

Marcin Gajek

List of Publications by Year in descending order

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papers

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461
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructure and mechanical properties of diopside and anorthite glazes with high abrasion resistance. <i>Ceramics International</i> , 2022, 48, 6792-6798.	4.8	7
2	Rheological Properties of Soft Waste Granulates Produced in the Fabrication Process of Ceramic Tiles and the Possibility of Their Reuse. <i>Materials</i> , 2022, 15, 1366.	2.9	0
3	Modification of TiAlV Alloys with Hybrid Layers Containing Metallic Nanoparticles Obtained by the Sol-Gel Method: Surface and Structural Properties. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2283.	4.1	3
4	NiO-Ba _{0.95} Ca _{0.05} Ce _{0.9} Y _{0.1} O ₃ as a Modified Anode Material Fabricated by the Tape Casting Method. <i>Materials</i> , 2022, 15, 2489.	2.9	0
5	Structural studies on the low-melting boron frits modified with bismuth (III) oxide. <i>Journal of Molecular Structure</i> , 2021, 1223, 128979.	3.6	4
6	Effects of Process Parameters on Structure and Properties of Melt-Blown Poly(Lactic Acid) Nonwovens for Skin Regeneration. <i>Journal of Functional Biomaterials</i> , 2021, 12, 16.	4.4	16
7	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
8	Effects of Montmorillonite and Gentamicin Addition on the Properties of Electrospun Polycaprolactone Fibers. <i>Materials</i> , 2021, 14, 6905.	2.9	4
9	The effect of the addition of bismuth (III) oxide on the properties of low-melting boron frits: part 1. <i>Journal of the Australian Ceramic Society</i> , 2020, 56, 363-369.	1.9	2
10	Fiber-Based Composite Meshes with Controlled Mechanical and Wetting Properties for Water Harvesting. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 1665-1676.	8.0	59
11	The crystallization and structure features of glass within the K ₂ O-MgO-CaO-Al ₂ O ₃ -SiO ₂ -(BaO) system. <i>Journal of Molecular Structure</i> , 2020, 1220, 128747.	3.6	6
12	Multifunctional biodegradable polymer/clay nanocomposites with antibacterial properties in drug delivery systems. <i>Acta of Bioengineering and Biomechanics</i> , 2020, 22, 83-92.	0.4	3
13	Utilisation of methylcellulose as a shaping agent in the fabrication of Ba _{0.95} Ca _{0.05} Ce _{0.9} Y _{0.1} O ₃ proton-conducting ceramic membranes via the gelcasting method. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 2077-2090.	3.6	5
14	Study of the correlation between the composition, structure and crystallization in frits designed for single fast-firing glazes with variable BaO content. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 4229-4236.	3.6	3
15	Influence of SrO content on microstructure and crystallization of glazes in the SiO ₂ -Al ₂ O ₃ -CaO-MgO-K ₂ O system. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 4177-4186. ^{3,6}	3.6	4
16	Roughness and Fiber Fraction Dominated Wetting of Electrospun Fiber-Based Porous Meshes. <i>Polymers</i> , 2019, 11, 34.	4.5	140
17	Multifunctional porous membranes with antibacterial properties. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2019, 68, 19-26.	3.4	5
18	Gahnite white colour glazes in ZnO-R ₂ O-Al ₂ O ₃ -SiO ₂ system. <i>Ceramics International</i> , 2018, 44, 15845-15850.	4.8	19

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19	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. Journal of Thermal Analysis and Calorimetry, 2017, 128, 1343-1351.	3.6	14
20	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. Journal of Thermal Analysis and Calorimetry, 2017, 130, 165-176.	3.6	13
21	Thermal, structural and mechanical analysis of polymer/clay nanocomposites with controlled degradation. Journal of Thermal Analysis and Calorimetry, 2017, 127, 389-398.	3.6	20
22	Development of anorthite based white porcelain glaze without ZrSiO ₄ content. Ceramics International, 2017, 43, 1703-1709.	4.8	23