectric dispersion and impedance spectroscopy of NiO doped Li <sub>2</sub> SO <sub>4</sub> -MgO-P <sub>2</sub> O <sub>5</sub> glass system. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 824, 153907	5.7	15
292	Dielectric characteristics, dipolar relaxation dynamics and ac conductivity of CuO added lithium sulpho-phosphate glass system. <i>Journal of Non-Crystalline Solids</i> , <b>2020</b> , 543, 120157	3.9	11
291	Polaronic conduction and dielectric relaxation dynamics in V <sub>2</sub> O <sub>5</sub> added lead bismuth silicate glass system. <i>Journal of Non-Crystalline Solids</i> , <b>2020</b> , 528, 119746	3.9	6
290	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> , <b>2020</b> , 126, 1	2.6	5
289	Correlation studies between physical properties and concentration of voids entrenched in V <sub>2</sub> O <sub>5</sub> mixed lead bismuth silicate glass system by means of positron annihilation spectroscopy. <i>Vacuum</i> , <b>2020</b> , 173, 109171	3.7	2
288	Investigations on Physico-Mechanical and Spectral Studies of Zn <sup>2+</sup> Doped P <sub>2</sub> O <sub>5</sub> -Based Bioglass System. <i>Journal of Composites Science</i> , <b>2020</b> , 4, 129	3	3
287	Influence of nickel ion concentration on the free volume defects entrenched in an alkali sulphophosphate glass system by means of positron annihilation characterization technique. <i>Journal of Non-Crystalline Solids</i> , <b>2020</b> , 547, 120315	3.9	4
286	Second harmonic generation and spectroscopic characteristics of TiO <sub>2</sub> doped Li <sub>2</sub> O-Al <sub>2</sub> O <sub>3</sub> -B <sub>2</sub> O <sub>3</sub> glass matrix. <i>Applied Physics A: Materials Science and Processing</i> , <b>2020</b> , 126, 1	2.6	2
285	Nd <sup>3+</sup> -Doped Lead Boro Selenate Glass: A New Efficient System for Near-Infrared 1.06 $\mu$ m Laser Emission. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2020</b> , 217, 2000602	1.6	2

284	Estimation of concentration of nano-sized voids ingrained in CuO doped lithium sulphophosphate amorphous system using positron annihilation spectroscopy. <i>Optical Materials</i> , <b>2020</b> , 109, 110314	3.3	2
283	Influence of ZrO Addition on Structural and Biological Activity of Phosphate Glasses for Bone Regeneration. <i>Materials</i> , <b>2020</b> , 13,	3.5	7
282	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> , <b>2020</b> , 185, 110591	6	6
281	Laser-stimulated piezo-optical and third harmonic generation studies for Na <sub>2</sub> O/Bb <sub>2</sub> O <sub>3</sub> glass ceramics-influence of gold ions. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 3782-3791 <sup>2.1</sup>	2.1	4
280	Energy transfer (Ce <sup>3+</sup> -Sm <sup>3+</sup> ) influence on PL emission of Ce <sup>3+</sup> /Sm <sup>3+</sup> co-doped barium gallium borosilicate glasses. <i>Physica B: Condensed Matter</i> , <b>2019</b> , 559, 8-16	2.8	8
279	The structural and warm light emission properties of Sm/Tb doubly doped strontium bismuth borosilicate glasses for LED applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2019</b> , 220, 117097	4.4	20
278	Studies on structural characterization and near white light emission through energy transfer between Ce <sup>3+</sup> and Tb <sup>3+</sup> in barium gallium borosilicate glasses. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1190, 184-195	3.4	5
277	Structural and dielectric features of silver doped sodium antimonate glass ceramics. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 791, 278-295	5.7	14
276	Influence of alkyl chains on fluoranthene ensembles towards fluorescence-based detection of 2,4,6-trinitrophenol. <i>Applied Surface Science</i> , <b>2019</b> , 481, 1018-1027	6.7	9
275	Selective Detection of Trinitrophenol by Amphiphilic Dimethylaminopyridine-Appended Zn(II)phthalocyanines at the Near-Infrared Region. <i>ACS Omega</i> , <b>2019</b> , 4, 6218-6228	3.9	14
274	Synthesis and studies on magnetic properties of single-phase cobalt ferrite nanoparticles: influence of content of chelating agent. <i>Applied Physics A: Materials Science and Processing</i> , <b>2019</b> , 125, 1	2.6	7
273	Enhancement of the red emission of Eu <sup>3+</sup> by Bi <sup>3+</sup> sensitizers in yttrium alumino bismuth borosilicate glasses. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1176, 133-148	3.4	18
272	Structural and physical characteristics of Au <sub>2</sub> O <sub>3</sub> -doped sodium antimonate glasses [Part I. <i>Journal of the American Ceramic Society</i> , <b>2019</b> , 102, 1628-1641	3.8	14
271	Effect of modifier on battery studies of silver-based FIC glasses. <i>Ionics</i> , <b>2019</b> , 25, 215-219	2.7	1
270	Titanium incorporated Zinc-Phosphate bioactive glasses for bone tissue repair and regeneration: Impact of Ti <sup>4+</sup> on physico-mechanical and in vitro bioactivity. <i>Ceramics International</i> , <b>2019</b> , 45, 23715-23727 <sup>5.1</sup>	5.1	13
269	(INVITED) Positron annihilation spectroscopy and third harmonic generation studies on MnO mixed lead zirconium silicate glass ceramics. <i>Optical Materials: X</i> , <b>2019</b> , 1, 100024	1.7	0
268	Free volume estimation in Au and Ag mixed sodium antimonate glass ceramics by means of positron annihilation. <i>Physica B: Condensed Matter</i> , <b>2019</b> , 570, 266-273	2.8	8
267	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> , <b>2019</b> , 521, 119529	3.9	4

266	Optical properties of Sm <sup>3+</sup> doped strontium bismuth borosilicate glasses for laser applications. <i>Optical Materials</i> , <b>2019</b> , 89, 68-79	3.3	24
265	Influence of silver ion concentration on dielectric characteristics of Li <sub>2</sub> O-Nb <sub>2</sub> O <sub>5</sub> -P <sub>2</sub> O <sub>5</sub> glasses. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 773, 654-665	5.7	16
264	Characterization, optical and luminescence features of cobalt ions in multi-component PbO Al <sub>2</sub> O <sub>3</sub> TeO <sub>2</sub> GeO <sub>2</sub> SiO <sub>2</sub> glass ceramics. <i>Optical Materials</i> , <b>2019</b> , 88, 289-298	3.3	11
263	Structural and physical characteristics of Au <sub>2</sub> O <sub>3</sub> -doped sodium antimonate glasses [Part II electrical characteristics. <i>Journal of the American Ceramic Society</i> , <b>2019</b> , 102, 1921-1941	3.8	10
262	Influence of cobalt ions on dielectric features and a.c. conductivity of lead bismuth silicate glasses. <i>Physica B: Condensed Matter</i> , <b>2019</b> , 566, 136-145	2.8	5
261	Analysis of red mud doped Bi <sub>2</sub> O <sub>3</sub> -B <sub>2</sub> O <sub>3</sub> -BaO glasses for application as glass solder in radiation shield repair using MCNPX simulation. <i>Ceramics International</i> , <b>2019</b> , 45, 7619-7626	5.1	8
260	Influence of some thermally resistant transition metal oxides on emission features of Pr <sup>3+</sup> ions in zinc borate glasses. <i>Journal of Non-Crystalline Solids</i> , <b>2019</b> , 503-504, 243-251	3.9	3
259	Spectroscopic and thermal analysis of lead-free multipurpose radiation shielding glasses. <i>Ceramics International</i> , <b>2019</b> , 45, 5332-5338	5.1	9
258	Spectroscopic, dielectric dispersion and dc conductivity studies of Sb <sub>2</sub> O <sub>3</sub> doped lithium fluoro borophosphate glasses mixed with small concentrations of NiO. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 752, 179-190	5.7	16
257	Laser stimulated third harmonic generation studies in ZnO-Ta <sub>2</sub> O <sub>5</sub> B <sub>2</sub> O <sub>3</sub> glass ceramics entrenched with Zn <sub>3</sub> Ta <sub>2</sub> O <sub>8</sub> crystal phases. <i>Optical Materials</i> , <b>2018</b> , 76, 90-96	3.3	10
256	Influence of Bi <sup>3+</sup> ions on optical and luminescence properties of multi- component P <sub>2</sub> O <sub>5</sub> -PbO-Ga <sub>2</sub> O <sub>3</sub> -Pr <sub>2</sub> O <sub>3</sub> glass system. <i>Optical Materials</i> , <b>2018</b> , 77, 178-186	3.3	2
255	Violet-blue emission characteristics of Pr <sup>3+</sup> ions codoped with Ti <sup>4+</sup> ions in lead arsenate glass system. <i>Journal of Luminescence</i> , <b>2018</b> , 199, 416-422	3.8	4
254	Effect of modifier on the silver based fast ion conducting glasses for solid state batteries. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 8446-8455	2.1	3
253	Synthesis and in vitro characterization of cerium oxide mixed calcium oxy fluoro borophosphate bioactive glasses by means of spectroscopic studies. <i>Journal of Non-Crystalline Solids</i> , <b>2018</b> , 498, 422-429	3.9	8
252	Dielectric features, relaxation dynamics and a.c. conductivity studies on Ag <sup>+</sup> mixed lead arsenate glass ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 1153-1172	2.1	10
251	Investigation on silver doped B <sub>2</sub> O <sub>3</sub> -Bi <sub>2</sub> O <sub>3</sub> -P <sub>2</sub> O <sub>5</sub> -Na <sub>2</sub> O -CaO bioglass system for biomedical applications. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 734, 318-328	5.7	13
250	Influence of strontium on structure, bioactivity and corrosion behaviour of B <sub>2</sub> O <sub>3</sub> -Bi <sub>2</sub> O <sub>3</sub> -Na <sub>2</sub> O-CaO glasses-investigation by spectroscopic methods. <i>Optical Materials</i> , <b>2018</b> , 84, 292-300	3.3	5
249	Role of molybdenum ions in lead zinc phosphate glass system by means of dielectric studies. <i>Materials Science-Poland</i> , <b>2018</b> , 36, 623-629	0.6	

248	In vitro degradation studies on bioactive calcium fluoroborophosphate glasses mixed with some modifier oxides-influence of therapeutically active vanadium ions. <i>Materials Chemistry and Physics</i> , <b>2018</b> , 205, 376-390	4.4	9
247	Positron annihilation exploration of voids in zinc zirconium borate glass ceramics entrenched with ZnZrO <sub>3</sub> perovskite crystal phases. <i>Journal of the European Ceramic Society</i> , <b>2018</b> , 38, 2010-2016	6	12
246	Spectroscopic properties of PbO/B <sub>2</sub> O <sub>3</sub> /Bi <sub>2</sub> O <sub>3</sub> : MnO glass system. <i>Materials Today: Proceedings</i> , <b>2018</b> , 5, 26397-26404	1.4	0
245	An in-vitro bioactive, structural and degradation studies on B <sub>2</sub> O <sub>3</sub> /Bi <sub>2</sub> O <sub>3</sub> /B <sub>2</sub> O <sub>5</sub> /Na <sub>2</sub> O/CaO glass system incorporated with chromium ions. <i>Materials Today: Proceedings</i> , <b>2018</b> , 5, 26280-26289	1.4	3
244	Optical absorption and photoluminescence properties of anadium ions in Lithium-tungsten-borate oxide glasses. <i>Materials Today: Proceedings</i> , <b>2018</b> , 5, 26290-26297	1.4	6
243	Influence of Ga <sup>3+</sup> ions on the structure and in vitro bioactivity of B <sub>2</sub> O <sub>3</sub> /Bi <sub>2</sub> O <sub>3</sub> /Na <sub>2</sub> O/CaO glass system. <i>Materials Today: Proceedings</i> , <b>2018</b> , 5, 26245-26254	1.4	0
242	Luminescence characteristics of Er <sup>3+</sup> ions in ZnO-Ta <sub>2</sub> O <sub>5</sub> /Nb <sub>2</sub> O <sub>5</sub> /ZrO <sub>2</sub> -B <sub>2</sub> O <sub>3</sub> glass system- A case study of energy transfer from ZnO to Er <sup>3+</sup> ions. <i>Optical Materials</i> , <b>2018</b> , 86, 87-94	3.3	11
241	Photo-induced non-linear optical studies on gallium alkali borate glasses doped with TiO <sub>2</sub> . <i>Applied Physics A: Materials Science and Processing</i> , <b>2018</b> , 124, 1	2.6	2
240	Dielectric dispersion, dipolar relaxation and a.c. conduction phenomena of NiO doped lead bismuth silicate glass system. <i>Journal of Non-Crystalline Solids</i> , <b>2018</b> , 500, 460-467	3.9	9
239	Concentration dependence of luminescence efficiency of Dy ions in strontium zinc phosphate glasses mixed with Pb O. <i>Luminescence</i> , <b>2017</b> , 32, 71-77	2.5	14
238	Investigations on electrical characteristics of (PbO) 30 (CuO) x (As <sub>2</sub> O <sub>3</sub> ) (70-x) glass ceramics. <i>Ceramics International</i> , <b>2017</b> , 43, 6385-6396	5.1	7
237	Luminescence emission features of Nd <sup>3+</sup> ions in PbO/B <sub>2</sub> O <sub>3</sub> glasses mixed with Sc <sub>2</sub> O <sub>3</sub> /Y <sub>2</sub> O <sub>3</sub> /HfO <sub>2</sub> . <i>Optical Materials</i> , <b>2017</b> , 69, 181-189	3.3	13
236	Physical characteristics of PbO/ZrO <sub>2</sub> /Bi <sub>2</sub> O <sub>3</sub> :TiO <sub>2</sub> glass ceramics embedded with Pb <sub>2</sub> Ti <sub>2</sub> O <sub>6</sub> cubic pyrochlore crystal phase: Part-I electrical properties. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 712, 672-686	5.7	17
235	Influence of Mn <sup>2+</sup> sensitizers on orange-red emission of Pr <sup>3+</sup> ions in BaO/Al <sub>2</sub> O <sub>3</sub> /B <sub>2</sub> O <sub>3</sub> /Bi <sub>2</sub> O <sub>3</sub> glass system. <i>Journal of Luminescence</i> , <b>2017</b> , 190, 379-385	3.8	13
234	Insulating characteristics of zinc niobium borate glass-ceramics. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 4066-4080	3.8	17
233	Influence of tungsten ion valence states on electrical characteristics of quaternary lithium-antimony-lead-germanate glasses. <i>Journal of Physics and Chemistry of Solids</i> , <b>2017</b> , 107, 108-117	3.9	8
232	J-O parameters versus photoluminescence characteristics of 40Li <sub>2</sub> O-4 MO (MO Nb <sub>2</sub> O <sub>5</sub> , MoO <sub>3</sub> and WO <sub>3</sub> )-55B <sub>2</sub> O <sub>3</sub> :1Nd <sub>2</sub> O <sub>3</sub> glass systems. <i>Optik</i> , <b>2017</b> , 142, 674-681	2.5	12
231	The energy transfer efficiency from Yb <sup>3+</sup> to Nd <sup>3+</sup> in SrOPb <sub>3</sub> O <sub>4</sub> ZnOP <sub>2</sub> O <sub>5</sub> glass system-Influence of lead ions. <i>Journal of Luminescence</i> , <b>2017</b> , 187, 281-289	3.8	8

230	Studies on dielectric dispersion, relaxation kinetics and a.c. conductivity of Na <sub>2</sub> O CuO SiO <sub>2</sub> glasses mixed with Bi <sub>2</sub> O <sub>3</sub> -Influence of redox behavior of copper ions. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 696, 1260-1268	5.7	33
229	Bioactive properties of CuO doped CaF <sub>2</sub> -CaO-B <sub>2</sub> O <sub>3</sub> -P <sub>2</sub> O <sub>5</sub> -MO(M=Ba, Sr, Zn, Mg) glasses. <i>Ceramics International</i> , <b>2017</b> , 43, 4335-4343	5.1	20
228	In vitro investigations on CoO doped CaF <sub>2</sub> CaO B <sub>2</sub> O <sub>3</sub> P <sub>2</sub> O <sub>5</sub> MO bioactive glasses by means of spectroscopic studies. <i>Optical Materials</i> , <b>2017</b> , 73, 628-637	3.3	8
227	Luminescence properties of Sm <sup>3+</sup> ions doped heavy metal oxide tellurite-tungstate-antimonate glasses. <i>Ceramics International</i> , <b>2017</b> , 43, 16467-16473	5.1	29
226	Physical characteristics of PbO-ZrO <sub>2</sub> -BiO <sub>2</sub> :TiO <sub>2</sub> glass ceramics embedded with Pb <sub>2</sub> Ti <sub>2</sub> O <sub>6</sub> cubic pyrochlore crystal phase: Part-III piezo-optical acoustic and elastic properties. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 725, 318-325	5.7	9
225	Third order nonlinear optical effects of ZnO-ZrO <sub>2</sub> -B <sub>2</sub> O <sub>3</sub> glass ceramics embedded with ZnZrO <sub>3</sub> perovskite crystal phases. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 16403-16414	2.1	10
224	Influence of Y <sub>2</sub> O <sub>3</sub> , Sc <sub>2</sub> O <sub>3</sub> and HfO <sub>2</sub> dopants on green emission of Er <sup>3+</sup> ions in PbO-B <sub>2</sub> O <sub>3</sub> glasses. <i>Journal of Luminescence</i> , <b>2017</b> , 192, 443-451	3.8	12
223	Influence of Bi <sup>3+</sup> ions on the amplification of 1.3 $\mu$ m emission of Pr <sup>3+</sup> ions in lead silicate glasses for the applications in second telecom window communications. <i>Journal of Luminescence</i> , <b>2017</b> , 182, 312-322	3.8	35
222	Spectroscopic and structural properties of Cr <sup>3+</sup> ions in lead niobium germanosilicate glasses. <i>Journal of Luminescence</i> , <b>2017</b> , 183, 17-25	3.8	24
221	Influence of Bi <sup>3+</sup> ions on low temperature D.C. conductivity of Na <sub>2</sub> SiCuO <sub>4</sub> glasses. <i>Ionics</i> , <b>2017</b> , 23, 655-664	6.4	6
220	Thermoluminescence features of alumina-mixed borophosphate glasses with Tb <sup>3+</sup> ions for dosimetric applications. <i>International Journal of Applied Glass Science</i> , <b>2017</b> , 8, 188-195	1.8	12
219	On identifying efficient modifier oxide in improving bioactivity of Fe <sub>2</sub> O <sub>3</sub> doped calcium oxy fluoro borophosphate glasses. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 692, 219-226	5.7	16
218	Influence of red lead on the intensity of green and orange emissions of Sm <sup>3+</sup> and Ho <sup>3+</sup> co-doped ZnO-B <sub>2</sub> O <sub>3</sub> -P <sub>2</sub> O <sub>5</sub> glass system. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 695, 668-681	5.7	22
217	Are the phosphorus-rich Na <sub>2</sub> O-CaO-B <sub>2</sub> O <sub>3</sub> -BiO <sub>2</sub> -P <sub>2</sub> O <sub>5</sub> glasses bioactive and what is an influence of doping with manganese oxide?. <i>Materials Science-Poland</i> , <b>2017</b> , 35, 760-766	0.6	2
216	Influence of local structural disorders on spectroscopic properties of multi-component CaF <sub>2</sub> -Bi <sub>2</sub> O <sub>3</sub> -P <sub>2</sub> O <sub>5</sub> -B <sub>2</sub> O <sub>3</sub> glass ceramics with Cr <sup>3+</sup> as nucleating agent. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2016</b> , 153, 281-8	4.4	12
215	Effect of ZrO <sub>2</sub> on the bioactive properties of B <sub>2</sub> O <sub>3</sub> -BiO <sub>2</sub> -P <sub>2</sub> O <sub>5</sub> -Na <sub>2</sub> O-CaO glass system. <i>Journal of Non-Crystalline Solids</i> , <b>2016</b> , 452, 23-29	3.9	22
214	Influence of modifier oxide on emission features of Dy <sup>3+</sup> ion in Pb <sub>3</sub> O <sub>4</sub> -ZnO-P <sub>2</sub> O <sub>5</sub> glasses. <i>Optical Materials</i> , <b>2016</b> , 60, 594-600	3.3	32
213	Influence of $\gamma$ -ray-induced effects on dielectric dispersion of CuO-doped calcium fluoroborophosphate glass system. <i>Ionics</i> , <b>2016</b> , 22, 1625-1634	2.7	7

212	Effect of tin ions on enhancing the intensity of narrow luminescence line at 311nm of Gd <sup>3+</sup> ions in Li <sub>2</sub> OPbOP <sub>2</sub> O <sub>5</sub> glass system. <i>Optical Materials</i> , <b>2016</b> , 57, 39-44	3.3	15
211	Study of gamma ray induced defect centers in MnO doped calcium fluoro borophosphate glasses by means of EPR spectroscopy. <i>Materials Letters</i> , <b>2016</b> , 167, 284-287	3.3	1
210	Enhancement of orange emission of Co <sup>2+</sup> ions with Bi <sup>3+</sup> ions in lead silicate glasses. <i>Journal of Luminescence</i> , <b>2016</b> , 172, 47-52	3.8	18
209	Transport and spectroscopic properties of nickel ions in ZnOB <sub>2</sub> O <sub>3</sub> P <sub>2</sub> O <sub>5</sub> glass system. <i>Optik</i> , <b>2016</b> , 127, 2920-2923	2.5	14
208	Influence of Sb <sub>2</sub> O <sub>3</sub> on tellurite based glasses for photonic applications. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 687, 898-905	5.7	24
207	Influence of alumina on photoluminescence and thermoluminescence characteristics of Gd <sup>3+</sup> doped barium borophosphate glasses. <i>Journal of Luminescence</i> , <b>2016</b> , 179, 44-49	3.8	22
206	Improving green emission of Tb ions in BaO-B <sub>2</sub> O <sub>3</sub> -P <sub>2</sub> O <sub>5</sub> glasses by means of Al ions. <i>Luminescence</i> , <b>2016</b> , 31, 1358-1363	2.5	10
205	Amplification of green emission of Ho <sup>3+</sup> ions in lead silicate glasses by sensitizing with Bi <sup>3+</sup> ions. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 683, 114-122	5.7	32
204	Structural and electrical properties of zinc tantalum borate glass ceramic. <i>Ceramics International</i> , <b>2016</b> , 42, 17269-17282	5.1	24
203	Structural influence of Bi <sup>3+</sup> ions on physical properties of Na <sub>2</sub> CuSiO <sub>4</sub> glasses photoluminescence and thermoluminescence studies. <i>Journal of Non-Crystalline Solids</i> , <b>2016</b> , 449, 50-54	3.9	6
202	Luminescence properties of Pr <sup>3+</sup> doped Li <sub>2</sub> O-MO-B <sub>2</sub> O <sub>3</sub> glasses. <i>Journal of Luminescence</i> , <b>2015</b> , 161, 147-153	3.8	29
201	Influence of Nd <sup>3+</sup> ions on TL characteristics of Li <sub>2</sub> O-MO-B <sub>2</sub> O <sub>3</sub> (MO = ZnO, CaO, CdO) glass system. <i>Journal of Theoretical and Applied Physics</i> , <b>2015</b> , 9, 119-125	1.4	7
200	Infrared luminescence and thermoluminescence of lithium borate glasses doped with Sm <sup>3+</sup> ions. <i>Materials Science-Poland</i> , <b>2015</b> , 33, 144-151	0.6	7
199	Enrichment of orange emission of Er <sup>3+</sup> ion with Sn <sup>4+</sup> ion as sensitizer in lithium lead phosphate glass system. <i>Optical Materials</i> , <b>2015</b> , 48, 51-58	3.3	13
198	Bioactivity studies on TiO <sub>2</sub> bearing Na <sub>2</sub> O-CaO-SiO <sub>2</sub> -B <sub>2</sub> O <sub>3</sub> glasses. <i>Materials Science and Engineering C</i> , <b>2015</b> , 57, 240-8	8.3	34
197	Influence of tin ions on AC conductivity and dielectric features of Li <sub>2</sub> OPbOB <sub>2</sub> O <sub>5</sub> glass system. <i>Ionics</i> , <b>2015</b> , 21, 3051-3063	2.7	2
196	Influence of Al <sup>3+</sup> ions on luminescence efficiency of Eu <sup>3+</sup> ions in barium boro-phosphate glasses. <i>Journal of Non-Crystalline Solids</i> , <b>2015</b> , 419, 75-81	3.9	64
195	Dielectric dispersion and ac conduction phenomena of Li <sub>2</sub> OSb <sub>2</sub> O <sub>3</sub> PbOGeO <sub>2</sub> :Cr <sub>2</sub> O <sub>3</sub> glass system. <i>Materials Science in Semiconductor Processing</i> , <b>2015</b> , 35, 96-108	4.3	26



194	Luminescence and spectroscopic properties of ZnF <sub>2</sub> -MnO-TeO <sub>2</sub> glasses doped with Ho <sup>3+</sup> ions. <i>Journal of Molecular Structure</i> , <b>2015</b> , 1093, 166-171	3.4	9
193	Insulating and Other Physical Properties of CoO-Doped Zinc Oxyfluoride-Borate Glass-Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2015</b> , 98, 413-422	3.8	18
192	Thermal Luminescence of Ho <sub>2</sub> O <sub>3</sub> -PbO-Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> Glasses Exposed to Gamma Radiation. <i>International Journal of Applied Glass Science</i> , <b>2015</b> , 6, 128-136	1.8	7
191	Influence of sesquioxides on luminescence features of Nd <sup>3+</sup> ions in PbO-B <sub>2</sub> O <sub>3</sub> -F <sub>2</sub> O <sub>3</sub> glass system. <i>Physica B: Condensed Matter</i> , <b>2015</b> , 457, 117-125	2.8	7
190	Physical and spectroscopic properties of multi-component Na <sub>2</sub> O-PbO-Bi <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> glass ceramics with Cr <sub>2</sub> O <sub>3</sub> as nucleating agent. <i>Optical Materials</i> , <b>2015</b> , 47, 315-322	3.3	19
189	γ-Ray induced thermoluminescence characteristics of the PbO-Al <sub>2</sub> O <sub>3</sub> -Bi <sub>2</sub> O <sub>3</sub> :Pr <sup>3+</sup> glass system. <i>Journal of Luminescence</i> , <b>2015</b> , 161, 417-421	3.8	13
188	Spectroscopic features of Ni(2+) ion in PbO-Bi <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> glass system. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 141, 263-71	4.4	30
187	The influence of In <sub>2</sub> O <sub>3</sub> on electrical characteristics of iron mixed Li <sub>2</sub> O-PbO-B <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> -Bi <sub>2</sub> O <sub>3</sub> multi-component glass system. <i>Ceramics International</i> , <b>2014</b> , 40, 8311-8322	5.1	8
186	Effect of alkali-earth modifier ion on electrical, dielectric and spectroscopic properties of Fe <sub>2</sub> O <sub>3</sub> doped Na <sub>2</sub> SO <sub>4</sub> -MOP <sub>2</sub> O <sub>5</sub> glass system. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 604, 352-362	5.7	50
185	Influence of copper ions on thermoluminescence characteristics of CaF <sub>2</sub> -B <sub>2</sub> O <sub>3</sub> -P <sub>2</sub> O <sub>5</sub> glass system. <i>Ceramics International</i> , <b>2014</b> , 40, 3707-3713	5.1	31
184	Influence of Al <sup>3+</sup> ions on self up-conversion in Ho <sup>3+</sup> doped lead silicate glasses. <i>Optical Materials</i> , <b>2014</b> , 36, 1189-1196	3.3	27
183	Optical and structural investigation of Dy <sup>3+</sup> -Nd <sup>3+</sup> co-doped in magnesium lead borosilicate glasses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2014</b> , 118, 744-51	4.4	30
182	Influence of induced structural changes on thermoluminescence characteristics of γ-ray irradiated PbO-Al <sub>2</sub> O <sub>3</sub> -Bi <sub>2</sub> O <sub>3</sub> : Dy <sup>3+</sup> glasses. <i>Journal of Molecular Structure</i> , <b>2014</b> , 1073, 174-180	3.4	19
181	Optical and dielectric features of zinc oxy fluoro borate glass ceramics with TiO <sub>2</sub> as crystallizing agent. <i>Ceramics International</i> , <b>2014</b> , 40, 2249-2260	5.1	16
180	Influence of modifier oxide on dielectric dispersion and a.c. conduction phenomena of Li <sub>2</sub> O-B <sub>2</sub> O <sub>3</sub> -TeO <sub>2</sub> glass system. <i>Journal of Non-Crystalline Solids</i> , <b>2014</b> , 386, 67-75	3.9	18
179	Studies on γ-ray induced structural changes in Nd <sup>3+</sup> doped lead alumino silicate glasses by means of thermoluminescence for dosimetric applications in high dose ranges. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 616, 257-262	5.7	28
178	Spectroscopic properties and luminescence behaviour of europium doped lithium borate glasses. <i>Physica B: Condensed Matter</i> , <b>2014</b> , 454, 148-156	2.8	46
177	Molybdenum ion: a structural probe in lithium-antimony-germanate glass system by means of dielectric and spectroscopic studies. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 6203-6216	4.3	4

176	Influence of modifier oxide on Spectroscopic properties of Ho <sup>3+</sup> : V <sup>4+</sup> co-doped Na <sub>2</sub> O-Bi <sub>2</sub> O <sub>3</sub> -ZrO <sub>2</sub> glasses. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 586, 159-168	5.7	14
175	Studies on optimizing sesquioxide contents to enhance luminescence efficiency of Pr <sup>3+</sup> ions in PbO-PbF <sub>2</sub> -B <sub>2</sub> O <sub>3</sub> glass system. <i>Journal of Molecular Structure</i> , <b>2014</b> , 1073, 164-173	3.4	14
174	Spectroscopic and dielectric response of zinc bismuth phosphate glasses as a function of chromium content. <i>Materials Research Bulletin</i> , <b>2014</b> , 57, 58-66	5.1	16
173	Dielectric and spectroscopic features of ZnO-nF <sub>2</sub> B <sub>2</sub> O <sub>3</sub> :MoO <sub>3</sub> glass ceramic – possible material for plasma display panels. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2014</b> , 25, 4902-4915	2.1	5
172	Dosimetric and kinetic parameters of lithium cadmium borate glasses doped with rare earth ionsPeer review under responsibility of The Egyptian Society of Radiation Sciences and Applications.View all notes. <i>Journal of Radiation Research and Applied Sciences</i> , <b>2014</b> , 7, 519-525	1.5	12
171	Physical properties of ZnF <sub>2</sub> -B <sub>2</sub> O <sub>3</sub> -TeO <sub>2</sub> :TiO <sub>2</sub> glass ceramicsPart III dielectric dispersion and ac conduction phenomena. <i>Ceramics International</i> , <b>2014</b> , 40, 5989-5996	5.1	23
170	Optical and structural investigation of Eu <sup>3+</sup> ions in Nd <sup>3+</sup> co-doped magnesium lead borosilicate glasses. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 557, 209-217	5.7	67
169	De-quenching influence of aluminum ions on Y/B ratio of Dy <sup>3+</sup> ions in lead silicate glass matrix. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 575, 375-381	5.7	41
168	Influence of sesquioxides on fluorescence emission of Yb <sup>3+</sup> ions in PbO-PbF <sub>2</sub> -B <sub>2</sub> O <sub>3</sub> glass system. <i>Journal of Non-Crystalline Solids</i> , <b>2013</b> , 378, 265-272	3.9	13
167	Gamma ray induced changes on vibrational spectroscopic properties of strontium alumino-borosilicate glasses. <i>Vibrational Spectroscopy</i> , <b>2013</b> , 69, 49-56	2.1	23
166	Spectroscopic properties of Sm <sup>3+</sup> and V <sup>4+</sup> ions in Na <sub>2</sub> O-Bi <sub>2</sub> O <sub>3</sub> -ZrO <sub>2</sub> glasses. <i>Journal of Molecular Structure</i> , <b>2013</b> , 1054-1055, 339-348	3.4	12
165	Dielectric and Spectroscopic properties of CuO doped multi-component Li <sub>2</sub> O-PbO-B <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> -Bi <sub>2</sub> O <sub>3</sub> -Al <sub>2</sub> O <sub>3</sub> glass system. <i>Journal of Non-Crystalline Solids</i> , <b>2013</b> , 370, 21-30	3.9	36
164	Spectroscopic features of manganese doped tellurite borate glass ceramics. <i>Journal of Physics and Chemistry of Solids</i> , <b>2013</b> , 74, 229-235	3.9	17
163	Influence of Ga <sup>3+</sup> ions on spectroscopic and dielectric features of multi component lithium lead boro bismuth silicate glasses doped with manganese ions. <i>Materials Research Bulletin</i> , <b>2013</b> , 48, 4618-4627	5.7	10
162	Studies on influence of aluminium ions on the bioactivity of B <sub>2</sub> O <sub>3</sub> -Bi <sub>2</sub> O <sub>3</sub> -P <sub>2</sub> O <sub>5</sub> -Na <sub>2</sub> O-CaO glass system by means of spectroscopic studies. <i>Applied Surface Science</i> , <b>2013</b> , 287, 46-53	6.7	46
161	Optical and structural investigation of Sm <sup>3+</sup> -Nd <sup>3+</sup> co-doped in magnesium lead borosilicate glasses. <i>Journal of Physics and Chemistry of Solids</i> , <b>2013</b> , 74, 410-417	3.9	26
160	Fluorescence spectroscopic studies of Mn <sup>2+</sup> ions in SrO-Al <sub>2</sub> O <sub>3</sub> -B <sub>2</sub> O <sub>3</sub> -Bi <sub>2</sub> O <sub>3</sub> glass system. <i>Optical Materials</i> , <b>2013</b> , 35, 402-406	3.3	19
159	Manifestation of up-conversion in Yb <sup>3+</sup> /Tm <sup>3+</sup> doped Li <sub>2</sub> O-Al <sub>2</sub> O <sub>3</sub> -Bi <sub>2</sub> O <sub>3</sub> glass system. <i>Applied Physics B: Lasers and Optics</i> , <b>2013</b> , 110, 335-344	1.9	13

158	Thermoluminescence study of MnO doped borophosphate glass samples for radiation dosimetry. <i>Journal of Non-Crystalline Solids</i> , <b>2013</b> , 368, 40-44	3.9	27
157	The de-clustering influence of aluminum ions on the emission features of Nd <sup>3+</sup> ions in PbO-BiO <sub>2</sub> glasses. <i>Optics Communications</i> , <b>2013</b> , 298-299, 135-140	2	23
156	Influence of Al declustering on the photoluminescent properties of Pr <sup>3+</sup> ions in PbO-BiO <sub>2</sub> glasses. <i>Journal of Non-Crystalline Solids</i> , <b>2013</b> , 362, 201-206	3.9	25
155	AC CONDUCTION PHENOMENON OF Li <sub>2</sub> O-MO <sub>3</sub> B <sub>2</sub> O <sub>3</sub> GLASSES DOPED WITH V <sub>2</sub> O <sub>5</sub> . <i>Functional Materials Letters</i> , <b>2013</b> , 06, 1350032	1.2	3
154	Fluorescence Features of Samarium Ion in PbO-B <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> Glass System. <i>Transactions of the Indian Ceramic Society</i> , <b>2013</b> , 72, 13-17	1.8	
153	The structural influence of aluminium ions on emission characteristics of Sm <sup>3+</sup> ions in lead aluminium silicate glass system. <i>Materials Research Bulletin</i> , <b>2012</b> , 47, 267-273	5.1	24
152	Role of modifier oxide in emission spectra and kinetics of Er-Ho codoped Na <sub>2</sub> SO <sub>4</sub> -MO-P <sub>2</sub> O <sub>5</sub> glasses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2012</b> , 86, 472-80	4.4	26
151	The role of ligand coordination on the spectral features of Yb <sup>3+</sup> ions in lead aluminum silicate glasses. <i>Journal of Molecular Structure</i> , <b>2012</b> , 1007, 185-190	3.4	29
150	Structural features of MoO <sub>3</sub> doped sodium sulpho borophosphate glasses by means of spectroscopic and dielectric dispersion studies. <i>Journal of Molecular Structure</i> , <b>2012</b> , 1016, 39-46	3.4	38
149	Influence of yttrium ions on the emission transfer features of Ce <sup>3+</sup> /Yb <sup>3+</sup> co-doped lithium silicate glasses. <i>Optical Materials</i> , <b>2012</b> , 34, 1381-1388	3.3	33
148	Influence of valence states and co-ordination of cobalt ions on dielectric properties of PbO-Bi <sub>2</sub> O <sub>3</sub> -As <sub>2</sub> O <sub>3</sub> :CoO glass system. <i>Physica B: Condensed Matter</i> , <b>2012</b> , 407, 581-588	2.8	10
147	Spectroscopical splitting of Cu ion energy levels in magnesium lead fluoro silicate glasses. <i>Physica B: Condensed Matter</i> , <b>2012</b> , 407, 593-597	2.8	17
146	Influence of ligand coordination of cobalt ions on structural properties of ZnO-ZnF <sub>2</sub> -B <sub>2</sub> O <sub>3</sub> glass system by means of spectroscopic studies. <i>Physica B: Condensed Matter</i> , <b>2012</b> , 407, 712-718	2.8	27
145	Emission characteristics of Dy <sup>3+</sup> ions in lead antimony borate glasses. <i>Applied Physics B: Lasers and Optics</i> , <b>2012</b> , 108, 455-461	1.9	31
144	Optical absorption, ESR, FT-IR spectral studies of iron ions in lead oxyfluoro silicate glasses. <i>Journal of Molecular Structure</i> , <b>2012</b> , 1021, 7-12	3.4	13
143	Enhanced stokes shift of S <sub>2</sub> -R <sub>60</sub> emission and structural investigations of Sn(IV)Porphyrins doped hybrid borate glasses. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 513, 318-323	5.7	8
142	Dielectric dispersion and spectroscopic investigations on Na <sub>2</sub> SO <sub>4</sub> -B <sub>2</sub> O <sub>3</sub> -P <sub>2</sub> O <sub>5</sub> glasses mixed with low concentrations of TiO <sub>2</sub> . <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 515, 134-142	5.7	11
141	Piezoelectric and elastic properties of ZnF <sub>2</sub> -B <sub>2</sub> O <sub>3</sub> -TeO <sub>2</sub> : TiO <sub>2</sub> glass ceramics. <i>Journal of Non-Crystalline Solids</i> , <b>2012</b> , 358, 702-710	3.9	31

140	Influence of valence and coordination of manganese ions on spectral and dielectric features of Na <sub>2</sub> SO <sub>4</sub> B <sub>2</sub> O <sub>3</sub> P <sub>2</sub> O <sub>5</sub> glasses. <i>Journal of Non-Crystalline Solids</i> , <b>2012</b> , 358, 1278-1286	3.9	38
139	Electrical and spectroscopic properties of Fe <sub>2</sub> O <sub>3</sub> doped Na <sub>2</sub> SO <sub>4</sub> BaO-P <sub>2</sub> O <sub>5</sub> glass system. <i>Journal of Non-Crystalline Solids</i> , <b>2012</b> , 358, 3255-3267	3.9	47
138	Low temperature dielectric dispersion and electrical conductivity studies on Fe <sub>2</sub> O <sub>3</sub> mixed lithium yttrium silicate glasses. <i>Journal of Non-Crystalline Solids</i> , <b>2012</b> , 358, 3175-3186	3.9	22
137	Dc field induced optical effects in ZnF <sub>2</sub> PbO-TiO <sub>2</sub> :TiO <sub>2</sub> glass ceramics. <i>Ceramics International</i> , <b>2012</b> , 38, 2551-2562	5.1	33
136	Electrical, dielectric and spectroscopic studies on MnO doped LiI-AgI-B <sub>2</sub> O <sub>3</sub> glasses. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 013714	2.5	33
135	Polaronic behavior of MnO doped LiI-AgI-B <sub>2</sub> O <sub>3</sub> glass. <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 073705	2.5	12
134	Dielectric and spectroscopic investigations of lithium aluminium zirconium silicate glasses mixed with TiO <sub>2</sub> . <i>Philosophical Magazine</i> , <b>2011</b> , 91, 958-980	1.6	35
133	Spectroscopic and dielectric studies of meso-tetrakis(p-sulfonatophenyl) porphyrin doped hybrid borate glasses. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 2797-2803	5.7	11
132	Spectroscopy features of Pr <sup>3+</sup> and Er <sup>3+</sup> ions in Li <sub>2</sub> O-ZrO <sub>2</sub> -SiO <sub>2</sub> glass matrices mixed with some sesquioxides. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 9230-9239	5.7	32
131	Role of nickel ion coordination on spectroscopic and dielectric properties of ZnF <sub>2</sub> -As <sub>2</sub> O <sub>3</sub> -TeO <sub>2</sub> :NiO glass system. <i>Journal of Non-Crystalline Solids</i> , <b>2011</b> , 357, 1193-1202	3.9	50
130	The role of coordination and valence states of tungsten ions on some physical properties of Li <sub>2</sub> O-Al <sub>2</sub> O <sub>3</sub> -ZrO <sub>2</sub> -SiO <sub>2</sub> glass system. <i>Journal of Non-Crystalline Solids</i> , <b>2011</b> , 357, 3094-3102	3.9	34
129	The role of vanadium valence states and coordination on electrical conduction in lithium iodide borate glasses mixed with small concentration of silver iodide. <i>Journal of Non-Crystalline Solids</i> , <b>2011</b> , 357, 3538-3547	3.9	18
128	Spectral and fluorescent kinetics features of Nd <sup>3+</sup> ion in Nb <sub>2</sub> O <sub>5</sub> , Ta <sub>2</sub> O <sub>5</sub> and La <sub>2</sub> O <sub>3</sub> mixed lithium zirconium silicate glasses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2011</b> , 81, 498-503	4.4	20
127	Investigation on spectral features of tungsten ions in PbO-Bi <sub>2</sub> O <sub>3</sub> -As <sub>2</sub> O <sub>3</sub> glass matrix. <i>Physica B: Condensed Matter</i> , <b>2011</b> , 406, 4494-4499	2.8	12
126	Electrical and spectroscopic properties of LiF-Bi <sub>2</sub> O <sub>3</sub> -P <sub>2</sub> O <sub>5</sub> :TiO <sub>2</sub> glass system. <i>Materials Chemistry and Physics</i> , <b>2011</b> , 126, 58-68	4.4	24
125	Environment effect on the optical and photophysical investigation of Al(III)Porphyrins doped hybrid borate glasses. <i>Materials Chemistry and Physics</i> , <b>2011</b> , 130, 134-139	4.4	4
124	Photostimulated optical effects and some related features of CuO mixed Li <sub>2</sub> O-Nb <sub>2</sub> O <sub>5</sub> -ZrO <sub>2</sub> -SiO <sub>2</sub> glass ceramics. <i>Ceramics International</i> , <b>2011</b> , 37, 2763-2779	5.1	62
123	Influence of titanium ions on spectroscopic properties of TeO <sub>2</sub> -Sb <sub>2</sub> O <sub>3</sub> -B <sub>2</sub> O <sub>3</sub> : TiO <sub>2</sub> glass ceramics. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2011</b> , 8, 3082-3086		4

122	Microstructural, dielectric and spectroscopic properties of $\text{Li}_2\text{O}-\text{Nb}_2\text{O}_5-\text{V}_2\text{O}_5-\text{Bi}_2\text{O}_3$ glass system crystallized with $\text{V}_2\text{O}_5$ . <i>Journal of Physics and Chemistry of Solids</i> , <b>2011</b> , 72, 190-200	3.9	43
121	Emission features of $\text{Ho}^{3+}$ ion in $\text{Nb}_2\text{O}_5$ , $\text{Ta}_2\text{O}_5$ and $\text{La}_2\text{O}_3$ mixed $\text{Li}_2\text{O}-\text{V}_2\text{O}_5-\text{Bi}_2\text{O}_3$ glasses. <i>Physica B: Condensed Matter</i> , <b>2011</b> , 406, 3592-3598	2.8	18
120	Fluorescence features of $\text{Sm}^{3+}$ ions in $\text{Na}_2\text{SO}_4-\text{V}_2\text{O}_5$ glass system Influence of modifier oxide. <i>Journal of Luminescence</i> , <b>2011</b> , 131, 212-217	3.8	50
119	Role of $\text{Al}_2\text{O}_3$ in upconversion and NIR emission in $\text{Tm}^{3+}$ and $\text{Er}^{3+}$ codoped calcium fluoro phosphorous silicate glass system. <i>Journal of Luminescence</i> , <b>2011</b> , 131, 1443-1452	3.8	46
118	Influence of Crystallization on the Luminescence Characteristics of $\text{Pr}^{3+}$ Ions in $\text{PbO}-\text{Sb}_2\text{O}_3-\text{B}_2\text{O}_3$ Glass System. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 2004	3.8	40
117	Influence of aluminum ions on fluorescent spectra and upconversion in codoped $\text{CaF}_2-\text{Al}_2\text{O}_3-\text{B}_2\text{O}_5-\text{Bi}_2\text{O}_3:\text{Ho}^{3+}$ and $\text{Er}^{3+}$ glass system. <i>Journal of Applied Physics</i> , <b>2010</b> , 108, 023102	2.5	65
116	Fluorescence studies of $\text{Yb}^{3+}$ ions in lead antimony borate glass Influence of crystallization. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 492, 706-711	5.7	11
115	Optically induced effects in nano-crystallized $\text{PbO}-\text{Sb}_2\text{O}_3-\text{B}_2\text{O}_3:\text{Pr}_2\text{O}_3$ glasses. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 500, 9-15	5.7	24
114	Fe concentration dependent transport properties of $\text{Li}-\text{Ag}-\text{B}_2\text{O}_3$ glass system. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 507, 391-398	5.7	31
113	Influence of tungsten on the emission features of $\text{Nd}^{3+}$ , $\text{Sm}^{3+}$ and $\text{Eu}^{3+}$ ions in $\text{ZnF}_2-\text{WO}_3-\text{TeO}_2$ glasses. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 508, 278-291	5.7	71
112	Influence of modifier oxides on some physical properties of antimony borate glass system doped with $\text{V}_2\text{O}_5$ . <i>Materials Chemistry and Physics</i> , <b>2010</b> , 120, 89-97	4.4	27
111	Role of Al coordination in barium phosphate glasses on the emission features of $\text{Ho}^{3+}$ ion in the visible and IR spectral ranges. <i>Journal of Luminescence</i> , <b>2010</b> , 130, 498-506	3.8	37
110	Electrical conduction and other related properties of silver ion doped $\text{LiF}-\text{V}_2\text{O}_5-\text{B}_2\text{O}_5$ glass system. <i>Physica B: Condensed Matter</i> , <b>2010</b> , 405, 668-677	2.8	15
109	Fluorescence features of $\text{Tm}^{3+}$ ions in $\text{PbO}-\text{Sb}_2\text{O}_3-\text{B}_2\text{O}_3$ glass ceramics. <i>Physica B: Condensed Matter</i> , <b>2010</b> , 405, 1872-1880	2.8	16
108	Copper ion as a structural probe in lead bismuth arsenate glasses by means of dielectric and spectroscopic studies. <i>Physica B: Condensed Matter</i> , <b>2010</b> , 405, 4092-4100	2.8	14
107	Cobalt ion as a structural probe in $\text{PbO}-\text{As}_2\text{O}_3$ glass ceramics. <i>Solid State Communications</i> , <b>2010</b> , 150, 9-13	1.6	16
106	Microstructural, electrical, magnetic and spectroscopic properties of $\text{PbO}-\text{Sb}_2\text{O}_3-\text{As}_2\text{O}_3:\text{MnO}$ glass ceramics. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2010</b> , 207, 80-91	1.6	6
105	Influence of redox behavior of copper ions on dielectric and spectroscopic properties of $\text{Li}_2\text{O}-\text{MoO}_3-\text{B}_2\text{O}_3:\text{CuO}$ glass system. <i>Solid State Sciences</i> , <b>2009</b> , 11, 578-587	3.4	100

104	Spectroscopic and dielectric properties of ZnF <sub>2</sub> -As <sub>2</sub> O <sub>3</sub> -TeO <sub>2</sub> glass system doped with V <sub>2</sub> O <sub>5</sub> . <i>Physica B: Condensed Matter</i> , <b>2009</b> , 404, 1450-1464	2.8	34
103	Ag concentration dependent transport properties of LiF-MoO <sub>3</sub> -P <sub>2</sub> O <sub>5</sub> glasses. <i>Physica B: Condensed Matter</i> , <b>2009</b> , 404, 3748-3755	2.8	14
102	Induced crystallization and the physical properties of PbO-Sb <sub>2</sub> O <sub>3</sub> -As <sub>2</sub> O <sub>3</sub> : MoO <sub>3</sub> glass system. <i>Journal of Physics and Chemistry of Solids</i> , <b>2009</b> , 70, 669-679	3.9	13
101	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> , <b>2009</b> , 21, 245104	1.8	82
100	Fe <sub>2</sub> O <sub>3</sub> -induced crystallization and the physical properties of lead arsenate glass system. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 468, 466-472	5.7	23
99	Copper ion as a structural probe in PbO-TaF <sub>2</sub> -P <sub>2</sub> O <sub>5</sub> glass system by means of spectroscopic and dielectric studies. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 472, 489-496	5.7	12
98	Influence of Ag <sub>2</sub> O on some physical properties of LiF-TiO <sub>2</sub> -P <sub>2</sub> O <sub>5</sub> glass system. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 479, 549-556	5.7	19
97	Role of titanium valence states in optical and electronic features of PbO-Sb <sub>2</sub> O <sub>3</sub> -B <sub>2</sub> O <sub>3</sub> :TiO <sub>2</sub> glass alloys. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 482, 283-297	5.7	55
96	Influence of WO <sub>3</sub> on some physical properties of MO-Sb <sub>2</sub> O <sub>3</sub> -B <sub>2</sub> O <sub>3</sub> (M = Ca, Pb and Zn) glass system. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 485, 876-886	5.7	58
95	Spectroscopic and dielectric properties of crystallized PbO-Sb <sub>2</sub> O <sub>3</sub> -As <sub>2</sub> O <sub>3</sub> :NiO glass system. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 488, 400-408	5.7	13
94	Spectroscopic investigations on PbO-As <sub>2</sub> O <sub>3</sub> glasses crystallized with TiO <sub>2</sub> . <i>Philosophical Magazine</i> , <b>2009</b> , 89, 2255-2270	1.6	4
93	MnO induced crystallization and optical characteristics of PbO-Sb <sub>2</sub> O <sub>3</sub> -B <sub>2</sub> O <sub>3</sub> glass system. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2009</b> , 2, 012027	0.4	
92	Dielectric, magnetic and spectroscopic properties of Li <sub>2</sub> O-WO <sub>3</sub> -P <sub>2</sub> O <sub>5</sub> glass system with Ag <sub>2</sub> O as additive. <i>Materials Chemistry and Physics</i> , <b>2008</b> , 111, 283-292	4.4	50
91	Induced crystallization and physical properties of Li <sub>2</sub> O-TaF <sub>2</sub> -P <sub>2</sub> O <sub>5</sub> :TiO <sub>2</sub> glass system. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 450, 486-493	5.7	35
90	Induced crystallization and physical properties of Li <sub>2</sub> O-TaF <sub>2</sub> -P <sub>2</sub> O <sub>5</sub> :TiO <sub>2</sub> glass system: Part I. Characterization, spectroscopic and elastic properties. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 450, 477-485	5.7	29
89	Spectroscopic and dielectric studies on MnO doped PbO-Nb <sub>2</sub> O <sub>5</sub> -P <sub>2</sub> O <sub>5</sub> glass system. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 458, 66-76	5.7	67
88	Dielectric dispersion in Li <sub>2</sub> O-MoO <sub>3</sub> -B <sub>2</sub> O <sub>3</sub> glass system doped with V <sub>2</sub> O <sub>5</sub> . <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 464, 472-482	5.7	50
87	Influence of iron ions on dielectric properties of the PbO-Bi <sub>2</sub> O <sub>3</sub> -B <sub>2</sub> O <sub>3</sub> glass system. <i>Philosophical Magazine</i> , <b>2008</b> , 88, 1601-1614	1.6	9

86	Spectroscopic characterization, conductivity and relaxation anomalies in the Li <sub>2</sub> O-MgO-B <sub>2</sub> O <sub>3</sub> glass system: Effect of nickel ions. <i>Journal of Physics and Chemistry of Solids</i> , <b>2008</b> , 69, 2813-2826	3.9	19
85	NiO-induced crystallization and optical characteristics of Li <sub>2</sub> O-CaF <sub>2</sub> -P <sub>2</sub> O <sub>5</sub> glass system. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2008</b> , 205, 177-187	1.6	27
84	Nickel ion as a structural probe in PbO-Bi <sub>2</sub> O <sub>3</sub> -B <sub>2</sub> O <sub>3</sub> glass system by means of spectroscopic and dielectric studies. <i>Physica B: Condensed Matter</i> , <b>2008</b> , 403, 3751-3759	2.8	67
83	Luminescence spectroscopy of Ti ions in Li <sub>2</sub> O-CaF <sub>2</sub> -P <sub>2</sub> O <sub>5</sub> glass ceramics. <i>Journal of Luminescence</i> , <b>2008</b> , 128, 631-634	3.8	20
82	Influence of modifier oxide on spectroscopic and thermoluminescence characteristics of Sm <sup>3+</sup> ion in antimony borate glass system. <i>Journal of Luminescence</i> , <b>2008</b> , 128, 1791-1798	3.8	78
81	Dielectric properties of PbO-P <sub>2</sub> O <sub>5</sub> -As <sub>2</sub> O <sub>3</sub> glass system with Ga <sub>2</sub> O <sub>3</sub> as additive. <i>Solid State Communications</i> , <b>2008</b> , 145, 401-406	1.6	28
80	Optical absorption and self activated upconversion fluorescence spectra of Tm <sup>3+</sup> ions in antimony borate glass systems. <i>Solid State Communications</i> , <b>2008</b> , 146, 441-445	1.6	13
79	Features of the local structural disorder in Li <sub>2</sub> O-CaF <sub>2</sub> -P <sub>2</sub> O <sub>5</sub> glass-ceramics with Cr <sub>2</sub> O <sub>3</sub> as nucleating agent. <i>Physica B: Condensed Matter</i> , <b>2008</b> , 403, 702-710	2.8	17
78	Spectroscopic features of Pr <sup>3+</sup> , Nd <sup>3+</sup> , Sm <sup>3+</sup> and Er <sup>3+</sup> ions in Li <sub>2</sub> O-MO (Nb <sub>2</sub> O <sub>5</sub> , MoO <sub>3</sub> and WO <sub>3</sub> )-B <sub>2</sub> O <sub>3</sub> glass systems. <i>Physica B: Condensed Matter</i> , <b>2008</b> , 403, 2542-2556	2.8	54
77	Spectroscopic and dielectric studies on PbO-MoO <sub>3</sub> -B <sub>2</sub> O <sub>3</sub> glasses incorporating small concentrations of TiO <sub>2</sub> . <i>Philosophical Magazine</i> , <b>2007</b> , 87, 5763-5787	1.6	29
76	Influence of Chromium Ions on the Dielectric Properties of the PbO-Ga <sub>2</sub> O <sub>3</sub> -P <sub>2</sub> O <sub>5</sub> Glass System. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2007</b> , 62, 315-323	1.4	21
75	Thermoluminescence studies on PbO-Sb <sub>2</sub> O <sub>3</sub> -As <sub>2</sub> O <sub>3</sub> glasses doped with iron ions. <i>Optical Materials</i> , <b>2007</b> , 29, 566-572	3.3	22
74	Spectroscopic properties of copper ions in ZnO-ZnF <sub>2</sub> -B <sub>2</sub> O <sub>3</sub> glasses. <i>Optical Materials</i> , <b>2007</b> , 29, 1467-1474	3.3	42
73	Environment of Fe <sup>3+</sup> ion and its influence on dielectric and spectroscopic properties of PbO-Nb <sub>2</sub> O <sub>5</sub> -P <sub>2</sub> O <sub>5</sub> glasses. <i>Physica B: Condensed Matter</i> , <b>2007</b> , 389, 213-226	2.8	21
72	Dielectric spectra of Li <sub>2</sub> O-CaF <sub>2</sub> -P <sub>2</sub> O <sub>5</sub> glasses doped by silver ions. <i>Physica B: Condensed Matter</i> , <b>2007</b> , 396, 29-40	2.8	25
71	Characterization and physical properties of Li <sub>2</sub> O-CaF <sub>2</sub> -P <sub>2</sub> O <sub>5</sub> glass ceramics with Cr <sub>2</sub> O <sub>3</sub> as a nucleating agent-Physical properties. <i>Journal of Solid State Chemistry</i> , <b>2007</b> , 180, 2747-2755	3.3	69
70	Specific features of photo and thermoluminescence of Tb <sup>3+</sup> ions in BaO-M <sub>2</sub> O <sub>3</sub> (M=Ga, Al, In)-B <sub>2</sub> O <sub>5</sub> glasses. <i>Journal of Luminescence</i> , <b>2007</b> , 127, 637-644	3.8	51
69	Valence and coordination of chromium ions in ZnO-Sb <sub>2</sub> O <sub>3</sub> -B <sub>2</sub> O <sub>3</sub> glass system by means of spectroscopic and dielectric relaxation studies. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2007</b> , 204, 816-832	1.6	73

68	The structural influence of chromium ions in lead gallium phosphate glasses by means of spectroscopic studies. <i>Optical Materials</i> , <b>2007</b> , 30, 357-363	3.3	67
67	The structural investigations of PbO-PbO <sub>5</sub> B <sub>2</sub> O <sub>3</sub> glasses with MoO <sub>3</sub> as additive by means of dielectric, spectroscopic and magnetic studies. <i>Physica B: Condensed Matter</i> , <b>2007</b> , 393, 61-72	2.8	56
66	Molybdenum ion as a structural probe in PbO-Sb <sub>2</sub> O <sub>3</sub> -B <sub>2</sub> O <sub>3</sub> glass system by means of dielectric and spectroscopic investigations. <i>EPJ Applied Physics</i> , <b>2007</b> , 37, 203-211	1.1	21
65	Structural role of In <sub>2</sub> O <sub>3</sub> in PbO-PbO <sub>5</sub> As <sub>2</sub> O <sub>3</sub> glass system by means of spectroscopic and dielectric studies. <i>Journal of Alloys and Compounds</i> , <b>2007</b> , 431, 303-312	5.7	42
64	Structural influence of aluminium, gallium and indium metal oxides by means of dielectric and spectroscopic properties of CaO-Sb <sub>2</sub> O <sub>3</sub> -B <sub>2</sub> O <sub>3</sub> glass system. <i>Journal of Alloys and Compounds</i> , <b>2007</b> , 438, 41-51	5.7	69
63	Nickel ion as structural probe in BaO-Al <sub>2</sub> O <sub>3</sub> -P <sub>2</sub> O <sub>5</sub> glass system by means of dielectric, spectroscopic and magnetic studies. <i>Journal of Physics and Chemistry of Solids</i> , <b>2006</b> , 67, 2478-2488	3.9	47
62	The structural role of tungsten ions in PbO-Sb <sub>2</sub> O <sub>3</sub> -As <sub>2</sub> O <sub>3</sub> glass-system by means of spectroscopic investigations. <i>Materials Chemistry and Physics</i> , <b>2006</b> , 100, 211-216	4.4	35
61	Influence of aluminium ions on physical properties of PbO-P <sub>2</sub> O <sub>5</sub> -As <sub>2</sub> O <sub>3</sub> glasses. <i>EPJ Applied Physics</i> , <b>2006</b> , 34, 97-106	1.1	18
60	Dielectric and spectroscopic properties of PbO-Nb <sub>2</sub> O <sub>5</sub> -P <sub>2</sub> O <sub>5</sub> -V <sub>2</sub> O <sub>5</sub> glass system. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2006</b> , 203, 2083-2102	1.6	68
59	The structural role of chromium ions on the improvement of insulating character of ZnO-ZnF <sub>2</sub> -B <sub>2</sub> O <sub>3</sub> glass system by means of dielectric, spectroscopic and magnetic properties. <i>Physica B: Condensed Matter</i> , <b>2006</b> , 373, 297-305	2.8	39
58	Spectroscopic and magnetic studies of manganese ions in ZnO-Sb <sub>2</sub> O <sub>3</sub> -B <sub>2</sub> O <sub>3</sub> glass system. <i>Journal of Physics and Chemistry of Solids</i> , <b>2006</b> , 67, 789-795	3.9	68
57	Dielectric relaxation and a.c. conduction phenomena of PbO-BiF <sub>2</sub> -B <sub>2</sub> O <sub>3</sub> glasses doped with FeO. <i>Journal of Physics and Chemistry of Solids</i> , <b>2006</b> , 67, 2263-2274	3.9	44
56	Optical absorption and thermoluminescence studies on LiF-Sb <sub>2</sub> O <sub>3</sub> -B <sub>2</sub> O <sub>3</sub> glasses doped with Ni <sup>2+</sup> ions. <i>Journal of Luminescence</i> , <b>2006</b> , 117, 53-60	3.8	30
55	Study on the influence of TiO <sub>2</sub> on the insulating strength of ZnO-ZnF <sub>2</sub> -B <sub>2</sub> O <sub>3</sub> glasses by means of dielectric properties. <i>Solid State Communications</i> , <b>2006</b> , 139, 64-69	1.6	21
54	Optical and thermoluminescence properties of R <sub>2</sub> O-B <sub>2</sub> O <sub>3</sub> glass systems doped with MnO. <i>Journal of Non-Crystalline Solids</i> , <b>2005</b> , 351, 3752-3759	3.9	56
53	Spectroscopic investigations on ZnF <sub>2</sub> -MO-TeO <sub>2</sub> (MO=ZnO, CdO and PbO) glasses doped with chromium ions. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>2005</b> , 90, 97-113	2.1	32
52	Influence of titanium ions on optical properties of AF-B <sub>2</sub> O <sub>3</sub> glasses. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>2005</b> , 95, 373-386	2.1	19
51	Studies on dielectric properties of LiF-Sb <sub>2</sub> O <sub>3</sub> -B <sub>2</sub> O <sub>3</sub> :CuO glass system. <i>Materials Chemistry and Physics</i> , <b>2005</b> , 91, 381-390	4.4	42



50	Optical and magnetic properties of PbO <sub>8</sub> b <sub>2</sub> O <sub>3</sub> As <sub>2</sub> O <sub>3</sub> glasses containing vanadium ions. <i>Materials Letters</i> , <b>2005</b> , 59, 539-545	3.3	11
49	Dielectric dispersion in PbO <sub>8</sub> b <sub>2</sub> O <sub>3</sub> As <sub>2</sub> O <sub>3</sub> :V <sub>2</sub> O <sub>5</sub> glasses. <i>Journal of Physics and Chemistry of Solids</i> , <b>2005</b> , 66, 954-962	3.9	17
48	Spectroscopic, magnetic and dielectric investigations of BaO <sub>4</sub> a <sub>2</sub> O <sub>3</sub> P <sub>2</sub> O <sub>5</sub> glasses doped by Cu ions. <i>Physica Status Solidi A</i> , <b>2005</b> , 202, 2812-2828		57
47	Magnetic properties of PbO <sub>8</sub> b <sub>2</sub> O <sub>3</sub> As <sub>2</sub> O <sub>3</sub> glasses containing iron ions. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 284, 363-368	2.8	23
46	The role of titanium ions on structural, dielectric and optical properties of Li <sub>2</sub> O <sub>4</sub> MgO <sub>8</sub> B <sub>2</sub> O <sub>3</sub> glass system. <i>Materials Chemistry and Physics</i> , <b>2004</b> , 87, 357-369	4.4	62
45	Study on some physical properties of Li <sub>2</sub> O <sub>4</sub> MO <sub>8</sub> B <sub>2</sub> O <sub>3</sub> : V <sub>2</sub> O <sub>5</sub> glasses. <i>Physica B: Condensed Matter</i> , <b>2004</b> , 348, 256-271	2.8	66
44	Dielectric dispersion in the PbO <sub>4</sub> MoO <sub>3</sub> B <sub>2</sub> O <sub>3</sub> glass system. <i>Solid State Communications</i> , <b>2004</b> , 132, 235-240.	4.6	51
43	The role of As <sub>2</sub> O <sub>3</sub> on the stability and some physical properties of PbO <sub>8</sub> b <sub>2</sub> O <sub>3</sub> glasses. <i>Journal of Physics and Chemistry of Solids</i> , <b>2004</b> , 65, 1153-1164	3.9	33
42	Optical absorption, fluorescence and thermoluminescence properties of ZnF <sub>2</sub> MO <sub>4</sub> TeO <sub>2</sub> (MO=ZnO, CdO and PbO) glasses doped with Er <sup>3+</sup> ions. <i>Journal of Luminescence</i> , <b>2004</b> , 109, 193-205	3.8	30
41	Spectroscopic studies of titanium ions in PbO <sub>8</sub> b <sub>2</sub> O <sub>3</sub> As <sub>2</sub> O <sub>3</sub> glass system. <i>Optics Communications</i> , <b>2004</b> , 235, 341-349	2	88
40	Spectroscopic properties of MO-WO <sub>3</sub> -P <sub>2</sub> O <sub>5</sub> : Ho <sup>3+</sup> glasses. <i>EPJ Applied Physics</i> , <b>2004</b> , 26, 169-176	1.1	31
39	Studies on the influence of V <sub>2</sub> O <sub>5</sub> on dielectric relaxation and ac conduction phenomena of Li <sub>2</sub> O <sub>4</sub> MgO <sub>8</sub> B <sub>2</sub> O <sub>3</sub> glass system. <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 368, 25-37	5.7	58
38	Optical absorption, fluorescence and thermoluminescence properties of ZnF <sub>2</sub> MO <sub>4</sub> TeO <sub>2</sub> (MO=ZnO, CdO and PbO) glasses doped with Er <sup>3+</sup> ions. <i>Journal of Luminescence</i> , <b>2004</b> , 109, 193-205	3.8	26
37	Role of manganese ions on the stability of ZnF <sub>2</sub> P <sub>2</sub> O <sub>5</sub> TeO <sub>2</sub> glass system by the study of dielectric dispersion and some other physical properties. <i>Journal of Physics and Chemistry of Solids</i> , <b>2003</b> , 64, 133-148	3.9	40
36	Luminescence quenching by manganese ions in MO <sub>4</sub> a <sub>2</sub> F <sub>2</sub> B <sub>2</sub> O <sub>3</sub> glasses. <i>Optical Materials</i> , <b>2003</b> , 22, 295-302	3.3	29
35	The improved glass-forming ability and some physical properties of PbO <sub>8</sub> b <sub>2</sub> O <sub>3</sub> :Cr <sub>2</sub> O <sub>3</sub> glasses with As <sub>2</sub> O <sub>3</sub> as additive. <i>Physica Status Solidi A</i> , <b>2003</b> , 199, 389-402		41
34	Optical absorption and fluorescence properties of Er <sup>3+</sup> ion in MO <sub>4</sub> WO <sub>3</sub> P <sub>2</sub> O <sub>5</sub> glasses. <i>Journal of Physics and Chemistry of Solids</i> , <b>2003</b> , 64, 1027-1035	3.9	46
33	The Effect of Tungsten Ions on the Structure of PbO <sub>4</sub> As <sub>2</sub> O <sub>3</sub> Glasses. <i>Physica Status Solidi A</i> , <b>2002</b> , 191, 370-386		30

32	Characterization and Physical Properties of PbO-As <sub>2</sub> O <sub>3</sub> Glasses Containing Molybdenum Ions. <i>Journal of Solid State Chemistry</i> , <b>2002</b> , 166, 104-117	3.3	96
31	Physical properties of ZnF <sub>2</sub> -As <sub>2</sub> O <sub>3</sub> -TeO <sub>2</sub> glasses doped with Cr <sup>3+</sup> ions. <i>Physica B: Condensed Matter</i> , <b>2002</b> , 324, 127-141	2.8	66
30	Optical absorption and thermoluminescence properties of ZnF <sub>2</sub> -MO-TeO <sub>2</sub> (MO=As <sub>2</sub> O <sub>3</sub> , Bi <sub>2</sub> O <sub>3</sub> and P <sub>2</sub> O <sub>5</sub> ) glasses doped with chromium ions. <i>Journal of Luminescence</i> , <b>2002</b> , 99, 53-60	3.8	42
29	The role of iron ions on the structure and certain physical properties of PbO-As <sub>2</sub> O <sub>3</sub> glasses. <i>Journal of Physics and Chemistry of Solids</i> , <b>2002</b> , 63, 705-717	3.9	66
28	Study of CaO-WO <sub>3</sub> -B <sub>2</sub> O <sub>5</sub> glass system by dielectric properties, IR spectra and differential thermal analysis. <i>Journal of Non-Crystalline Solids</i> , <b>2002</b> , 298, 89-98	3.9	145
27	Study on certain physical properties of R <sub>2</sub> O-CaF <sub>2</sub> -B <sub>2</sub> O <sub>3</sub> :Cr <sub>2</sub> O <sub>3</sub> glasses. <i>Journal of Alloys and Compounds</i> , <b>2002</b> , 339, 54-64	5.7	38
26	Dielectric dispersion and certain other physical properties of PbO-Ca <sub>2</sub> O <sub>3</sub> -B <sub>2</sub> O <sub>5</sub> glass system. <i>Materials Letters</i> , <b>2002</b> , 56, 880-888	3.3	51
25	Thermoluminescence studies on Li <sub>2</sub> O-CaF <sub>2</sub> -B <sub>2</sub> O <sub>3</sub> glasses doped with manganese ions. <i>Materials Letters</i> , <b>2002</b> , 57, 403-408	3.3	44
24	Acoustic investigations on PbO-Al <sub>2</sub> O <sub>3</sub> -B <sub>2</sub> O <sub>3</sub> glasses doped with certain rare earth ions. <i>Bulletin of Materials Science</i> , <b>2001</b> , 24, 63-68	1.7	29
23	Composition dependence of electrical properties of ZnF <sub>2</sub> -MO-TeO <sub>2</sub> glasses. <i>Bulletin of Materials Science</i> , <b>2001</b> , 24, 421-429	1.7	26
22	Dielectric dispersion in ZnF <sub>2</sub> -Bi <sub>2</sub> O <sub>3</sub> -TeO <sub>2</sub> glass system. <i>Journal of Materials Science</i> , <b>2001</b> , 36, 5625-5632	4.3	60
21	Study on various physical properties of PbO-As <sub>2</sub> O <sub>3</sub> glasses containing manganese ions. <i>Journal of Alloys and Compounds</i> , <b>2001</b> , 327, 52-65	5.7	51
20	Influence of Cr <sup>3+</sup> ions on the structure and certain physical properties of PbO-As <sub>2</sub> O <sub>3</sub> glasses. <i>EPJ Applied Physics</i> , <b>2001</b> , 16, 11-22	1.1	25
19	Optical absorption and fluorescence spectral studies of Ho <sup>3+</sup> ions in PbO-Al <sub>2</sub> O <sub>3</sub> -B <sub>2</sub> O <sub>3</sub> glass system. <i>Journal of Physics and Chemistry of Solids</i> , <b>2000</b> , 61, 1567-1571	3.9	104
18	Dielectric properties of NaF-B <sub>2</sub> O <sub>3</sub> glasses doped with certain transition metal ions. <i>Bulletin of Materials Science</i> , <b>2000</b> , 23, 285-293	1.7	32
17	Acoustic Investigations on LiF-B <sub>2</sub> O <sub>3</sub> Glasses Doped With Certain Rare-Earth Ions. <i>Journal of Materials Science Letters</i> , <b>1999</b> , 18, 475-478		21
16	Optical Absorption and Photoluminescence Properties of Tb <sup>3+</sup> -doped KF-B <sub>2</sub> O <sub>3</sub> Glasses. <i>Journal of Materials Science Letters</i> , <b>1999</b> , 18, 55-57		10
15	Optical absorption and photoluminescence properties of Eu <sup>3+</sup> -doped ZnF <sub>2</sub> -B <sub>2</sub> O <sub>3</sub> -TeO <sub>2</sub> glasses. <i>Journal of Materials Science</i> , <b>1998</b> , 33, 2659-2662	4.3	56

14	Dielectric properties of ZnF <sub>2</sub> -PbO-TeO <sub>2</sub> glasses. <i>Journal of Physics and Chemistry of Solids</i> , <b>1998</b> , 59, 91-97	3.9	49
13	Dielectric properties of LiF-B <sub>2</sub> O <sub>3</sub> glasses doped with certain rare earth ions. <i>Bulletin of Materials Science</i> , <b>1998</b> , 21, 341-347	1.7	18
12	Dielectric Dispersion in CuO Doped ZnF <sub>2</sub> -PbO-TeO <sub>2</sub> Glasses. <i>Journal De Physique III</i> , <b>1997</b> , 7, 951-961		39
11	Optical absorption and photoluminescence properties of Pr <sup>3+</sup> -doped ZnF <sub>2</sub> -PbO-TeO <sub>2</sub> glasses. <i>Journal of Luminescence</i> , <b>1997</b> , 75, 57-62	3.8	18
10	Infrared spectral investigations on ZnF <sub>2</sub> -PbO-TeO <sub>2</sub> glasses. <i>Journal of Materials Science Letters</i> , <b>1997</b> , 16, 1816-1818		32
9	Elastic properties of ZnF <sub>2</sub> -PbO-TeO <sub>2</sub> glasses doped with certain rare earth ions. <i>Bulletin of Materials Science</i> , <b>1997</b> , 20, 667-675	1.7	10
8	Effect of DC Field and X-Ray Irradiation on Dielectric Properties of ZnF <sub>2</sub> -PbO-TeO <sub>2</sub> Glasses. <i>Physica Status Solidi A</i> , <b>1995</b> , 147, 601-610		22
7	Dielectric dispersion in aluminium doped zinc-manganese ferrites. <i>Physica Status Solidi A</i> , <b>1994</b> , 144, 235-241		4
6	Effect of X-ray irradiation on dielectric properties of ZnF <sub>2</sub> -PbO-TeO <sub>2</sub> glasses. <i>Journal of Materials Science Letters</i> , <b>1994</b> , 13, 1558-1560		6
5	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> , <b>1989</b> , 8, 107-109		
4	On Some Optical Properties of NaF Single Crystals X-Ray Irradiated under DC Fields. <i>Physica Status Solidi (B): Basic Research</i> , <b>1987</b> , 142, 587-593	1.3	3
3	Dielectric properties of LiF single crystals X-ray irradiated under d.c. fields. <i>Journal of Materials Science</i> , <b>1987</b> , 22, 2017-2022	4.3	31
2	Dielectric properties of LiF single crystals. <i>Journal of Materials Science</i> , <b>1981</b> , 16, 2571-2574	4.3	9
1	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