

Kinga Korniejenko

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

1,274
citations

393982

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433756

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90
docs citations

90
times ranked

602
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical and thermal properties of wood fiber reinforced geopolymer composites. <i>Journal of Natural Fibers</i> , 2022, 19, 6676-6691.	1.7	31
2	Assessment of Adhesion of Geopolymer and Varnished Coatings by the Pull-Off Method. <i>Eng</i> , 2022, 3, 42-59.	1.2	1
3	Fracture Behavior of Long Fiber Reinforced Geopolymer Composites at Different Operating Temperatures. <i>Materials</i> , 2022, 15, 482.	1.3	13
4	Prediction of Kerf Width and Surface Roughness of Al6351 Based Composite in Wire-Cut Electric Discharge Machining Using Mathematical Modelling. <i>Materials</i> , 2022, 15, 1102.	1.3	6
5	State of the art, challenges, and emerging trends: Geopolymer composite reinforced by dispersed steel fibers. <i>Reviews on Advanced Materials Science</i> , 2022, 61, 1-15.	1.4	9
6	The Influence of the Material Structure on the Mechanical Properties of Geopolymer Composites Reinforced with Short Fibers Obtained with Additive Technologies. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2023.	1.8	26
7	Modelling Approach for the Prediction of Machinability in Al6061 Composites by Electrical Discharge Machining. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2673.	1.3	8
8	A study on geopolymer composites based on waste from wind turbine blades. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2022, 53, 467-478.	0.5	3
9	3D Printing of Concrete-Geopolymer Hybrids. <i>Materials</i> , 2022, 15, 2819.	1.3	19
10	Mechanical Response of Geopolymer Foams to Heating – Managing Coal Gangue in Fire-Resistant Materials Technology. <i>Energies</i> , 2022, 15, 3363.	1.6	17
11	Development of Geopolymers Based on Fly Ashes from Different Combustion Processes. <i>Polymers</i> , 2022, 14, 1954.	2.0	12
12	Optimizing the L/S Ratio in Geopolymers for the Production of Large-Size Elements with 3D Printing Technology. <i>Materials</i> , 2022, 15, 3362.	1.3	6
13	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.	1.3	3
14	Influence of Alkaline Earth Metals on Structure Formation and Magnesium Alloy Properties. <i>Materials</i> , 2022, 15, 4341.	1.3	3
15	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.	1.3	8
16	Casting Welding from Magnesium Alloy Using Filler Materials That Contain Scandium. <i>Materials</i> , 2022, 15, 4213.	1.3	6
17	Prediction of Abrasive Waterjet Machining Parameters of Military-Grade Armor Steel by Semi-Empirical and Regression Models. <i>Materials</i> , 2022, 15, 4368.	1.3	4
18	Adhesive Strength of Modified Cement – Ash Mortars. <i>Energies</i> , 2022, 15, 4229.	1.6	2

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19	Foamed Eco-Geopolymer Modified by Perlite and Cellulose as a Construction Material for Energy-Efficient Buildings. <i>Energies</i> , 2022, 15, 4297.	1.6	5
20	Investigation of Mechanical Properties and Microstructure of Construction- and Demolition-Waste-Based Geopolymers. <i>Journal of Composites Science</i> , 2022, 6, 191.	1.4	14
21	Mechanical Properties of Wood Fiber Reinforced Geopolymer Composites with Sand Addition. <i>Journal of Natural Fibers</i> , 2021, 18, 285-296.	1.7	55
22	Plain Geopolymer Concrete Cross-Section Surface Analysis After Creep and Shrinkage Tests in Compression and Tension. <i>RILEM Bookseries</i> , 2021, , 13-24.	0.2	1
23	Comparative Analysis Between Fly Ash Geopolymer and Reactive Ultra-Fine Fly Ash Geopolymer. <i>International Journal of Engineering and Technology Innovation</i> , 2021, 11, 161-170.	0.5	4
24	Foamed Geopolymer Composites with the Addition of Glass Wool Waste. <i>Materials</i> , 2021, 14, 4978.	1.3	22
25	The Influence of Short Coir, Glass and Carbon Fibers on the Properties of Composites with Geopolymer Matrix. <i>Materials</i> , 2021, 14, 4599.	1.3	20
26	Mechanical and Fracture Properties of Long Fiber Reinforced Geopolymer Composites. <i>Materials</i> , 2021, 14, 5183.	1.3	24
27	Determination of the Influence of Hydraulic Additives on the Foaming Process and Stability of the Produced Geopolymer Foams. <i>Materials</i> , 2021, 14, 5090.	1.3	19
28	Tensile Creep of Cement and Concrete Composites: Monitoring by Means of 2D-Digital Image Correlation. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8334.	1.3	0
29	Tackling the Circular Economy Challengesâ€”Composites Recycling: Used Tyres, Wind Turbine Blades, and Solar Panels. <i>Journal of Composites Science</i> , 2021, 5, 243.	1.4	38
30	Fly-Ash-Based Geopolymers Reinforced by Melamine Fibers. <i>Materials</i> , 2021, 14, 400.	1.3	26
31	Tribo-Mechanical Behavior of Geopolymer Composites with Wasted Flax Fibers. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1190, 012030.	0.3	4
32	Development and Characterization of Lightweight Geopolymer Composite Reinforced with Hybrid Carbon and Steel Fibers. <i>Materials</i> , 2021, 14, 5741.	1.3	16
33	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.	1.3	4
34	Review of Solutions for the Use of Phase Change Materials in Geopolymers. <i>Materials</i> , 2021, 14, 6044.	1.3	11
35	Effect of corundum sand proportion on strength properties geopolymer mortar based on fly ash. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1190, 012013.	0.3	0
36	Recycling of Mechanically Ground Wind Turbine Blades as Filler in Geopolymer Composite. <i>Materials</i> , 2021, 14, 6539.	1.3	8

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37	Effect of Fiber Reinforcement on the Compression and Flexural Strength of Fiber-Reinforced Geopolymers. Applied Sciences (Switzerland), 2021, 11, 10443.	1.3	15
38	Hybrid Materials Based on Fly Ash, Metakaolin, and Cement for 3D Printing. Materials, 2021, 14, 6874.	1.3	27
39	Management of mining wastes through their transformation into useful sorbent. IOP Conference Series: Earth and Environmental Science, 2021, 942, 012007.	0.2	2
40	Mechanical Properties of Short Polymer Fiber-Reinforced Geopolymer Composites. Journal of Composites Science, 2020, 4, 128.	1.4	46
41	Abrasive water jet machining of fly ash and metakaolin based geo-polymers. MATEC Web of Conferences, 2020, 322, 01020.	0.1	0
42	Geopolymers reinforced by short and long fibres – innovative materials for additive manufacturing. Current Opinion in Chemical Engineering, 2020, 28, 167-172.	3.8	37
43	The impact of the curing process on the efflorescence and mechanical properties of basalt fibre reinforced fly ash-based geopolymer composites. MATEC Web of Conferences, 2020, 322, 01004.	0.1	3
44	The influence of microstructure on mechanical properties of 3D printable geopolymer composites. MATEC Web of Conferences, 2020, 322, 01011.	0.1	1
45	Evaluation of Hybrid Melamine and Steel Fiber Reinforced Geopolymers Composites. Materials, 2020, 13, 5548.	1.3	27
46	Comparison of the long-term properties of foamed concrete and geopolymer concrete in compression. AIP Conference Proceedings, 2020, , .	0.3	8
47	Decreasing of Leaching and Improvement of Geopolymer Properties by Addition of Aluminum Calcium Cements and Titanium Oxide. Materials, 2020, 13, 495.	1.3	12
48	Mechanical Properties of Short Fiber-Reinforced Geopolymers Made by Casted and 3D Printing Methods: A Comparative Study. Materials, 2020, 13, 579.	1.3	40
49	Long-Term Deformation Properties of a Carbon-Fiber-Reinforced Alkali-Activated Cement Composite. Mechanics of Composite Materials, 2020, 56, 85-92.	0.9	9
50	Composite Properties of Non-Cement Blended Fiber Composites without Alkali Activator. Materials, 2020, 13, 1443.	1.3	6
51	The possibility of using waste materials as raw materials for the production of geopolymers. Acta Innovations, 2020, , 48-56.	0.4	16
52	The overview of mechanical properties of short natural fiber reinforced geopolymer composites. Environmental Research and Technology, 2020, 3, 21-32.	0.8	18
53	Engineering Properties of Ternary Cementless Blended Materials. International Journal of Engineering and Technology Innovation, 2020, 10, 191-199.	0.5	6
54	The binding properties of cementitious materials using circulating fluidized bed co-fired fly ash and pulverised coal fly ash. MATEC Web of Conferences, 2020, 322, 01003.	0.1	0

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55	The Fly-Ash Based Geopolymer Composites as an Innovative Material for Circular. MATEC Web of Conferences, 2020, 322, 01016.	0.1	2
56	The influence of fibre pre-treatment on the mechanical properties of the geopolymer composites. MATEC Web of Conferences, 2020, 322, 01012.	0.1	2
57	Materials Selection and Tests for Precise Execution of Foundry Molds Designed to Geopolymer Casts. MATEC Web of Conferences, 2020, 322, 01013.	0.1	0
58	The Use of Geopolymers for the Disposal of Asbestos-containing Materials. MATEC Web of Conferences, 2020, 322, 01014.	0.1	4
59	Fly ash as a raw material for geopolymerisation-mineralogical composition and morphology. IOP Conference Series: Materials Science and Engineering, 2019, 706, 012006.	0.3	14
60	Mechanical properties of composites based on geopolymers reinforced with sical. IOP Conference Series: Materials Science and Engineering, 2019, 706, 012007.	0.3	2
61	Mechanical properties of geopolymers reinforced with carbon and aramid long fibers. IOP Conference Series: Materials Science and Engineering, 2019, 706, 012011.	0.3	9
62	A Study on the Physicochemical Properties of Different Post-Process Wastes from Thermal Processes. IOP Conference Series: Materials Science and Engineering, 2019, 660, 012006.	0.3	0
63	Fly ash as a raw material for geopolymerisation - chemical composition and physical properties. IOP Conference Series: Materials Science and Engineering, 2019, 706, 012002.	0.3	23
64	Possibilities of using the 3D printing process in the concrete and geopolymers application. IOP Conference Series: Materials Science and Engineering, 2019, 706, 012019.	0.3	3
65	A Comparative Study of Mechanical Properties of Fly Ash-Based Geopolymer Made by Casted and 3D Printing Methods. IOP Conference Series: Materials Science and Engineering, 2019, 660, 012005.	0.3	16
66	Utilization of innovative system for coke oven wastewater treatment as an element of stabilization technology for post-process waste from municipal incineration plants. IOP Conference Series: Materials Science and Engineering, 2019, 706, 012018.	0.3	3
67	Circulation Fluidized Bed Combustion Fly Ash as Partial Replacement of Fine Aggregates in Roller Compacted Concrete. Materials, 2019, 12, 4204.	1.3	16
68	Mechanical Properties of Raffia Fibres Reinforced Geopolymer Composites. , 2018, , 135-144.		7
69	The behaviour of alkali activated materials based on calcium clay at elevated temperatures. MATEC Web of Conferences, 2018, 247, 00054.	0.1	3
70	Organic Polymers Reinforced Inorganic Polymers - An Overview. IOP Conference Series: Materials Science and Engineering, 2018, 416, 012090.	0.3	2
71	Geopolymer foam as a passive fire protection. MATEC Web of Conferences, 2018, 247, 00031.	0.1	19
72	The mechanical properties of flax and hemp fibres reinforced geopolymer composites. IOP Conference Series: Materials Science and Engineering, 2018, 379, 012023.	0.3	25

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73	The Mechanical Properties of Waste Tire Cords Reinforced Geopolymer Concretes. IOP Conference Series: Materials Science and Engineering, 2018, 416, 012089.	0.3	3
74	Effect of Coffee Grounds Addition on Efflorescence in Fly Ash-based Geopolymer. IOP Conference Series: Materials Science and Engineering, 2018, 416, 012035.	0.3	13
75	The Effect of Additives on the Properties of Metakaolin and Fly Ash Based Geopolymers. MATEC Web of Conferences, 2018, 163, 06005.	0.1	8
76	Geopolymers as a material suitable for immobilization of fly ash from municipal waste incineration plants. Journal of the Air and Waste Management Association, 2018, 68, 1190-1197.	0.9	35
77	Thermal Insulation and Thermally Resistant Materials Made of Geopolymer Foams. Procedia Engineering, 2016, 151, 410-416.	1.2	90
78	Material Solutions for Passive Fire Protection of Buildings and Structures and Their Performances Testing. Procedia Engineering, 2016, 151, 284-291.	1.2	49
79	Mechanical Properties of Geopolymer Composites Reinforced with Natural Fibers. Procedia Engineering, 2016, 151, 388-393.	1.2	143
80	Consulting as a factor in the development of organizational management. , 2013, 11, 89-105.	0.0	0
81	Quasi-Static Mechanical Characterization of Lightweight Fly Ash-Based Geopolymer Foams. IOP Conference Series: Materials Science and Engineering, 0, 416, 012102.	0.3	5
82	A Comparative Study of Linen (Flax) Fibers as Reinforcement of Fly Ash and Clay Brick Powder Based Geopolymers. IOP Conference Series: Materials Science and Engineering, 0, 416, 012107.	0.3	11
83	Mechanical Properties of Geopolymer Concretes Reinforced with Waste Steel Fibers. IOP Conference Series: Materials Science and Engineering, 0, 660, 012007.	0.3	3
84	Mechanical Properties of Basalt Fiber Reinforced Fly Ash-Based Geopolymer Composites. KnE Engineering, 0, , .	0.1	14
85	Impact of Flax Fiber Reinforcement on Mechanical Properties of Solid and Foamed Geopolymer Concrete. Advances in Technology Innovation, 0, , .	0.3	5
86	Development and Characterization of Thermal Insulation Geopolymer Foams Based on Fly Ash. Proceedings of Engineering and Technology Innovation, 0, 16, 23-29.	0.0	17
87	Development of 3D Printing Technology for Geopolymers. , 0, , .		1
88	Permeability of Ultra-Fine Reactive Fly Ash applied to Cement-Based Composites. , 0, , .		0
89	Influence on permeability and pore structure of polyolefin fiber reinforced concrete containing slag. Acta Polytechnica CTU Proceedings, 0, 33, 337-343.	0.3	3
90	Environmental degradation of foamed geopolymers. Continuum Mechanics and Thermodynamics, 0, , 1.	1.4	3