

Michal Lach

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38
papers

365
citations

13
h-index

17
g-index

47
ext. papers

551
ext. citations

2.6
avg, IF

4.63
L-index

#	Paper	IF	Citations
38	Thermal Insulation and Thermally Resistant Materials Made of Geopolymer Foams. <i>Procedia Engineering</i> , 2016 , 151, 410-416		62
37	Thermal behavior and physical characteristics of synthetic zeolite from CFB-coal fly ash. <i>Microporous and Mesoporous Materials</i> , 2016 , 220, 155-162	5.3	30
36	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	2.4	22
35	Thermal analysis of the by-products of waste combustion. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016 , 125, 1035-1045	4.1	19
34	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	4.1	18
33	Geopolymers reinforced by short and long fibres Innovative materials for additive manufacturing. <i>Current Opinion in Chemical Engineering</i> , 2020 , 28, 167-172	5.4	18
32	Mechanical Properties of Short Fiber-Reinforced Geopolymers Made by Casted and 3D Printing Methods: A Comparative Study. <i>Materials</i> , 2020 , 13,	3.5	16
31	Evaluation of Hybrid Melamine and Steel Fiber Reinforced Geopolymers Composites. <i>Materials</i> , 2020 , 13,	3.5	16
30	Geopolymer Foams-Will They Ever Become a Viable Alternative to Popular Insulation Materials?-A Critical Opinion. <i>Materials</i> , 2021 , 14,	3.5	16
29	Characterization of the products obtained from alkaline conversion of tuff and metakaolin. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 133, 217-226	4.1	15
28	The overview of mechanical properties of short natural fiber reinforced geopolymer composites. <i>Environmental Research and Technology</i> , 2020 , 3, 21-32	0.8	15
27	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	4.1	13
26	Geopolymer foam as a passive fire protection. <i>MATEC Web of Conferences</i> , 2018 , 247, 00031	0.3	13
25	Determination of the Influence of Hydraulic Additives on the Foaming Process and Stability of the Produced Geopolymer Foams. <i>Materials</i> , 2021 , 14,	3.5	10
24	Decreasing of Leaching and Improvement of Geopolymer Properties by Addition of Aluminum Calcium Cements and Titanium Oxide. <i>Materials</i> , 2020 , 13,	3.5	8
23	The Influence of Short Coir, Glass and Carbon Fibers on the Properties of Composites with Geopolymer Matrix. <i>Materials</i> , 2021 , 14,	3.5	8
22	Long-Term Deformation Properties of a Carbon-Fiber-Reinforced Alkali-Activated Cement Composite. <i>Mechanics of Composite Materials</i> , 2020 , 56, 85-92	1.1	7

21	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	4.1	7
20	Development and Characterization of Thermal Insulation Geopolymer Foams Based on Fly Ash. <i>Proceedings of Engineering and Technology Innovation</i> , 16, 23-29		7
19	Circulation Fluidized Bed Combustion Fly Ash as Partial Replacement of Fine Aggregates in Roller Compacted Concrete. <i>Materials</i> , 2019 , 12,	3.5	6
18	Calcined Post-Production Waste as Materials Suitable for the Hydrothermal Synthesis of Zeolites. <i>Materials</i> , 2019 , 12,	3.5	5
17	The Effect of Additives on the Properties of Metakaolin and Fly Ash Based Geopolymers. <i>MATEC Web of Conferences</i> , 2018 , 163, 06005	0.3	5
16	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	4
15	Process Design for a Production of Sustainable Materials from Post-Production Clay. <i>Materials</i> , 2021 , 14,	3.5	3
14	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
13	Effect of Fiber Reinforcement on the Compression and Flexural Strength of Fiber-Reinforced Geopolymers. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 10443	2.6	2
12	Impact of Flax Fiber Reinforcement on Mechanical Properties of Solid and Foamed Geopolymer Concrete. <i>Advances in Technology Innovation</i> ,	1.9	2
11	Engineering Properties of Ternary Cementless Blended Materials. <i>International Journal of Engineering and Technology Innovation</i> , 2020 , 10, 191-199	1.3	2
10	The behaviour of alkali activated materials based on calcium clay at elevated temperatures. <i>MATEC Web of Conferences</i> , 2018 , 247, 00054	0.3	2
9	Mechanical Response of Geopolymer Foams to Heating Managing Coal Gangue in Fire-Resistant Materials Technology. <i>Energies</i> , 2022 , 15, 3363	3.1	2
8	An Efficacy Assessment of Phosphate Removal from Drainage Waters by Modified Reactive Material. <i>Materials</i> , 2020 , 13,	3.5	1
7	The Fly-Ash Based Geopolymer Composites as an Innovative Material for Circular. <i>MATEC Web of Conferences</i> , 2020 , 322, 01016	0.3	1
6	The Use of Geopolymers for the Disposal of Asbestos-containing Materials. <i>MATEC Web of Conferences</i> , 2020 , 322, 01014	0.3	0
5	Production of Zeolite Sorbents from Burning and Co-burning Biomass with Coal. <i>E3S Web of Conferences</i> , 2018 , 44, 00097	0.5	0
4	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	2.6	0

- 3 Assessment of Adhesion of Geopolymer and Varnished Coatings by the Pull-Off Method. *Eng*, **2022**, 3, 42-59 0.7
- 2 Characteristics of Sorbent Products Obtained by the Alkaline Activation of Waste from Waste Incineration Plants. *Mineralogia*, **2017**, 48, 87-105 0
- 1 Environmental degradation of foamed geopolymers. *Continuum Mechanics and Thermodynamics*, 1 3.5