

Viorica Simon

List of Publications by Year in descending order

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papers

1,951
citations

218677

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120
docs citations

120
times ranked

2311
citing authors

#	ARTICLE	IF	CITATIONS
1	Co-Crystals of Etravirine by Mechanochemical Activation. Journal of Pharmaceutical Sciences, 2022, 111, 1178-1186.	3.3	2
2	Structural changes induced by long term storage of sodium phosphate glasses embedding uranium and thorium. Optical Materials, 2022, 124, 112022.	3.6	1
3	Heat treatment effect on nanostructured sol-gel derived lanthania doped with chromium. Journal of Non-Crystalline Solids, 2021, 555, 120624.	3.1	0
4	Surface properties of collagen-functionalized aluminosilicate particles embedding iron and dysprosium designed for cancer therapy. Journal of Molecular Structure, 2021, 1236, 130341.	3.6	4
5	Silica-based microspheres with aluminum-iron oxide shell for diagnosis and cancer treatment. Journal of Molecular Structure, 2021, 1246, 131149.	3.6	3
6	Structure-composition correlation in niobium containing borophosphate glasses. Journal of Non-Crystalline Solids, 2020, 542, 120102.	3.1	8
7	Synthesis and characterization of composite SiO ₂ -Al ₂ O ₃ -Fe ₂ O ₃ core-shell microspheres. Journal of Sol-Gel Science and Technology, 2020, 96, 395-404.	2.4	7
8	Synthesis and Preliminary Characterization of Modified 45s5 Bioglasses. Studia Universitatis Babeş-Bolyai Physica, 2020, 65, 19-25.	0.0	0
9	Network connectivity and dissolution properties of sodium calcium phosphate glasses. Journal of Molecular Structure, 2019, 1195, 364-368.	3.6	6
10	Thermoluminescence properties of 30Y ₂ O ₃ -30P ₂ O ₅ -40SiO ₂ vitroceraamics in mixed neutron-gamma fields. Applied Radiation and Isotopes, 2018, 135, 224-231.	1.5	1
11	XPS investigation of new solid forms of 5-fluorouracil with piperazine. Journal of Molecular Structure, 2018, 1165, 120-125.	3.6	34
12	Effect of selenium addition on network connectivity in P ₂ O ₅ -CaO-MgO-Na ₂ O glasses. Journal of Non-Crystalline Solids, 2018, 488, 10-13.	3.1	12
13	Structural effect of cobalt ions added to a borophosphate-based glass system. Journal of Non-Crystalline Solids, 2018, 481, 562-567.	3.1	19
14	Composition, technology and provenance of Roman pottery from Napoca (Cluj-Napoca, Romania). Journal of Archaeological Science, 2017, 80, 10-19.	0.6	10
15	Treating patients with Dynamic Wave Arc: First clinical experience. Radiotherapy and Oncology, 2017, 122, 347-351.	0.6	10
16	New solid state forms of antineoplastic 5-fluorouracil with anthelmintic piperazine. Journal of Molecular Structure, 2017, 1150, 37-43.	3.6	32
17	Titania effect on the bioactivity of silicate bioactive glasses. Journal of Raman Spectroscopy, 2016, 47, 1102-1108.	2.5	6
18	Attachment and conformational changes of collagen on bioactive glass surface. Bio-Medical Materials and Engineering, 2016, 27, 63-74.	0.6	6

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19	Initial characterization, dosimetric benchmark and performance validation of Dynamic Wave Arc. <i>Radiation Oncology</i> , 2016, 11, 63.	2.7	21
20	Gamma irradiation effect on bioactive glasses synthesized with polyethylene-glycol template. <i>Ceramics International</i> , 2016, 42, 1990-1997.	4.8	6
21	Synthesis, structure, bioactivity and biocompatibility of melt-derived $P_2O_5-CaO-B_2O_3-K_2O-MoO_3$ glasses. <i>Journal of Non-Crystalline Solids</i> , 2016, 439, 67-73.	3.1	19
22	Microscopic and spectroscopic investigation of an explanted opacified intraocular lens. <i>Applied Surface Science</i> , 2015, 325, 124-131.	6.1	3
23	Bioactivity evolution of the surface functionalized bioactive glasses. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2015, 103, 261-272.	3.4	30
24	Thermoluminescence investigations on $xY_2O_3 (60 \leq x)P_2O_5 \cdot 40SiO_2$ vitroceraamics. <i>Applied Radiation and Isotopes</i> , 2015, 98, 49-53.	1.5	6
25	In vitro short-time stability of a bioactive glass-chitosan composite coating evaluated by using electrochemical methods. <i>Electrochimica Acta</i> , 2015, 182, 707-714.	5.2	11
26	FTIR and EPR spectroscopic investigation of calcium-silicate glasses with iron and dysprosium. <i>Journal of Molecular Structure</i> , 2015, 1084, 23-27.	3.6	30
27	Synthesis and characterisation of nanostructured silica-powellite-HAP composites. <i>Journal of Materials Science</i> , 2015, 50, 577-586.	3.7	9
28	Adherence Properties of Acrylic Bone Cement to Alumina Ceramics Designed for Clinical Applications. <i>Acta Physica Polonica A</i> , 2014, 125, 603-605.	0.5	0
29	Freeze-dried and spray-dried zinc-containing silica microparticles entrapping insulin. <i>Journal of Biomaterials Applications</i> , 2014, 28, 1190-1199.	2.4	9
30	Novel selenium containing boro-phosphate glasses: Preparation and structural study. <i>Materials Science and Engineering C</i> , 2014, 39, 61-66.	7.3	38
31	Synthesis, characterisation and in vitro evaluation of sol-gel derived $SiO_2-P_2O_5-CaO-B_2O_3$ bioactive system. <i>Ceramics International</i> , 2014, 40, 9517-9524.	4.8	39
32	The influence of local structure and surface morphology on the antibacterial activity of silver-containing calcium borosilicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2014, 404, 98-103.	3.1	34
33	The effect of synthesis route and magnesium addition on structure and bioactivity of sol-gel derived calcium-silicate glasses. <i>Ceramics International</i> , 2014, 40, 14741-14748.	4.8	23
34	Addressing the optimal silver content in bioactive glass systems in terms of BSA adsorption. <i>Journal of Materials Chemistry B</i> , 2014, 2, 5799-5808.	5.8	27
35	Spark plasma sintered $Al_2O_3-YSZ-TiO_2$ composites: Processing, characterization and in vivo evaluation. <i>Materials Science and Engineering C</i> , 2014, 40, 16-23.	7.3	30
36	Development and in vitro assessment of bioactive glass/polymer nanostructured composites with silver. <i>Journal of Composite Materials</i> , 2014, 48, 63-70.	2.4	12

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37	The effects of PEG assisted synthesis and zinc addition on gamma irradiated bioactive glasses. Composites Part B: Engineering, 2014, 66, 83-88.	12.0	9
38	Surface Modification of Alumina/ Zirconia Ceramics Upon Different Fluoride-Based Treatments. International Journal of Applied Ceramic Technology, 2014, 11, 402-411.	2.1	18
39	Spectroscopic characterisation and in vitro behaviour of kaolinite polyvinyl alcohol nanocomposite. Applied Clay Science, 2013, 72, 147-154.	5.2	12
40	XPS and Raman study of zinc containing silica microparticles loaded with insulin. Applied Surface Science, 2013, 280, 144-150.	6.1	24
41	Photopyroelectric (PPE) calorimetry of composite materials. Journal of Thermal Analysis and Calorimetry, 2013, 111, 1129-1132.	3.6	7
42	Characterization of calcium phosphate powders originating from Phyllacanthus imperialis and Trochidae Infundibulum concavus marine shells. Materials Science and Engineering C, 2013, 33, 2569-2577.	7.3	34
43	Synthesis, characterisation and in vitro testing of macroporous zinc containing scaffolds obtained by sol-gel and sacrificial template methods. Journal of Non-Crystalline Solids, 2013, 373-374, 57-64.	3.1	8
44	Microscopic and spectroscopic investigation of bioactive glasses for antibiotic controlled release. Journal of Molecular Structure, 2013, 1040, 47-52.	3.6	29
45	Structure and Dynamics of Spin-Labeled Insulin Entrapped in a Silica Matrix by the Sol-Gel Method. Biomacromolecules, 2013, 14, 2582-2592.	5.4	12
46	<i>In vitro</i> evaluation of the effects of yttria-alumina-silica microspheres on human keratinocyte cells. Journal of Biomedical Materials Research - Part A, 2013, 101A, 472-477.	4.0	6
47	Histological findings in the Wistar rat cornea following UVB irradiation. Romanian Journal of Morphology and Embryology, 2013, 54, 247-52.	0.8	6
48	Short-range structure and in vitro behavior of ZnO-CaO-P ₂ O ₅ bioglasses. Journal of Non-Crystalline Solids, 2012, 358, 2803-2809.	3.1	18
49	The anchoring of fibrinogen to a bioactive glass investigated by FT-IR spectroscopy. Vibrational Spectroscopy, 2012, 62, 172-179.	2.2	18
50	FTIR and XPS studies of protein adsorption onto functionalized bioactive glass. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2012, 1824, 873-881.	2.3	82
51	Bioactivity and protein attachment onto bioactive glasses containing silver nanoparticles. Journal of Biomedical Materials Research - Part A, 2012, 100A, 1179-1186.	4.0	34
52	Gold nanoparticles developed in sol-gel derived apatite-bioactive glass composites. Journal of Materials Science: Materials in Medicine, 2012, 23, 1193-1201.	3.6	18
53	Silver effect on the structure of SiO ₂ -CaO-P ₂ O ₅ ternary system. Materials Science and Engineering C, 2012, 32, 178-183.	7.3	53
54	Synthesis and characterisation of a new composite aluminosilicate bioceramic. Journal of Non-Crystalline Solids, 2011, 357, 3791-3796.	3.1	16

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55	Doping and calcination effect on nanostructured aluminosilicates processed by sol-gel route. EPJ Applied Physics, 2011, 55, 30401.	0.7	2
56	Combined FPPEâ€“PTR Calorimetry Involving TWRC Technique II. Experimental: Application to Thermal Effusivity Measurements of Solids. International Journal of Thermophysics, 2011, 32, 2092-2101.	2.1	14
57	Hydrogen peroxide versus water synthesis of bioglassâ€“nanocrystalline hydroxyapatite composites. Journal of Materials Science, 2011, 46, 7393-7400.	3.7	13
58	XPS study of protein adsorption onto nanocrystalline aluminosilicate microparticles. Applied Surface Science, 2011, 257, 2346-2352.	6.1	90
59	Milling Effects on Hybrid Collagen / Inorganic Phase Composites. Materials Science Forum, 2011, 672, 129-132.	0.3	0
60	Interface processes between iron containing aluminosilicate systems and simulated body fluid enriched with protein. Journal of Materials Science: Materials in Medicine, 2010, 21, 1913-1920.	3.6	5
61	Combined FPPEâ€“PTR Calorimetry Involving TWRC Technique. Theory and Mathematical Simulations. International Journal of Thermophysics, 2010, 31, 2275-2282.	2.1	9
62	Structural and in vitro characterization of TiO ₂ -CaO-P ₂ O ₅ bioglasses. Journal of Non-Crystalline Solids, 2010, 356, 2869-2874.	3.1	35
63	Homogeneous Ag ₂ Oâ€“2P ₂ O ₅ â€“CaOâ€“GeO ₂ glass formation, structural and in vitro studies. Journal of Alloys and Compounds, 2010, 491, 335-339.	5.5	6
64	Transesterification of vegetable oils on basic large mesoporous alumina supported alkaline fluoridesâ€“Evidences of the nature of the active site and catalytic performances. Journal of Catalysis, 2009, 263, 56-66.	6.2	106
65	Photopyroelectric Detection of Vegetable Oils' Adulteration. Food Biophysics, 2009, 4, 147-150.	3.0	8
66	Atomic environment in solâ€“gel derived nanocrystalline hydroxyapatite. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 165, 247-251.	3.5	29
67	Surface functionalisation of solâ€“gel derived aluminosilicates in simulated body fluids. Solid State Ionics, 2009, 180, 764-769.	2.7	23
68	Thermal effusivity investigations of solid materials by using the thermal-wave-resonator-cavity (TWRC) configuration. Theory and mathematical simulations. Laser Physics, 2009, 19, 1340-1344.	1.2	16
69	Structural characterization of phosphate glasses doped with silver. Journal of Non-Crystalline Solids, 2009, 355, 425-429.	3.1	59
70	Spectroscopic studies on vitreous and polycrystalline heavy metal galliumâ€“bismuthates. Journal of Non-Crystalline Solids, 2009, 355, 2451-2455.	3.1	1
71	The effect of gadolinium addition on the surface structure of Bi ₂ O ₃ â€“GeO ₂ glasses and vitroceramics. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 1139-1143.	1.8	3
72	Short-range order changes induced by heat treatment in yttriumâ€“aluminosilicate glasses. Physica B: Condensed Matter, 2008, 403, 139-144.	2.7	7

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73	Silver release from hydroxyapatite self-assembling calcium-phosphate glasses. Journal of Non-Crystalline Solids, 2008, 354, 1751-1755.	3.1	47
74	YTTRIUM EFFECT ON LOCAL STRUCTURE OF BISMUTH-BORATE GLASSES. Modern Physics Letters B, 2007, 21, 567-571.	1.9	0
75	GLASS STABILITY EFFECT OF IRON OXIDE ADDED TO ALKALINE EARTH BORATE GLASSES. International Journal of Modern Physics B, 2007, 21, 731-736.	2.0	1
76	XPS study on silica-bismuthate glasses and glass ceramics. Solid State Communications, 2007, 141, 42-47.	1.9	37
77	Local order changes induced in calcium-sodium-phosphate glasses by transition metals. Solid State Ionics, 2007, 178, 221-225.	2.7	30
78	Structure and dissolution investigation of calcium-bismuth-borate glasses and vitroceramics containing silver. Journal of Materials Science: Materials in Medicine, 2007, 18, 507-512.	3.6	10
79	INFLUENCE OF CaO/P2O5 RATIO ON THE CORROSION BEHAVIOR OF POTASSIUM-LIME-PHOSPHATE GLASSES IN SIMULATED BIOLOGICAL MEDIA. Modern Physics Letters B, 2006, 20, 1685-1691.	1.9	3
80	Titanium-hydroxyapatite porous structures for endosseous applications. Journal of Materials Science: Materials in Medicine, 2005, 16, 1165-1171.	3.6	25
81	Iron doping effect on the electronic structure in yttrium aluminosilicate glasses. Journal of Non-Crystalline Solids, 2005, 351, 2365-2372.	3.1	20
82	THERMAL INVESTIGATION OF SiO2-Bi2O3 HEAVY METAL GLASSES. International Journal of Modern Physics B, 2005, 19, 3293-3299.	2.0	2
83	TRANSITION METALS EFFECT ON THE STRUCTURE OF PYRAZINAMIDE COMPLEXES. International Journal of Modern Physics B, 2004, 18, 63-70.	2.0	3
84	HEAT TREATMENT EFFECT ON CaO-P2O5-SiO2-Fe2O3 GLASS-CERAMICS STRUCTURE. International Journal of Modern Physics B, 2004, 18, 2215-2221.	2.0	5
85	ATOMIC ENVIRONMENT CHANGES INDUCED BY IRON ADDITION TO GALLIUM BISMUTHATE GLASSES. International Journal of Modern Physics B, 2004, 18, 45-52.	2.0	4
86	Thermal characterisation of gallium-bismuthate oxide glasses. Materials Letters, 2004, 58, 3778-3781.	2.6	10
87	Spectroscopic and magnetic behavior of xNd2O3(1-x)(3Bi2O3-PbO) glasses. Journal of Non-Crystalline Solids, 2004, 337, 62-67.	3.1	33
88	Change in dielectric properties induced by iron addition to gallium-bismuthate glasses. Journal of Non-Crystalline Solids, 2004, 343, 48-53.	3.1	1
89	Structural and magnetic properties of lead-bismuthate oxide glasses containing S-state paramagnetic ions. Journal of Non-Crystalline Solids, 2003, 331, 1-10.	3.1	57
90	Structural Characterisation of Silver Containing Bismuth-Borate Glasses by X-Ray Scattering. International Journal of Modern Physics B, 2003, 17, 3857-3863.	2.0	3

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91	STRUCTURAL AND CORROSION PROPERTIES OF SODIUM-CALCIUM-PHOSPHATE GLASSES. International Journal of Modern Physics B, 2003, 17, 5849-5854.	2.0	4
92	IRON INFLUENCE ON OPTICAL AND MAGNETIC PROPERTIES OF LEAD-BISMUTHATE GLASSES. Modern Physics Letters B, 2003, 17, 235-244.	1.9	1
93	ATOMIC ENVIRONMENT IN LEAD-BISMUTHATE GLASSES CONTAINING MANGANESE. Modern Physics Letters B, 2003, 17, 291-301.	1.9	9
94	IRON OXIDATION STATES AND DISTRIBUTION IN THE 4Bi ₂ O ₃ ·PbO GLASS MATRIX. Modern Physics Letters B, 2002, 16, 41-46.	1.9	3
95	LOCAL ORDER AND THERMAL DIFFUSIVITY IN IRON CONTAINING LIME-PHOSPHO-SILICATE GLASS-CERAMICS. Modern Physics Letters B, 2002, 16, 621-629.	1.9	1
96	IRON EFFECT ON DIELECTRIC PROPERTIES OF CALCIUM-SILICA-PHOSPHATE GLASSES. Modern Physics Letters B, 2002, 16, 677-683.	1.9	6
97	STRUCTURAL INVESTIGATIONS ON CALCIUM-SILICA-PHOSPHATE GLASSES. Modern Physics Letters B, 2002, 16, 761-767.	1.9	2
98	INFRARED SPECTROSCOPIC STUDIES ON AMORPHOUS AND CRYSTALLINE LANTHANUM ALUMINOBORATES. Modern Physics Letters B, 2002, 16, 291-298.	1.9	5
99	MAGNETIC AND ELECTRIC BEHAVIOUR OF SOME LEAD-BORATE GLASSES WITH MANGANESE IONS. International Journal of Modern Physics B, 2001, 15, 2359-2368.	2.0	1
100	EPR and magnetic susceptibility investigations of some vanadate-lithium-borate glasses. Journal of Alloys and Compounds, 2001, 326, 124-127.	5.5	35
101	Structural and magnetic investigations of the xCuO(100-x)[70TeO ₂ ·25B ₂ O ₃ ·5SrF ₂] glasses. Applied Physics A: Materials Science and Processing, 2001, 73, 481-484.	2.3	9
102	Structural investigation of Fe ₂ O ₃ -TeO ₂ -B ₂ O ₃ -SrO glasses by EPR. Journal of Materials Science Letters, 2001, 20, 947-949.	0.5	9
103	EPR AND PHOTOPYROELECTRIC INVESTIGATIONS OF Fe ₂ O ₃ -CaO-P ₂ O ₅ -SiO ₂ GLASS AND GLASS-CERAMIC SYSTEMS. Modern Physics Letters B, 2001, 15, 921-928.	1.9	5
104	MAGNETIC BEHAVIOR OF LEAD-BISMUTHATE GLASSES CONTAINING TRANSITION METAL ELEMENTS. Modern Physics Letters B, 2001, 15, 1231-1236.	1.9	2
105	EPR and magnetic susceptibility studies on V ₂ O ₅ -P ₂ O ₅ -PbO glasses. Journal of Materials Science: Materials in Electronics, 2000, 11, 401-404.	2.2	7
106	THE INFLUENCE OF MELTING TEMPERATURE ON IRON ION DISTRIBUTION IN Bi ₂ O ₃ ·PbO·As ₂ O ₃ GLASS MATRIX STUDIED BY EPR. Modern Physics Letters B, 2000, 14, 785-790.	1.9	1
107	PHOTOELECTRON SPECTROSCOPY ON IRON-CONTAINING CaO-SiO ₂ -P ₂ O ₅ GLASS CERAMICS. Modern Physics Letters B, 2000, 14, 767-772.	1.9	14
108	STRUCTURAL EFFECT OF THORIUM ON THE LOCAL ORDER IN A PHOSPHATE GLASS MATRIX. Modern Physics Letters B, 2000, 14, 473-477.	1.9	1

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109	SPECTROSCOPIC PROPERTIES OF B ₂ O ₃ -PbO-Nd ₂ O ₃ GLASSES. Modern Physics Letters B, 1999, 13, 879-884.	1.9	7
110	EPR AND MAGNETIC SUSCEPTIBILITY STUDIES OF B ₂ O ₃ -SrO-Fe ₂ O ₃ GLASSES. Modern Physics Letters B, 1999, 13, 801-808.	1.9	22
111	Structural and magnetic properties of MnO-B ₂ O ₃ -SrO glasses. Journal of Materials Science, 1999, 34, 6063-6068.	3.7	14
112	The local structure and interactions between V ⁴⁺ ions in soda-phosphate glasses. Applied Magnetic Resonance, 1999, 16, 529-537.	1.2	19
113	Magnetic susceptibility studies on Bi ₂ O ₃ -PbO-As ₂ O ₃ -MnO glasses. Materials Letters, 1999, 39, 42-45.	2.6	10
114	EPR and magnetic susceptibility studies of manganese ions in Bi ₂ O ₃ -GeO ₂ glasses. Solid State Communications, 1998, 105, 339-344.	1.9	36
115	Magnetic properties of nickel-strontium-borate oxide glasses. Journal of Materials Science Letters, 1997, 16, 200-201.	0.5	6
116	EPR and magnetic susceptibility studies of iron ions in 70TeO ₂ -25B ₂ O ₃ -5PbO glass matrix. Solid State Communications, 1997, 102, 341-346.	1.9	70
117	Magnetic properties of xMnO · (1 - x)[Bi ₂ O ₃ · PbO] glasses. Solid State Communications, 1996, 98, 651-653.	1.9	14
118	Valence states of uranium and gamma irradiation defects in sodaphosphate glasses. Journal of Materials Science Letters, 1996, 15, 784-785.	0.5	7
119	Raman study of B ₂ O ₃ -PbO-Nd ₂ O ₃ glasses. Journal of Materials Science Letters, 1995, 14, 393-395.	0.5	2
120	A broad ferroelectric transition in superconducting Y _{1-x} Gd _x Ba ₂ Cu ₃ O _{7-δ} . Ferroelectrics, 1992, 128, 173-177.	0.6	1