

Maciej Sitarz

List of Publications by Year in descending order

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208
papers

4,644
citations

109321

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155660

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g-index

211
all docs

211
docs citations

211
times ranked

4862
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymer Derived Ceramics based on SiAlOC glasses as novel protective coatings for ferritic steel. Applied Surface Science, 2022, 576, 151826.	6.1	9
2	Effect of Y2O3 additive on morphology and phase composition of zirconia solid solutions. Ceramics International, 2022, 48, 13055-13062.	4.8	7
3	New Ceramics Precursors Containing Si and Ge Atoms "Cubic Germanesilsesquioxanes" Synthesis, Thermal Decomposition and Spectroscopic Analysis. Molecules, 2022, 27, 1441.	3.8	4
4	Corrosion Resistance and Electrical Conductivity of Hybrid Coatings Obtained from Polysiloxane and Carbon Nanotubes by Electrophoretic Co-Deposition. International Journal of Molecular Sciences, 2022, 23, 2897.	4.1	4
5	Microstructure and Selected Properties of Advanced Biomedical n-HA/ZnS/Sulfonated PEEK Coatings Fabricated on Zirconium Alloy by Duplex Treatment. International Journal of Molecular Sciences, 2022, 23, 3244.	4.1	5
6	Silver and copper modified zeolite imidazole frameworks as sustainable methane storage systems. Journal of Cleaner Production, 2022, 352, 131638.	9.3	1
7	Influence of Cr Ion Implantation on Physical Properties of CuO Thin Films. International Journal of Molecular Sciences, 2022, 23, 4541.	4.1	6
8	Design of structured reactor for biogas exhaust abatement. Chemical Engineering Journal, 2022, 446, 136940.	12.7	1
9	Development of Geopolymers Based on Fly Ashes from Different Combustion Processes. Polymers, 2022, 14, 1954.	4.5	12
10	Biochemical changes of macrophages and U87MG cells occurring as a result of the exposure to iron oxide nanoparticles detected with the Raman microspectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 278, 121337.	3.9	2
11	Electrochemical characterization of anti-corrosion coatings formed on 6061 aluminum alloy by plasma electrolytic oxidation in the corrosion inhibitor-enriched aqueous solutions. Electrochimica Acta, 2022, 424, 140652.	5.2	10
12	Crystallization study of sol-gel derived 13-93 bioactive glass powder. Journal of the European Ceramic Society, 2021, 41, 1695-1706.	5.7	17
13	Hydroxyapatite/sodium alginate coatings electrophoretically deposited on titanium substrates: microstructure and properties. Applied Surface Science, 2021, 540, 148353.	6.1	29
14	Amorphous Silicon Oxynitride-Based Powders Produced by Spray Pyrolysis from Liquid Organosilicon Compounds. Materials, 2021, 14, 386.	2.9	6
15	Structural studies of tellurite glasses from the 70TeO2-5XO-10P2O5 "10ZnO "5PbF2 system (X = Ba, W). J. Non-Cryst. Solids, 2021, 561, 125831.	3.6	8
16	Modification of SiOC-based layers with cerium ions - influence on the structure, microstructure and corrosion resistance. Applied Surface Science, 2021, 543, 148871.	6.1	13
17	Chemical Structure and Microstructure Characterization of Ladder-Like Silsesquioxanes Derived Porous Silicon Oxycarbide Materials. Materials, 2021, 14, 1340.	2.9	1
18	Influence of the replacement of silica by boron trioxide on the properties of bioactive glass scaffolds. International Journal of Applied Glass Science, 2021, 12, 293-312.	2.0	18

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19	Organobentonites Modified with Poly(Acrylic Acid) and Its Sodium Salt for Foundry Applications. <i>Materials</i> , 2021, 14, 1947.	2.9	12
20	Chemical and Structural Characterization of Amorphous and Crystalline Alumina Obtained by Alternative Sol-Gel Preparation Routes. <i>Materials</i> , 2021, 14, 1761.	2.9	13
21	Dehydroxylation of Perlite and Vermiculite: Impact on Improving the Knock-Out Properties of Moulding and Core Sand with an Inorganic Binder. <i>Materials</i> , 2021, 14, 2946.	2.9	2
22	Application of Statistical Methods in Predicting the Properties of Glass-Ceramic Materials Obtained from Inorganic Solid Waste. <i>Materials</i> , 2021, 14, 2651.	2.9	2
23	Surface Properties and Morphology of Boron Carbide Nanopowders Obtained by Lyophilization of Saccharide Precursors. <i>Materials</i> , 2021, 14, 3419.	2.9	3
24	Cold Plasma Synthesis and Testing of NiOx-Based Thin-Film Catalysts for CO ₂ Methanation. <i>Catalysts</i> , 2021, 11, 905.	3.5	7
25	Enhancing CO ₂ Conversion to CO over Plasma-Deposited Composites Based on Mixed Co and Fe Oxides. <i>Catalysts</i> , 2021, 11, 883.	3.5	4
26	Experimental and Theoretical Studies of Sonically Prepared Cu-γ, Cu-USY and Cu-ZSM-5 Catalysts for SCR deNO _x . <i>Catalysts</i> , 2021, 11, 824.	3.5	8
27	In Search of Effective UiO-66 Metal-Organic Frameworks for Artificial Kidney Application. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 45149-45160.	8.0	23
28	Production of vitrified material from hazardous asbestos-cement waste and CRT glass cullet. <i>Journal of Cleaner Production</i> , 2021, 317, 128345.	9.3	9
29	Key Properties of a Bioactive Ag-SiO ₂ /TiO ₂ Coating on NiTi Shape Memory Alloy as Necessary at the Development of a New Class of Biomedical Materials. <i>International Journal of Molecular Sciences</i> , 2021, 22, 507.	4.1	10
30	Cracking the Chloroquine Conundrum: The Application of Defective UiO-66 Metal-Organic Framework Materials to Prevent the Onset of Heart Defects In Vivo and In Vitro. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 312-323.	8.0	26
31	Investigation of Dye Dopant Influence on Electrooptical and Morphology Properties of Polymeric Acceptor Matrix Dedicated for Ternary Organic Solar Cells. <i>Polymers</i> , 2021, 13, 4099.	4.5	2
32	The Utilisation of Solid Fuels Derived from Waste Pistachio Shells in Direct Carbon Solid Oxide Fuel Cells. <i>Materials</i> , 2021, 14, 6755.	2.9	6
33	Synthesis of boron carbide powders from mono- and polysaccharides. <i>International Journal of Refractory Metals and Hard Materials</i> , 2020, 86, 105099.	3.8	6
34	In-situ XRD investigations of FeAl intermetallic phase-based alloy oxidation. <i>Corrosion Science</i> , 2020, 164, 108344.	6.6	13
35	Application of TPO/TPR methods in oxidation investigations of CoSb ₃ and Mg ₂ Si thermoelectrics with and without a protective coating of "black glass". <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 140, 2657-2666.	3.6	2
36	Effect of Low-Friction Composite Polymer Coatings Fabricated by Electrophoretic Deposition and Heat Treatment on the Ti-6Al-4V Titanium Alloy's Tribological Properties. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020, 51, 4786-4798.	2.2	12

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37	Raman spectroscopic studies of O-H stretching vibration in Mn-rich apatites: A structural approach. <i>American Mineralogist</i> , 2020, 105, 1385-1391.	1.9	3
38	Structural Characterization of Fine Fe_4N Nitrides Formed by Active Screen Plasma Nitriding. <i>Metals</i> , 2020, 10, 1656.	2.3	3
39	Influence of GLAD Sputtering Configuration on the Crystal Structure, Morphology, and Gas-Sensing Properties of the WO_3 Films. <i>Coatings</i> , 2020, 10, 1030.	2.6	6
40	Luminescent Studies on Germanate Glasses Doped with Europium Ions for Photonic Applications. <i>Materials</i> , 2020, 13, 2817.	2.9	15
41	The crystallization and structure features of glass within the $\text{K}_2\text{O}-\text{MgO}-\text{CaO}-\text{Al}_2\text{O}_3-\text{SiO}_2-(\text{BaO})$ system. <i>Journal of Molecular Structure</i> , 2020, 1220, 128747.	3.6	6
42	Samples of $\text{Ba}_{1-x}\text{Sr}_x\text{Ce}_{0.9}\text{Y}_{0.1}\text{O}_{3-\delta}$, $0 < x < 0.1$, with Improved Chemical Stability in $\text{CO}_2\text{-H}_2$ Gas-Involving Atmospheres as Potential Electrolytes for a Proton Ceramic Fuel Cell. <i>Materials</i> , 2020, 13, 1874.	2.9	6
43	Spectroscopic and rheological investigation of candidates for the double-layered binder for amorphous metal ribbon. <i>Journal of Molecular Structure</i> , 2020, 1207, 127763.	3.6	0
44	Si-O-C amorphous coatings for high temperature protection of $\text{In}_0.4\text{Co}_4\text{Sb}_{12}$ skutterudite for thermoelectric applications. <i>Journal of Applied Physics</i> , 2019, 125, 215113.	2.5	14
45	Toward Highly Dispersed Mesoporous Bioactive Glass Nanoparticles With High Cu Concentration Using Cu/Ascorbic Acid Complex as Precursor. <i>Frontiers in Chemistry</i> , 2019, 7, 497.	3.6	55
46	Holmium doped barium gallo-germanate glasses for near-infrared luminescence at 2000 nm . <i>Journal of Luminescence</i> , 2019, 215, 116625.	3.1	11
47	Metal Foams as Novel Catalyst Support in Environmental Processes. <i>Catalysts</i> , 2019, 9, 587.	3.5	25
48	Influence of SrO content on microstructure and crystallization of glazes in the $\text{SiO}_2-\text{Al}_2\text{O}_3-\text{CaO}-\text{MgO}-\text{K}_2\text{O}$ system. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 4177-4186.	3.6	4
49	Influence of transition metal ion concentration on near-infrared emission of Ho^{3+} in barium gallo-germanate glasses. <i>Journal of Alloys and Compounds</i> , 2019, 793, 107-114.	5.5	11
50	The structure of model glasses of the amorphous phase of glass-ceramic glazes from the $\text{SiO}_2\text{-Al}_2\text{O}_3\text{-CaO}-\text{MgO}-\text{Na}_2\text{O}-\text{K}_2\text{O}-\text{ZnO}$ system. <i>Journal of Non-Crystalline Solids</i> , 2019, 515, 125-132.	3.1	9
51	Effect of the Processing and Heat Treatment Route on the Microstructure of MoS_2 /Polyetheretherketone Coatings Obtained by Electrophoretic Deposition. <i>Journal of the Electrochemical Society</i> , 2019, 166, D151-D161.	2.9	12
52	Preparation of silver nanoparticles using different fractions of TEMPO-oxidized nanocellulose. <i>European Polymer Journal</i> , 2019, 116, 242-255.	5.4	35
53	Influence of zinc ions on structure, bioactivity, biocompatibility and antibacterial potential of melt-derived and gel-derived glasses from $\text{CaO}-\text{SiO}_2$ system. <i>Journal of Non-Crystalline Solids</i> , 2019, 511, 86-99.	3.1	44
54	New high temperature amorphous protective coatings for Mg_2Si thermoelectric material. <i>Ceramics International</i> , 2019, 45, 10230-10235.	4.8	24

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55	A Sustainable Autoclaved Material Made of Glass Sand. Buildings, 2019, 9, 232.	3.1	16
56	Spectroscopic Characterization of Silicate Amorphous Materials. Challenges and Advances in Computational Chemistry and Physics, 2019, , 457-481.	0.6	5
57	Impact of the synthesis parameters on the microstructure of nano-structured LTO prepared by glycothermal routes and ⁷ Li NMR structural investigations. Journal of Sol-Gel Science and Technology, 2019, 89, 225-233.	2.4	4
58	Structural and spectroscopic properties of lead phosphate glasses doubly doped with Tb 3+ and Eu 3+ ions. Journal of Molecular Structure, 2018, 1163, 418-427.	3.6	27
59	Spectroscopic characterization of rare hydrated ammonium borate mineral larderellite. Journal of Molecular Structure, 2018, 1159, 226-232.	3.6	2
60	Raman and FTIR spectra of nephrites from the ZÅoty Stok and JordanÅ³w ÅšlÄ...ski (the Sudetes and) Tj ETQqO O 0,rgBT /Overlock 10 Tf	3.8	11
61	Investigation of the influence of pretreatment parameters on the surface characteristics of amorphous metal for use in power industry. Journal of Molecular Structure, 2018, 1160, 360-367.	3.6	6
62	Structural and microstructural comparison of bioactive melt-derived and gel-derived glasses from CaO-SiO ₂ binary system. Ceramics International, 2018, 44, 8856-8863.	4.8	25
63	The effect of CaO/SiO ₂ molar ratio of CaO-Al ₂ O ₃ -SiO ₂ glasses on their structure and reactivity in alkali activated system. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 194, 163-171.	3.9	68
64	Paper material containing Ag cations immobilised in faujasite: synthesis, characterisation and antibacterial effects. Cellulose, 2018, 25, 1353-1364.	4.9	3
65	Functional properties of poly(tetrafluoroethylene) (PTFE) gasket working in nuclear reactor conditions. Journal of Molecular Structure, 2018, 1157, 306-311.	3.6	19
66	Green up-conversion luminescence of erbium-doped oxyfluoride germanate fiber under continuous-wave laser-diode excitation. Materials Letters, 2018, 216, 131-134.	2.6	2
67	Structural and optical properties of antimony-germanate-borate glass and glass fiber co-doped Eu ³⁺ and Ag nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 201, 1-7.	3.9	12
68	Effect of microwave treatment on structure of binders based on sodium carboxymethyl starch: FT-IR, FT-Raman and XRD investigations. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 199, 387-393.	3.9	41
69	Functionalization of Ti99.2 substrates surface by hybrid treatment investigated with spectroscopic methods. Journal of Molecular Structure, 2018, 1164, 412-419.	3.6	4
70	Structural studies of tellurite glasses doped with erbium ions. Journal of Molecular Structure, 2018, 1164, 328-333.	3.6	9
71	Reply to the comment to: Bioactive layers based on black glasses on titanium substrates. Journal of the American Ceramic Society, 2018, 101, 3245-3245.	3.8	0
72	Cytotoxicity, chemical stability, and surface properties of ferroelectric ceramics for biomaterials. Journal of the American Ceramic Society, 2018, 101, 440-449.	3.8	18

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73	Bioactive layers based on black glasses on titanium substrates. Journal of the American Ceramic Society, 2018, 101, 590-601.	3.8	30
74	Spectroscopic studies of the silicone oil impact on the ophthalmic hydrogel based materials conducted in time dependent mode. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 192, 1-5.	3.9	3
75	Characterisation of well-adhered ZrO ₂ layers produced on structured reactors using the sonochemical sol-gel method. Applied Surface Science, 2018, 427, 563-574.	6.1	16
76	1.5 – 2.1 μm Broadband ASE in Rare-Earth Co-Doped Glasses and Double-Clad Optical Fibers. , 2018, , .		1
77	The usefulness of walnut shells as waste biomass fuels in direct carbon solid oxide fuel cells. Biomass and Bioenergy, 2018, 119, 144-154.	5.7	31
78	Parafiniukite, Ca ₂ Mn ₃ (PO ₄) ₃ Cl, a New Member of the Apatite Supergroup from the Szklary Pegmatite, Lower Silesia, Poland: Description and Crystal Structure. Minerals (Basel, Switzerland), 2018, 8, 485.	2.0	6
79	Design and Application of High Optical Quality YAG:Ce Nanocrystal-Loaded Silica Aerogels. ACS Applied Materials & Interfaces, 2018, 10, 32304-32312.	8.0	12
80	Structural characterization and evaluation of antibacterial and angiogenic potential of gallium-containing melt-derived and gel-derived glasses from CaO-SiO ₂ system. Ceramics International, 2018, 44, 22698-22709.	4.8	17
81	Spectroscopic studies of structural interactions in silicate-borate-phosphate glass. Journal of Molecular Structure, 2018, 1171, 110-116.	3.6	26
82	Rare earth-doped barium gallo-germanate glasses and their near-infrared luminescence properties. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 201, 362-366.	3.9	16
83	Electrophoretic deposition and microstructure development of Si ₃ N ₄ /polyetheretherketone coatings on titanium alloy. Surface and Coatings Technology, 2018, 350, 633-647.	4.8	23
84	DeNO _x Abatement over Sonically Prepared Iron-Substituted Y, USY and MFI Zeolite Catalysts in Lean Exhaust Gas Conditions. Nanomaterials, 2018, 8, 21.	4.1	15
85	From Nanoparticle Assembly to Monolithic Aerogels of YAG, Rare Earth Fluorides, and Composites. Chemistry of Materials, 2018, 30, 5460-5467.	6.7	13
86	Effect of ZrO ₂ sol-gel coating on the Ti 99.2 – Porcelain bond strength investigated with mechanical testing and Raman spectroscopy. Journal of Molecular Structure, 2018, 1168, 316-321.	3.6	6
87	Spectroscopic properties of rare earth doped germanate glasses. , 2018, , .		0
88	Low-temperature synthesis of silicon carbide powder using shungite. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2017, 56, 39-46.	1.9	7
89	Optical and vibrational properties of phosphorylcholine-based contact lenses – Experimental and theoretical investigations. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 176, 83-90.	3.9	8
90	Upconversion luminescence in bismuth-germanate oxide glasses co-doped with lanthanide ions. Proceedings of SPIE, 2017, , .	0.8	0

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91	Thermal characterisation of raw aluminosilicate glazes in SiO ₂ -Al ₂ O ₃ -CaO-K ₂ O-Na ₂ O-ZnO system with variable content of ZnO. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 128, 1343-1351.	3.6	14
92	Luminescent properties of germanium-based glasses and optical fiber co-doped with rare earth. <i>Proceedings of SPIE</i> , 2017, , .	0.8	0
93	Hierarchically structured lithium titanate for ultrafast charging in long-life high capacity batteries. <i>Nature Communications</i> , 2017, 8, 15636.	12.8	117
94	Thermal evolution of ladder-like silsesquioxanes during formation of black glasses. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 130, 103-111.	3.6	20
95	Enhanced mid-infrared 2.7 μm luminescence in low hydroxide bismuth-germanate glass and optical fiber co-doped with Er ³⁺ /Yb ³⁺ ions. <i>Journal of Non-Crystalline Solids</i> , 2017, 457, 169-174.	3.1	25
96	Two-Step Procedure of Fly Ash Modification as an Alternative Method for Creation of Functional Composite. <i>Journal of Polymers and the Environment</i> , 2017, 25, 1342-1347.	5.0	25
97	Structural and luminescent properties of germanate glasses and double-clad optical fiber co-doped with Yb ³⁺ /Ho ³⁺ . <i>Journal of Alloys and Compounds</i> , 2017, 727, 1221-1226.	5.5	47
98	Effect of Ag content on structural and luminescent properties of antimony-germanate-silicate glass doped with Eu ³⁺ ions. , 2017, , .		0
99	Structure and thermal properties of the fritted glazes in SiO ₂ -Al ₂ O ₃ -CaO-MgO-Na ₂ O-K ₂ O-ZnO system. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 130, 165-176.	3.6	13
100	Nanoscale Observation of Dehydration Process in PHEMA Hydrogel Structure. <i>Nanoscale Research Letters</i> , 2017, 12, 303.	5.7	6
101	Optical Characterization of Nano- and Microcrystals of EuPO ₄ Created by One-Step Synthesis of Antimony-Germanate-Silicate Glass Modified by P ₂ O ₅ . <i>Materials</i> , 2017, 10, 1059.	2.9	9
102	Non-Noble Metal Oxide Catalysts for Methane Catalytic Combustion: Sonochemical Synthesis and Characterisation. <i>Nanomaterials</i> , 2017, 7, 174.	4.1	19
103	PALS, MIR and UV-vis-NIR spectroscopy studies of pHEMA hydrogel, silicon- and fluoro-containing contact lens materials. <i>Journal of Molecular Structure</i> , 2017, 1148, 521-530.	3.6	1
104	Spectroscopic properties and energy transfer in Er/Ag co-doped antimony oxide glass. , 2017, , .		0
105	Structural and microstructural studies of zinc-doped glasses from NaCaPO ₄ -SiO ₂ system. <i>Journal of Non-Crystalline Solids</i> , 2016, 441, 66-73.	3.1	15
106	An investigation of the effect of silicone oil on polymer intraocular lenses by means of PALS, FT-IR and Raman spectroscopies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 167, 96-100.	3.9	15
107	In situ and operando spectroscopic studies of sonically aided catalysts for biogas exhaust abatement. <i>Journal of Molecular Structure</i> , 2016, 1126, 132-140.	3.6	14
108	An Investigation into the Influence of Filler Silanization Conditions on Mechanical and Thermal Parameters of Epoxy Resin-Fly Ash Composites. <i>Journal of Polymers and the Environment</i> , 2016, 24, 298-308.	5.0	29

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109	Free carbon phase in SiOC glasses derived from ladder-like silsesquioxanes. Journal of Molecular Structure, 2016, 1126, 172-176.	3.6	50
110	Influence of Ar-irradiation on structural and nanomechanical properties of pure zirconium measured by means of GIXRD and nanoindentation techniques. Journal of Molecular Structure, 2016, 1126, 226-231.	3.6	23
111	Natural and synthetic hydroxyapatite/zirconia composites: A comparative study. Ceramics International, 2016, 42, 11126-11135.	4.8	18
112	The impact of physicochemical properties of coal on direct carbon solid oxide fuel cells. International Journal of Hydrogen Energy, 2016, 41, 18872-18883.	7.1	16
113	The formation of the Co ₃ O ₄ cobalt oxide within CoO substrate. Corrosion Science, 2016, 112, 536-541.	6.6	23
114	Comparative analysis of luminescent properties of germanate glass and double-clad optical fibers co-doped with Yb ³⁺ /Ho ³⁺ ions. Proceedings of SPIE, 2016, , .	0.8	0
115	Vibrational spectroscopic characterization of the magnesium borate-phosphate mineral $\frac{1}{4}$ neburgite. Spectroscopy Letters, 2016, 49, 606-612.	1.0	4
116	Structure of phosphate and iron-phosphate glasses by DFT calculations and FTIR/Raman spectroscopy. Journal of Non-Crystalline Solids, 2016, 450, 48-60.	3.1	129
117	Mid-infrared luminescence in HMO glass co-doped with Ho ³⁺ /Yb ³⁺ ions. , 2016, , .		1
118	Impact of ZnO on the structure of aluminosilicate glazes. Journal of Molecular Structure, 2016, 1126, 251-258.	3.6	19
119	Effect of hybrid oxidation on the titanium oxide layer's properties investigated by spectroscopic methods. Journal of Molecular Structure, 2016, 1126, 165-171.	3.6	10
120	Structural and thermal studies of modified silica-strontium-barium glass from CRT. Journal of Molecular Structure, 2016, 1126, 265-274.	3.6	10
121	Structural and optical study of tellurite-barium glasses. Journal of Molecular Structure, 2016, 1126, 219-225.	3.6	28
122	Cu SSZ-13 zeolite catalyst on metallic foam support for SCR of NO with ammonia: Catalyst layering and characterisation of active sites. Catalysis Today, 2016, 268, 142-149.	4.4	29
123	Analysis of upconversion luminescence in germanate glass and optical fiber codoped with Yb ³⁺ /Tb ³⁺ . Applied Optics, 2016, 55, 2370.	2.1	10
124	Microstructure study of opaque glazes from SiO ₂ -Al ₂ O ₃ -MgO-K ₂ O-Na ₂ O system by variable molar ratio of SiO ₂ /Al ₂ O ₃ by FTIR and Raman spectroscopy. Journal of Molecular Structure, 2016, 1126, 240-250.	3.6	19
125	Effect of GeO ₂ content on structural and spectroscopic properties of antimony glasses doped with Sm ³⁺ ions. Journal of Molecular Structure, 2016, 1126, 207-212.	3.6	30
126	Structure and microstructure of the glasses from NaCaPO ₄ -SiO ₂ and NaCaPO ₄ -SiO ₂ -AlPO ₄ systems. Journal of Molecular Structure, 2016, 1126, 47-62.	3.6	7

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127	Shift in low-frequency vibrational spectra measured in-situ at 600Â°C by Raman spectroscopy of zirconia developed on pure zirconium and Zrâ€“1%Nb alloy. <i>Journal of Molecular Structure</i> , 2016, 1126, 186-191.	3.6	16
128	Optimization of Ti/Ta ₂ O ₅ â€“SnO ₂ electrodes and reaction parameters for electrocatalytic oxidation of methylene blue. <i>Journal of Applied Electrochemistry</i> , 2016, 46, 349-358.	2.9	16
129	Adsorption of caesium (Cs ⁺) from aqueous solution by porous titanosilicate xerogels. <i>Desalination and Water Treatment</i> , 2016, 57, 5554-5566.	1.0	4
130	Hydroxyapatite of natural origin - zirconia composites, preparation and reactions within the system. <i>Processing and Application of Ceramics</i> , 2016, 10, 219-225.	0.8	5
131	Ammonolysis of gallium phosphide GaP to the nanocrystalline wide bandgap semiconductor gallium nitride GaN. <i>RSC Advances</i> , 2015, 5, 106128-106140.	3.6	7
132	Near infrared luminescence in Yb ³⁺ /Ho ³⁺ : co-doped germanate glass. , 2015, , .		1
133	2.7 Î¼m emission in heavy metal oxide glasses doped with erbium ions. <i>Proceedings of SPIE</i> , 2015, , .	0.8	2
134	Hydroxyapatite from animal bones â€“ Extraction and properties. <i>Ceramics International</i> , 2015, 41, 4841-4846.	4.8	59
135	The effect of SiO ₂ /Al ₂ O ₃ ratio on the structure and microstructure of the glazes from SiO ₂ â€“Al ₂ O ₃ â€“CaOâ€“MgOâ€“Na ₂ Oâ€“K ₂ O system. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 134, 621-630.		55
136	FT-IR and FT-Raman studies of cross-linking processes with Ca ²⁺ ions, glutaraldehyde and microwave radiation for polymer composition of poly(acrylic acid)/sodium salt of carboxymethyl starch â€“ In moulding sands, Part II. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 151, 27-33.	3.9	36
137	Moraskoite, Na ₂ Mg(PO ₄) ₂ F, a new mineral from the Morasko IAB-MG iron meteorite (Poland). <i>Mineralogical Magazine</i> , 2015, 79, 387-398.	1.4	39
138	Acid mine drainage (AMD) treatment: Neutralization and toxic elements removal with unmodified and modified limestone. <i>Ecological Engineering</i> , 2015, 81, 30-40.	3.6	99
139	Thermal, structural and spectroscopic properties of heavy metal oxide glass and glass-ceramics doped with Er ³⁺ ions. , 2015, , .		0
140	Thermal resistance of PCD materials with borides bonding phase. <i>Journal of Superhard Materials</i> , 2015, 37, 155-165.	1.2	12
141	Investigation of luminescent properties of LaF ₃ :Nd ³⁺ -nanoparticles. , 2015, , .		0
142	Pore structure and sorption characterization of titanosilicates obtained from concentrated precursors by the solâ€“gel method. <i>RSC Advances</i> , 2015, 5, 72562-72571.	3.6	10
143	Generation of carbon nanostructures with diverse morphologies by the catalytic aerosol-assisted vapor-phase synthesis method. <i>Comptes Rendus Chimie</i> , 2015, 18, 1198-1204.	0.5	4
144	Theoretical and experimental spectroscopic studies of Bi dopant location in Mg ₂ Si. <i>Vibrational Spectroscopy</i> , 2015, 76, 31-37.	2.2	8

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