

Petru Pascuta

List of Publications by Year in descending order

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27
papers

1,223
citations

430874

18
h-index

552781

26
g-index

27
all docs

27
docs citations

27
times ranked

962
citing authors

#	ARTICLE	IF	CITATIONS
1	The local structure of bismuth borate glasses doped with europium ions evidenced by FT-IR spectroscopy. <i>Journal of Materials Science: Materials in Electronics</i> , 2008, 19, 424-428.	2.2	143
2	XRD and FTIR structural investigations of erbium-doped bismuth-lead-silver glasses and glass ceramics. <i>Journal of Alloys and Compounds</i> , 2009, 479, 579-582.	5.5	106
3	Influence of europium ions on structure and crystallization properties of bismuth borate glasses and glass ceramics. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 5475-5479.	3.1	97
4	Influence of iron ions on the structural and magnetic properties of some zinc-phosphate glasses. <i>Materials Chemistry and Physics</i> , 2010, 123, 767-771.	4.0	90
5	Thermal, structural and magnetic properties of some zinc phosphate glasses doped with manganese ions. <i>Journal of Alloys and Compounds</i> , 2011, 509, 4314-4319.	5.5	81
6	The local structure of bismuth germanate glasses and glass ceramics doped with europium ions evidenced by FT-IR spectroscopy. <i>Vibrational Spectroscopy</i> , 2008, 48, 281-284.	2.2	76
7	The structural role of manganese ions in some zinc phosphate glasses and glass ceramics. <i>Journal of Alloys and Compounds</i> , 2010, 504, 479-483.	5.5	75
8	FTIR spectroscopic study of some bismuth germanate glasses containing gadolinium ions. <i>Materials Letters</i> , 2008, 62, 4127-4129.	2.6	68
9	The effect of copper ions addition on structural and optical properties of zinc borate glasses. <i>Journal of Non-Crystalline Solids</i> , 2012, 358, 839-846.	3.1	67
10	Structural and electronic properties of tellurite glasses. <i>Journal of Materials Science</i> , 2009, 44, 3235-3240.	3.7	46
11	Structural investigation of bismuth borate glass ceramics containing gadolinium ions by X-ray diffraction and FTIR spectroscopy. <i>Journal of Materials Science: Materials in Electronics</i> , 2009, 20, 360-365.	2.2	45
12	Influence of europium ions on structure and crystallization properties of bismuth-alumino-borate glasses and glass ceramics. <i>Journal of Molecular Structure</i> , 2009, 924-926, 214-220.	3.6	43
13	Structural investigations of some bismuth-borate-vanadate glasses doped with gadolinium ions. <i>Journal of Materials Science: Materials in Electronics</i> , 2010, 21, 338-342.	2.2	41
14	FTIR and Raman spectroscopic investigation of some strontium-borate glasses doped with iron ions. <i>Journal of Materials Science: Materials in Electronics</i> , 2010, 21, 548-553.	2.2	41
15	XRD and EPR structural investigation of some zinc borate glasses doped with iron ions. <i>Journal of Physics and Chemistry of Solids</i> , 2012, 73, 221-226.	4.0	35
16	Structural and magnetic properties of zinc ferrite incorporated in amorphous matrix. <i>Ceramics International</i> , 2011, 37, 3343-3349.	4.8	33
17	Influence of Sm ³⁺ :Ag codoping on structural and spectroscopic properties of lead tellurite glass ceramics. <i>Ceramics International</i> , 2015, 41, 2931-2939.	4.8	23
18	Effects of Er ³⁺ :Ag codoping on structural and spectroscopic properties of lead tellurite glass ceramics. <i>Ceramics International</i> , 2014, 40, 11001-11007.	4.8	19

#	ARTICLE	IF	CITATIONS
19	Structural and spectroscopic effects of Ag ⁺ Eu ³⁺ codoping of TeO ₂ -PbO glass ceramics. Journal of Materials Science, 2014, 49, 4620-4628.	3.7	17
20	Structural and thermal properties of some zinc borate glasses containing gadolinium ions. Journal of Materials Science: Materials in Electronics, 2011, 22, 1060-1066.	2.2	16
21	Effect of gadolinium ions on the structure and magnetic properties of zinc-borate glasses and glass ceramics. Journal of Materials Science, 2012, 47, 2345-2351.	3.7	13
22	Synthesis, structural and magnetic characterization of iron-zinc-borate glass ceramics containing nanocrystalline zinc ferrite. Journal of Materials Science: Materials in Electronics, 2012, 23, 582-588.	2.2	12
23	Spectroscopic study of some new cobalt-doped tellurite glass-ceramics. Journal of Materials Science, 2020, 55, 9962-9971.	3.7	12
24	Structural and spectroscopic properties of some neodymium-boro-germanate glasses and glass ceramics embedded with silver nanoparticles. Ceramics International, 2017, 43, 12232-12238.	4.8	11
25	Structural and physical characteristics of $x\text{Gd}_{2}\text{O}_{3}(100-x)[\text{Bi}_{2}\text{O}_{3}\text{B}_{2}\text{O}_{3}]$ glasses. Journal of Physics: Conference Series, 2009, 182, 012062.	0.4	8
26	A spectroscopic study of the influence of CuO addition on the ZnO-TeO ₂ glass and glass ceramics. Journal of Non-Crystalline Solids, 2018, 498, 430-436.	3.1	5
27	Characterization of the Structural Properties of Zinc Phosphate Glass Ceramics Doped with Manganese Ions Following Thermal Treatment. Analytical Letters, 2019, 52, 37-44.	1.8	0