

Michał, Aach

List of Publications by Year in descending order

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419
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#	ARTICLE	IF	CITATIONS
1	Thermal Insulation and Thermally Resistant Materials Made of Geopolymer Foams. <i>Procedia Engineering</i> , 2016, 151, 410-416.	1.2	90
2	Geopolymer Foamsâ€™Will They Ever Become a Viable Alternative to Popular Insulation Materials?â€™A Critical Opinion. <i>Materials</i> , 2021, 14, 3568.	2.9	41
3	Mechanical Properties of Short Fiber-Reinforced Geopolymers Made by Casted and 3D Printing Methods: A Comparative Study. <i>Materials</i> , 2020, 13, 579.	2.9	40
4	Thermal behavior and physical characteristics of synthetic zeolite from CFB-coal fly ash. <i>Microporous and Mesoporous Materials</i> , 2016, 220, 155-162.	4.4	38
5	Geopolymers reinforced by short and long fibres â€™ innovative materials for additive manufacturing. <i>Current Opinion in Chemical Engineering</i> , 2020, 28, 167-172.	7.8	37
6	Geopolymers as a material suitable for immobilization of fly ash from municipal waste incineration plants. <i>Journal of the Air and Waste Management Association</i> , 2018, 68, 1190-1197.	1.9	35
7	Evaluation of Hybrid Melamine and Steel Fiber Reinforced Geopolymers Composites. <i>Materials</i> , 2020, 13, 5548.	2.9	27
8	Hybrid Materials Based on Fly Ash, Metakaolin, and Cement for 3D Printing. <i>Materials</i> , 2021, 14, 6874.	2.9	27
9	Thermal analysis of the by-products of waste combustion. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 125, 1035-1045.	3.6	25
10	Thermal phenomena of alkali-activated metakaolin studied with a negative temperature coefficient system. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 4167-4175.	3.6	25
11	Thermal analysis of the products of alkali activation of fly ash from CFB boilers. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 124, 1609-1621.	3.6	20
12	The Influence of Short Coir, Glass and Carbon Fibers on the Properties of Composites with Geopolymer Matrix. <i>Materials</i> , 2021, 14, 4599.	2.9	20
13	Geopolymer foam as a passive fire protection. <i>MATEC Web of Conferences</i> , 2018, 247, 00031.	0.2	19
14	Determination of the Influence of Hydraulic Additives on the Foaming Process and Stability of the Produced Geopolymer Foams. <i>Materials</i> , 2021, 14, 5090.	2.9	19
15	3D Printing of Concrete-Geopolymer Hybrids. <i>Materials</i> , 2022, 15, 2819.	2.9	19
16	Characterization of the products obtained from alkaline conversion of tuff and metakaolin. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 133, 217-226.	3.6	18
17	The overview of mechanical properties of short natural fiber reinforced geopolymer composites. <i>Environmental Research and Technology</i> , 2020, 3, 21-32.	0.7	18
18	Development and Characterization of Thermal Insulation Geopolymer Foams Based on Fly Ash. <i>Proceedings of Engineering and Technology Innovation</i> , 0, 16, 23-29.	0.0	17

#	ARTICLE	IF	CITATIONS
19	Mechanical Response of Geopolymer Foams to Heatingâ€”Managing Coal Gangue in Fire-Resistant Materials Technology. <i>Energies</i> , 2022, 15, 3363.	3.1	17
20	Characterisation of post-production raw material from the Raciszyn II deposit as a material suitable for the production of alkaline-activated materials. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 4551-4559.	3.6	16
21	Circulation Fluidized Bed Combustion Fly Ash as Partial Replacement of Fine Aggregates in Roller Compacted Concrete. <i>Materials</i> , 2019, 12, 4204.	2.9	16
22	Effect of Fiber Reinforcement on the Compression and Flexural Strength of Fiber-Reinforced Geopolymers. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10443.	2.5	15
23	Decreasing of Leaching and Improvement of Geopolymer Properties by Addition of Aluminum Calcium Cements and Titanium Oxide. <i>Materials</i> , 2020, 13, 495.	2.9	12
24	Review of Solutions for the Use of Phase Change Materials in Geopolymers. <i>Materials</i> , 2021, 14, 6044.	2.9	11
25	Calcined Post-Production Waste as Materials Suitable for the Hydrothermal Synthesis of Zeolites. <i>Materials</i> , 2019, 12, 2742.	2.9	10
26	Long-Term Deformation Properties of a Carbon-Fiber-Reinforced Alkali-Activated Cement Composite. <i>Mechanics of Composite Materials</i> , 2020, 56, 85-92.	1.4	9
27	The Effect of Additives on the Properties of Metakaolin and Fly Ash Based Geopolymers. <i>MATEC Web of Conferences</i> , 2018, 163, 06005.	0.2	8
28	Recycling of Mechanically Ground Wind Turbine Blades as Filler in Geopolymer Composite. <i>Materials</i> , 2021, 14, 6539.	2.9	8
29	Surface Modification of Synthetic Zeolites with Ca and HDTMA Compounds with Determination of Their Phytoavailability and Comparison of CEC and AEC Parameters. <i>Materials</i> , 2022, 15, 4083.	2.9	8
30	Process Design for a Production of Sustainable Materials from Post-Production Clay. <i>Materials</i> , 2021, 14, 953.	2.9	7
31	Engineering Properties of Ternary Cementless Blended Materials. <i>International Journal of Engineering and Technology Innovation</i> , 2020, 10, 191-199.	1.2	6
32	Optimizing the L/S Ratio in Geopolymers for the Production of Large-Size Elements with 3D Printing Technology. <i>Materials</i> , 2022, 15, 3362.	2.9	6
33	Stabilization of Ash and Slag from Combustion of Medical Waste in the Geopolymers Matrix. <i>E3S Web of Conferences</i> , 2018, 44, 00110.	0.5	5
34	An Efficacy Assessment of Phosphate Removal from Drainage Waters by Modified Reactive Material. <i>Materials</i> , 2020, 13, 1190.	2.9	5
35	Impact of Flax Fiber Reinforcement on Mechanical Properties of Solid and Foamed Geopolymer Concrete. <i>Advances in Technology Innovation</i> , 0, , .	0.5	5
36	Foamed Eco-Geopolymer Modified by Perlite and Cellulose as a Construction Material for Energy-Efficient Buildings. <i>Energies</i> , 2022, 15, 4297.	3.1	5

#	ARTICLE	IF	CITATIONS
37	Concept of Flocks Fragmentation and Averaging Method for the Application of Electrocoagulation in Process for Coke Oven Wastewater Treatment. <i>Materials</i> , 2021, 14, 6307.	2.9	4
38	The Use of Geopolymers for the Disposal of Asbestos-containing Materials. <i>MATEC Web of Conferences</i> , 2020, 322, 01014.	0.2	4
39	The behaviour of alkali activated materials based on calcium clay at elevated temperatures. <i>MATEC Web of Conferences</i> , 2018, 247, 00054.	0.2	3
40	Production of Zeolite Sorbents from Burning and Co-burning Biomass with Coal. <i>E3S Web of Conferences</i> , 2018, 44, 00097.	0.5	3
41	Environmental degradation of foamed geopolymers. <i>Continuum Mechanics and Thermodynamics</i> , 0, , 1.	2.2	3
42	The Influence of Tuff Particles on the Properties of the Sintered Copper Matrix Composite for Application in Resistance Welding Electrodes. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 4477.	2.5	3
43	Obtaining zeolites from slags and ashes from a waste combustion plant in an autoclave process. <i>E3S Web of Conferences</i> , 2017, 17, 00026.	0.5	2
44	SYNTHESIS OF ZEOLITES FROM INCINERATION ASH AND SLAG. <i>Inżynieria Ekologiczna</i> , 2017, 18, 196-201.	0.2	2
45	The Fly-Ash Based Geopolymer Composites as an Innovative Material for Circular. <i>MATEC Web of Conferences</i> , 2020, 322, 01016.	0.2	2
46	Assessment of Adhesion of Geopolymer and Varnished Coatings by the Pull-Off Method. <i>Eng.</i> , 2022, 3, 42-59.	2.4	1
47	Characteristics of Sorbent Products Obtained by the Alkaline Activation of Waste from Waste Incineration Plants. <i>Mineralogia</i> , 2017, 48, 87-105.	0.8	0