

**Pentru verificarea indicatorilor I si P**

Numarul publicatiei	Referinta bibliografica	Primul autor sau autor corespondent	$a_i$	$n_i$	$n_i^{ef}$	$a_i/n_i^{ef}$
1.	Raman and IR spectroscopic studies of manganese doped GeO <sub>2</sub> -Bi <sub>2</sub> O <sub>3</sub> glasses, <b>Baia, L.</b> , Iliescu, T., Simon, S., Kiefer, W., 2001, Journal of Molecular Structure 599, pp. 9-13	x	0,375	4	4	0,0937
2.	Confocal micro-Raman spectroscopy: Theory and application to a hybrid polymer coating, <b>Baia, L.</b> , Gigant, K., Posset, U., Schottner, G., Kiefer, W., Popp, J., 2002, Applied Spectroscopy 56 (4) , pp. 536-540	x	0,501	6	5,33	0,0939
3.	Structural investigations of copper doped B <sub>2</sub> O <sub>3</sub> -Bi <sub>2</sub> O <sub>3</sub> glasses with high bismuth oxide content, <b>Baia, L.</b> , Stefan, R., Kiefer, W., Popp, J., Simon, S., 2002, Journal of Non-Crystalline Solids 303 (3) , pp. 379-386	x	0,511	5	5	0,1022
4.	Confocal Raman investigations on hybrid polymer coatings, <b>Baia, L.</b> , Gigant, K., Posset, U., Petry, R., Schottner, G., Kiefer, W., Popp, J., 2002, Vibrational Spectroscopy 29 (1-2) , pp. 245-249	x	0,632	7	5,66	0,1115
5.	Inorganic-organic cross-linking in UV curable hard coats based upon vinyltriethoxysilane-tetraethoxysilane-polyfunctional acrylate hybrid polymers: A Raman spectroscopic study, Gigant, K., Posset, U., Schottner, G., <b>Baia, L.</b> , Kiefer, W., Popp, J., 2003, Journal of Sol-Gel Science and Technology 26 (1-3) , pp. 369-373		0,423	6	5,33	0,0793
6.	Characterization of diffusion processes of pharmacologically relevant molecules through polydimethylsiloxane membranes by confocal micro-resonance Raman spectroscopy, Schmitt, M., Leimeister, B., <b>Baia, L.</b> , Weh, B., Zimmermann, I., Kiefer, W., Popp, J.,		1,318	7	5,66	0,2325

	2003, ChemPhysChem 4 (3) , pp. 296-299					
7.	Vibrational spectroscopy of highly iron doped B <sub>2</sub> O <sub>3</sub> -Bi <sub>2</sub> O <sub>3</sub> glass systems, <b>Baia, L.</b> , Stefan, R., Popp, J., Simon, S., Kiefer, W., 2003, Journal of Non-Crystalline Solids 324 (1-2) , pp. 109-117	x	0,511		5	0,1022
8.	Structure-property correlations in hybrid sol-gel coatings as revealed by Raman spectroscopy, Posset, U., Gigant, K., Schottner, G., <b>Baia, L.</b> , Popp, J., 2004, Optical Materials 26 (2) , pp. 173-179		0,567	5	5	0,1134
9.	Surface-enhanced raman scattering and density functional theoretical study of anthranil adsorbed on colloidal silver particles, Baia, M., <b>Baia, L.</b> , Kiefer, W., Popp, J., 2004, Journal of Physical Chemistry B 108 (45) , pp. 17491-17496		1,331	4	4	0,3327
10.	Structural of characteristics of B <sub>2</sub> O <sub>3</sub> -Bi <sub>2</sub> O <sub>3</sub> glasses with high transition metal oxide content, <b>Baia, L.</b> , Stefan, R., Kiefer, W., Simon, S., 2005, Journal of Raman Spectroscopy 36 (3) , pp. 262-266	x	0,641	4	4	0,1602
11.	Gold nanostructured films deposited on polystyrene colloidal crystal templates for surface-enhanced Raman spectroscopy, Baia, M., <b>Baia, L.</b> , Astilean, S., 2005, Chemical Physics Letters 404 (1-3) , pp. 3-8		0,762	3	3	0,254
12.	The influence of manganese cations on the structure of lead high bismuthate glasses and glass ceramics, Radu, A., <b>Baia, L.</b> , Kiefer, W., Simon, S., 2005, Vibrational Spectroscopy 39 (2) , pp. 127-130		0,632	4	4	0,158
13.	Vibrational and EPR spectroscopic investigation of heavy-metal-oxide glasses and vitroceraics containing manganese, Simon, S., <b>Baia, L.</b> ,		0,641	3	3	0,2136

	Radu, A., 2006, Journal of Raman Spectroscopy 37 (1-3), pp. 183-188					
14.	Surface-enhanced Raman scattering efficiency of truncated tetrahedral Ag nanoparticle arrays mediated by electromagnetic couplings, Baia, M., <b>Baia, L.</b> , Astilean, S., Popp, J., 2006 Applied Physics Letters 88 (14), art. no. 143121		1,398	4	4	0,349
15.	Probing the enhancement mechanisms of SERS with p-aminothiophenol molecules adsorbed on self-assembled gold colloidal nanoparticles, Baia, M., Toderas, F., <b>Baia, L.</b> , Popp, J., Astilean, S., 2006, Chemical Physics Letters 422 (1-3), pp. 127-132		0,762	5	5	0,1524
16.	Synthesis and nanostructural characterization of TiO <sub>2</sub> aerogels for photovoltaic devices, <b>Baia, L.</b> , Peter, A., Cosoveanu, V., Indrea, E., Baia, M., Popp, J., Danciu, V., 2006, Thin Solid Films 511-512, pp. 512-516	x	0,642	7	5.666	0,1133
17.	Structural and morphological properties of silver nanoparticles-phosphate glass composites, <b>Baia, L.</b> , Baia, M., Kiefer, W., Popp, J., Simon, S., 2006, Chemical Physics 327 (1), pp. 63-69	x	0,701	5	5	0,1402
18.	Gold films deposited over regular arrays of polystyrene nanospheres as highly effective SERS substrates from visible to NIR, <b>Baia, L.</b> , Baia, M., Popp, J., Astilean, S., 2006, Journal of Physical Chemistry B 110 (47), pp. 23982-23986	x	1,331	4	4	0,3327
19.	Structural properties of silver nanoclusters-phosphate glass composites, <b>Baia, L.</b> , Muresan, D., Baia, M., Popp, J., Simon, S. 2007, Vibrational Spectroscopy 43 (2), pp. 313-318	x	0,632	5	5	0,1264
20.	Structural properties of some transition metal highly doped carbon aerogels, Cotet, L.C., Baia, M., <b>Baia, L.</b> , Popescu, I.C., Cosoveanu, V., Indrea, E., Popp, J., Danciu, V.		0,471	8	6	0,0785

	2007, Journal of Alloys and Compounds 434-435 (SPEC. ISS.) , pp. 854-857					
21.	Controlling gold nanoparticle assemblies for efficient surface-enhanced Raman scattering and localized surface plasmon resonance sensors, Toderas, F., Baia, M., <b>Baia, L.</b> , Astilean, S., 2007, Nanotechnology 18 (25) , art. no. 255702		1,24	4	4	0,31
22.	Porous nanoarchitectures based on TiO2 aerogels and Au particles as potential SERS sensor for monitoring of water quality, Baia, M., Danciu, V., Cosoveanu, V., <b>Baia, L.</b> , 2008, Vibrational Spectroscopy 48 (2) , pp. 206-209		0,632	4	4	0,158
23.	Synthesis, structural characterization, and photocatalytic properties of iron-doped TiO2 aerogels, Popa, M., Diamandescu, L., Vasiliu, F., Teodorescu, C.M., Cosoveanu, V., Baia, M., Feder, M., <b>Baia, L.</b> , Danciu, V., 2009, Journal of Materials Science 44 (2) , pp. 358-364	x	0,554	9	6.333	0,0874
24.	Multilayer structures of self-assembled gold nanoparticles as a unique SERS and SEIRA substrate, Baia, M., Toderas, F., <b>Baia, L.</b> , Maniu, D., Astilean, S., 2009, ChemPhysChem 10 (7) , pp. 1106-1111		1,318	5	5	0,2636
25.	Efficient dual functionality of highly porous nanocomposites based on TiO2 and noble metal particles, <b>Baia, L.</b> , Diamandescu, L., Barbu-Tudoran, L., Peter, A., Melinte, G., Danciu, V., Baia, M., 2011, Journal of Alloys and Compounds 509 (6) , pp. 2672-2678	x	0,471	7	5.666	0,0831
26.	Vibrational spectroscopic studies of germanium-high bismuthate glasses and vitroceramics, Ponta, O., <b>Baia, L.</b> , Baia, M., Simon, S., 2011,		0,452	4	4	0,113

	Zeitschrift für Physikalische Chemie 225 (6-7) , pp. 647-659					
27.	Hydrogen peroxide versus water synthesis of bioglass-nanocrystalline hydroxyapatite composites, Melinte, G., <b>Baia, L.</b> , Simon, V., Simon, S., 2011, Journal of Materials Science 46 (23) , pp. 7393-7400	x	0,554	4	4	0,1385
28.	Correlating the visible light photoactivity of N-doped TiO 2 with brookite particle size and bridged- nitro surface species, Pap, Z., <b>Baia, L.</b> , Mogyorósi, K., Dombi, A., Oszkó, A., Danciu, V., 2012, Catalysis Communications 17 , pp. 1-7		0,725	6	5,33	0,1359
29.	Dynamic changes on the surface during the calcination of rapid heat treated TiO 2 photocatalysts, Pap, Z., Karácsonyi, É., Cegléd, Z., Dombi, A., Danciu, V., Popescu, I.C., <b>Baia, L.</b> , Oszkó, A., Mogyorósi, K., 2012, Applied Catalysis B: Environmental 111-112 , pp. 595-604		1,425	9	6,33	0,225
30.	Silver effect on the structure of SiO 2- CaO-P 2O 5 ternary system, Vulpoi, A., <b>Baia, L.</b> , Simon, S., Simon, V., 2012, Materials Science and Engineering C 32 (2) , pp. 178-183	x	0,61	4	4	0,1525
31.	Bioactivity and protein attachment onto bioactive glasses containing silver nanoparticles, Vulpoi, A., Gruian, C., Vanea, E., <b>Baia, L.</b> , Simon, S., Steinhoff, H.-J., Göller, G., Simon, V., 2012, Journal of Biomedical Materials Research - Part A 100 A (5) , pp. 1179-1186		0,877	8	6	0,1461
32.	Gold nanoparticles developed in sol- gel derived apatite - Bioactive glass composites, Simon, S., Ciceo- Lucacel, R., Radu, T., <b>Baia, L.</b> , Ponta, O., Iepure, A., Simon, V., 2012, Journal of Materials Science: Materials in Medicine 23 (5) , pp. 1193-1201		0,597	7	5,66	0,1053
33.	Experimental assessment of the	x	0,641	5	5	0,1282

	phonon confinement in TiO <sub>2</sub> anatase nanocrystallites by Raman spectroscopy, Georgescu, D., <b>Baia, L.</b> , Ersen, O., Baia, M., Simon, S., 2012, Journal of Raman Spectroscopy 43 (7), pp. 876-883					
34.	The anchoring of fibrinogen to a bioactive glass investigated by FT-IR spectroscopy, Magyari, K., <b>Baia, L.</b> , Popescu, O., Simon, S., Simon, V. 2012, Vibrational Spectroscopy 62, pp. 172-179	x	0,632	5	5	0,1264
35.	Pap, Z., Karácsonyi, E., <b>Baia, L.</b> , Pop, L.C., Danciu, V., Hernádi, K., Mogyorósi, K., Dombi, A., TiO <sub>2</sub> /WO <sub>3</sub> /Au/MWCNT composite materials for photocatalytic hydrogen production: Advantages and drawbacks, (2012), Physica Status Solidi (B) Basic Research, 249 (12), pp. 2592-2595.		0,497	8	6	0,0828
36.	Mogyorósi, K., Karácsonyi, É., Cegléd, Z., Dombi, A., Danciu, V., <b>Baia, L.</b> , Pap, Z., New insights regarding the calcination as a critical parameter in the synthesis of sol-gel made titania powders, (2013) Journal of Sol-Gel Science and Technology, 65 (2), pp. 277-282.		0,423	7	5,66	0,0746
37.	Peter, A., Mihaly-Cozmuta, L., Mihaly-Cozmuta, A., Nicula, C., Barbu Tudoran, L., Vulpoi, A., <b>Baia, L.</b> , Photocatalytic Efficiency of Zeolite-Based TiO <sub>2</sub> Composites for Reduction of Cu (II): Kinetic Models, (2013) International Journal of Applied Ceramic Technology, DOI: 10.1111/ijac.12046.		0,579	7	5,66	0,1021
38.	Karácsonyi, É., <b>Baia, L.</b> , Dombi, A., Danciu, V., Mogyorósi, K., Pop, L.C., Kovács, G., Coșoveanu, V., Vulpoi, A., Simon, S., Pap, Z., The photocatalytic activity of TiO <sub>2</sub> /WO <sub>3</sub> /noble metal (Au or Pt) nanoarchitectures obtained by		0,975	11	7	0,1392

	selective photodeposition, (2013) Catalysis Today, 208, pp. 19-27.					
39.	Hidi, I.J., Melinte, G., Stefan, R., Bindea, M., <b>Baia, L.</b> , The study of the structure and bioactivity of the B <sub>2</sub> O <sub>3</sub> •Na <sub>2</sub> O•P <sub>2</sub> O <sub>5</sub> system, (2013) Journal of Raman Spectroscopy, 44, pp 1187-1194.		0,641	5	5	0,1282
40.	Iancu, V., Baia, M., Diamandescu, L., Pap, Z., Vlaicu, A.M., Danciu, V., <b>Baia, L.</b> , Weighting the influence of TiO <sub>2</sub> anatase/brookite ratio in TiO <sub>2</sub> -Ag porous nanocomposites on visible photocatalytic performances, (2013) Materials Chemistry and Physics, 141 (1), pp. 234-239.		0,69	7	5,66	0,1217
<b>Total</b>		<b>P=</b>	<b>9,93</b>		<b>I=</b>	<b>6,16</b>

#### Pentru verificarea indicatorului C

Numarul publicatiei care citeaza	Referinta bibliografica a publicatiei k care citeaza	$a_i$	$n_i$	$n_i^{ef}$	$c_i/n_i^{ef}$
	Raman and IR spectroscopic studies of manganese doped GeO <sub>2</sub> -Bi <sub>2</sub> O <sub>3</sub> glasses, <b>Baia, L.</b> , Iliescu, T., Simon, S., Kiefer, W., 2001, Journal of Molecular Structure 599, pp. 9-13 <b>40/4 = 10</b>				
1.	Effect of aluminum oxide codoping on copper-lead-germanate glasses, Rada, M., Chelcea, R., Rada, S., Rus, L., Dura, N., Ristoiu, T., Rusu, T., Culea, E. 2013, Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy 102 ,	0,387			
2.	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> -SiO <sub>2</sub> glass system, Rupesh Kumar, A., Rao, T.G.V.M., Veeraiah, N., Rami Reddy, M., 2013 Optical Materials 35 (3) , pp. 402-406	0,567			
3.	Review of Bi <sub>2</sub> O <sub>3</sub> based glasses for electronics and related applications, Maeder, T., 2013, International Materials Reviews 58 (1) , pp. 3-40	2,715			
4.	Glass formation and third-order optical nonlinear characteristics of bismuthate glasses within Bi <sub>2</sub> O <sub>3</sub> -GeO <sub>2</sub> -TiO <sub>2</sub> pseudo-ternary system, Chen, F., Song, B., Lin, C., Dai, S., Cheng, J., Heo, J., 2012, Materials Chemistry and Physics 135 (1) , pp. 73-79	0,69			
5.	Infrared study of Er <sup>3+</sup> /Yb <sup>3+</sup> co-doped GeO <sub>2</sub> -PbO-Bi <sub>2</sub> O <sub>3</sub> glass, Bahari, H.-R., Sidek, H.A.A., Adikan, F.R.M., Yunus,	0,537			

	W.M.M., Halimah, M.K., 2012, International Journal of Molecular Sciences 13 (7) , pp. 8609-8614				
6.	Influence of manganese ions on spectroscopic and dielectric properties of LiF-SrO-B <sub>2</sub> O <sub>3</sub> glasses, Ramesh Babu, A., Rajyasree, C., Vinaya Teja, P.M., Yusub, S., Krishna Rao, D., 2012, Journal of Non-Crystalline Solids 358 (11) , pp. 1391-1398	0,511			
7.	Broadband near-infrared luminescence from -ray irradiated bismuth-doped Y <sub>4</sub> GeO <sub>8</sub> crystals, Xu, B., Tan, D., Guan, M., Teng, Y., Zhou, J., Qiu, J., Hong, Z., 2011, Journal of the Electrochemical Society 158 (9) , pp. G203-G206	0,826			
8.	Effects of GeO <sub>2</sub> on the thermal stability and optical properties of Er <sup>3+</sup> /Yb <sup>3+</sup> -codoped oxyfluoride tellurite glasses, Zhang, Y., Lu, C., Feng, Y., Sun, L., Ni, Y., Xu, Z. 2011, Materials Chemistry and Physics 126 (3) , pp. 786-790	0,69			
9.	Structural and optical properties in gadolinium-aluminum-lead-germanate quaternary glasses, Rada, S., Culea, E. 2011, Journal of Non-Crystalline Solids 357 (7) , pp. 1724-1728	0,511			
10.	Influence of ceria addition on thermal properties and local structure of bismuth germanate glasses Rojas, S.S., De Souza, J.E., Andreetta, M.R.B., Hernandes, A.C., 2010, Journal of Non-Crystalline Solids 356 (52-54) , pp. 2942-2946	0,511			
11.	Infrared, Raman and XPS spectroscopic studies of Bi <sub>2</sub> O <sub>3</sub> -B <sub>2</sub> O <sub>3</sub> -GeO <sub>2</sub> glasses, Fan, H., Gao, G., Wang, G., Hu, L. 2010, Solid State Sciences 12 (4) , pp. 541-545	0,581			
12.	Structure, electrical, and optical properties of ZnO-substituted PbO for the Er <sup>3+</sup> /Yb <sup>3+</sup> co-doped Bi <sub>2</sub> O <sub>3</sub> - GeO <sub>2</sub> -Na <sub>2</sub> O glass system, Salem, S.M., Shaltout, I., 2010 Journal of Materials Science 45 (7) , pp. 1837-1845	0,554			
13.	Ultrasonic and FT-IR studies on Bi <sub>2</sub> O <sub>3</sub> -Er <sub>2</sub> O <sub>3</sub> -PbO glasses Gaafar, M.S., Marzouk, S.Y., Mady, H., 2009 Philosophical Magazine 89 (26) , pp. 2213-2224	0,692			
14.	Structure and property of multicomponent germanate glass containing Y <sub>2</sub> O <sub>3</sub> , Xiao, Z.H., Lu, A.X., Zuo, C.G. 2009, Advances in Applied Ceramics 108 (6) , pp. 325-331	0,342			
15.	Influence of Bi <sub>2</sub> O <sub>3</sub> on optical properties and structure of bismuth lithium phosphate glasses, Rani, S., Sanghi, S., Agarwal, A., Ahlawat, N., 2009, Journal of Alloys and Compounds 477 (1-2) , pp. 504-509	0,471			
16.	Photoluminescence enhancement by gold nanoparticles in Eu <sup>3+</sup> doped GeO <sub>2</sub> - Bi <sub>2</sub> O <sub>3</sub> glasses, Kassab, L.R.P., Da Silva, D.S., De Almeida, R., De Araújo, C.B., 2009, Applied Physics Letters 94 (10) , art. no. 101912	1,398			



17.	The local structure of bismuth germanate glasses and glass ceramics doped with europium ions evidenced by FT-IR spectroscopy, Pascuta, P., Pop, L., Rada, S., Bosca, M., Culea, E., 2008, Vibrational Spectroscopy 48 (2) , pp. 281-284	0,632			
18.	FTIR spectroscopic study of some bismuth germanate glasses containing gadolinium ions, Pascuta, P., Culea, E. 2008, Materials Letters 62 (25) , pp. 4127-4129	0,605			
19.	Spectroscopic studies of Bi <sub>2</sub> O <sub>3</sub> -Li <sub>2</sub> O-ZnO-B <sub>2</sub> O <sub>3</sub> glasses Bale, S., Rao, N.S., Rahman, S., 2008, Solid State Sciences 10 (3) , pp. 326-331	0,581			
20.	Study of structure and properties of ZnO-Bi <sub>2</sub> O <sub>3</sub> -P <sub>2</sub> O <sub>5</sub> glasses, Jiráček, J., Koudelka, L., Pospíšil, J., Mošner, P., Montagne, L., Delevoye, L., 2007, Journal of Materials Science 42 (20) , pp. 8592-8598	0,554			
21.	Gamma ray interaction with bismuth silicate glasses El Batal, F.H., 2007, Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms 254 (2) , pp. 243-253	0,333			
22.	Frequency upconversion properties of Er <sup>3+</sup> /Yb <sup>3+</sup> -codoped lead-germanium-bismuth oxide glasses, Nie, Q., Jiang, C., Wang, X., Xu, T., Li, H., 2006, Materials Research Bulletin 41 (8) , pp. 1496-1502	0,623			
23.	Intense frequency upconversion fluorescence emission of Er <sup>3+</sup> /Yb <sup>3+</sup> -codoped oxychloride germanate glass Sun, H.-t., Wen, L., Duan, Z.-c., Hu, L.-l., Zhang, J.-j., Jiang, Z.-h., 2006, Journal of Alloys and Compounds 414 (1-2) , pp. 142-145	0,471			
24.	Host dependent frequency upconversion of Er <sup>3+</sup> -doped oxyfluoride germanate glasses, Sun, H., Zhang, L., Liao, M., Zhou, G., Yu, C., Zhang, J., Hu, L., Jiang, Z., 2006 Journal of Luminescence 117 (2) , pp. 179-186	0,568			
25.	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 Reddy, M.S., Krishna, G.M., Veeraiyah, N., 2006, Journal of Physics and Chemistry of Solids 67 (4) , pp. 789-795	0,456			
26.	Optical transitions of Er <sup>3+</sup> and Yb <sup>3+</sup> ions in novel oxyfluoride bismuth-germanium glass: Observation of up-conversion, Sun, H., Yu, C., Duan, Z., Wen, L., Zhang, J., Hu, L., Dai, S., 2006, Optical Materials 28 (4) , pp. 448-452	0,567			
27.	Structural and up-conversion luminescence properties in Tm <sup>3+</sup> /Yb <sup>3+</sup> -codoped heavy metal oxide-halide glasses Sun, H., Duan, Z., Zhou, G., Yu, C., Liao, M., Hu, L., Zhang, J., Jiang, Z., 2006, Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy 63 (1) , pp. 149-153	0,387			

28.	Effect of chloride ions' introduction on structural, thermal stability, and spectroscopic properties in Yb <sup>3+</sup> /Er <sup>3+</sup> -codoped germanate-bismuth-lead glasses, Sun, H., Hu, L., Wen, L., Duan, Z., Zhang, J., Jiang, Z., 2005, Journal of the Optical Society of America B: Optical Physics 22 (12) , pp. 2601-2609	0,749			
29.	Intense frequency upconversion luminescence in Yb <sup>3+</sup> /Tm <sup>3+</sup> -codoped oxychloride germanate glasses, Sun, H., Yu, C., Duan, Z., Zhou, G., Zhang, J., Hu, L., Jiang, Z., 2005 Journal of Materials Science 40 (21) , pp. 5675-5678	0,554			
30.	Dielectric behavior and impedance spectroscopy of bismuth iron phosphate glasses, Moguš-Milanković, A., Šantić, A., Ličina, V., Day, D.E., 2005, Journal of Non-Crystalline Solids 351 (40-42) , pp. 3235-3245	0,511			
31.	Green and red upconversion luminescence in ytterbium-sensitized erbium-doped novel lead-free germanium-bismuth-lanthanum glass, Sun, H., Zhang, L., Zhang, J., Yu, C., Duan, Z., Hu, L., Jiang, Z., 2005, Journal of Non-Crystalline Solids 351 (27-29) , pp. 2361-2364	0,511			
32.	Investigation of the effect of fluoride ions introduction on structural, OH- content and up-conversion luminescence properties in Er <sup>3+</sup> -doped heavy metal oxide glasses Sun, H., Hu, L., Yu, C., Zhou, G., Duan, Z., Zhang, J., Jiang, Z., 2005, Chemical Physics Letters 408 (4-6) , pp. 179-185	0,762			
33.	Intense upconversion luminescence in ytterbium-sensitized thulium-doped novel oxychloride bismuth-germanium glass Sun, H., Yu, C., Zhang, L., Duan, Z., He, D., Zhang, J., Hu, L., Jiang, Z., 2005, Solid State Communications 134 (9) , pp. 595-599	0,743			
34.	Effect of PbCl <sub>2</sub> addition on structure, OH- content, and upconversion luminescence in Yb <sup>3+</sup> /Er <sup>3+</sup> -codoped germanate glasses, Sun, H., Zhang, L., Wen, L., Liao, M., Zhang, J., Hu, L., Dai, S., Jiang, Z., 2005, Applied Physics B: Lasers and Optics 80 (7) , pp. 881-888	0,745			
35.	Effect of oxygen substitution by halide ions on structure, thermal stability and upconversion fluorescence in Er <sup>3+</sup> /Yb <sup>3+</sup> -codoped germanium-bismuth glasses, Sun, H., Zhang, L., Yu, C., Duan, Z., Zhang, J., Dai, S., Hu, L., Jiang, Z. 2005, Solid State Communications 134 (7) , pp. 449-453	0,743			
36.	Intense upconversion luminescence in ytterbium-sensitized thulium-doped oxychloride germanate glass, Sun, H., Zhang, L., Zhang, J., Wen, L., Yu, C., Duan, Z., Dai, S., (...), Jiang, Z., 2005, Physica B: Condensed Matter 358 (1-4) , pp. 50-55	0,323			
37.	Composition dependent frequency upconversion	0,743			

	luminescence in Er <sup>3+</sup> -doped oxychloride germanate glasses Sun, H., Yang, J., Zhang, L., Zhang, J., Hu, L., Jiang, Z., 2005, Solid State Communications 133 (12), pp. 753-757				
38.	Structural and upconversion fluorescence properties of Er <sup>3+</sup> /Yb <sup>3+</sup> -codoped oxychloride lead-germanium-bismuth glass, Sun, H., Zhang, L., Zhao, S., Zhang, J., Yu, C., He, D., Duan, Z., (...), Jiang, Z., 2005, Solid State Communications 133 (6), pp. 357-361	0,743			
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