# Kinga Korniejenko

List of Publications by Year
in descending order



| 90 | 1,274 | 394286 19 | 434063 31 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 90 | 90 | 90 | 602 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Mechanical Properties of Geopolymer Composites Reinforced with Natural Fibers. Procedia Engineering, 2016, 151, 388-393. | 1.2 | 143 |
| 2 | Thermal Insulation and Thermally Resistant Materials Made of Geopolymer Foams. Procedia Engineering, 2016, 151, 410-416. | 1.2 | 90 |
| 3 | Mechanical Properties of Wood Fiber Reinforced Geopolymer Composites with Sand Addition. Journal of Natural Fibers, 2021, 18, 285-296. | 1.7 | 55 |
| 4 | Material Solutions for Passive Fire Protection of Buildings and Structures and Their Performances Testing. Procedia Engineering, 2016, 151, 284-291. | 1.2 | 49 |
| 5 | Mechanical Properties of Short Polymer Fiber-Reinforced Geopolymer Composites. Journal of Composites Science, 2020, 4, 128. | 1.4 | 46 |
| 6 | Mechanical Properties of Short Fiber-Reinforced Geopolymers Made by Casted and 3D Printing Methods: A Comparative Study. Materials, 2020, 13, 579. | 1.3 | 40 |
| 7 | Tackling the Circular Economy Challengesâ€"Composites Recycling: Used Tyres, Wind Turbine Blades, and Solar Panels. Journal of Composites Science, 2021, 5, 243. | 1.4 | 38 |
| 8 | Geopolymers reinforced by short and long fibres â€“ innovative materials for additive manufacturing. Current Opinion in Chemical Engineering, 2020, 28, 167-172. | 3.8 | 37 |
| 9 | 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 |
| 10 | Mechanical and thermal properties of wood fiber reinforced geopolymer composites. Journal of Natural Fibers, 2022, 19, 6676-6691. | 1.7 | 31 |
| 11 | Evaluation of Hybrid Melamine and Steel Fiber Reinforced Geopolymers Composites. Materials, 2020, 13, 5548. | 1.3 | 27 |
| 12 | Hybrid Materials Based on Fly Ash, Metakaolin, and Cement for 3D Printing. Materials, 2021, 14, 6874. | 1.3 | 27 |
| 13 | Fly-Ash-Based Geopolymers Reinforced by Melamine Fibers. Materials, 2021, 14, 400. | 1.3 | 26 |
| 14 | The Influence of the Material Structure on the Mechanical Properties of Geopolymer Composites Reinforced with Short Fibers Obtained with Additive Technologies. International Journal of Molecular Sciences, 2022, 23, 2023. | 1.8 | 26 |
| 15 | The mechanical properties of flax and hemp fibres reinforced geopolymer composites. IOP Conference Series: Materials Science and Engineering, 2018, 379, 012023. | 0.3 | 25 |
| 16 | Mechanical and Fracture Properties of Long Fiber Reinforced Geopolymer Composites. Materials, 2021, 14, 5183. | 1.3 | 24 |
| 17 | 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 |
| 18 | Foamed Geopolymer Composites with the Addition of Glass Wool Waste. Materials, 2021, 14, 4978. | 1.3 | 22 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The Influence of Short Coir, Glass and Carbon Fibers on the Properties of Composites with Geopolymer Matrix. Materials, 2021, 14, 4599. | 1.3 | 20 |
| 20 | Geopolymer foam as a passive fire protection. MATEC Web of Conferences, 2018, 247, 00031. | 0.1 | 19 |
| 21 | Determination of the Influence of Hydraulic Additives on the Foaming Process and Stability of the Produced Geopolymer Foams. Materials, 2021, 14, 5090. | 1.3 | 19 |
| 22 | 3D Printing of Concrete-Geopolymer Hybrids. Materials, 2022, 15, 2819. | 1.3 | 19 |
| 23 | The overview of mechanical properties of short natural fiber reinforced geopolymer composites. Environmental Research and Technology, 2020, 3, 21-32. | 0.8 | 18 |
| 24 | 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 |
| 25 | Mechanical Response of Geopolymer Foams to Heatingâ€"Managing Coal Gangue in Fire-Resistant Materials Technology. Energies, 2022, 15, 3363. | 1.6 | 17 |
| 26 | 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 |
| 27 | Circulation Fluidized Bed Combustion Fly Ash as Partial Replacement of Fine Aggregates in Roller Compacted Concrete. Materials, 2019, 12, 4204. | 1.3 | 16 |
| 28 | The possibility of using waste materials as raw materials for the production of geopolymers. Acta Innovations, 2020, , 48-56. | 0.4 | 16 |
| 29 | Development and Characterization of Lightweight Geopolymer Composite Reinforced with Hybrid Carbon and Steel Fibers. Materials, 2021, 14, 5741. | 1.3 | 16 |
| 30 | Effect of Fiber Reinforcement on the Compression and Flexural Strength of Fiber-Reinforced Geopolymers. Applied Sciences (Switzerland), 2021, 11, 10443. | 1.3 | 15 |
| 31 | 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 |
| 32 | Mechanical Properties of Basalt Fiber Reinforced Fly Ash-Based Geopolymer Composites. KnE Engineering, 0, , . | 0.1 | 14 |
| 33 | Investigation of Mechanical Properties and Microstructure of Construction- and Demolition-Waste-Based Geopolymers. Journal of Composites Science, 2022, 6, 191. | 1.4 | 14 |
| 34 | 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 |
| 35 | Fracture Behavior of Long Fiber Reinforced Geopolymer Composites at Different Operating Temperatures. Materials, 2022, 15, 482. | 1.3 | 13 |
| 36 | Decreasing of Leaching and Improvement of Geopolymer Properties by Addition of Aluminum Calcium Cements and Titanium Oxide. Materials, 2020, 13, 495. | 1.3 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Development of Geopolymers Based on Fly Ashes from Different Combustion Processes. Polymers, 2022, 14, 1954. | 2.0 | 12 |
| 38 | 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 |
| 39 | Review of Solutions for the Use of Phase Change Materials in Geopolymers. Materials, 2021, 14, 6044. | 1.3 | 11 |
| 40 | Mechanical properties of geopolymers reinforced with carbon and aramid long fibers. IOP Conference Series: Materials Science and Engineering, 2019, 706, 012011. | 0.3 | 9 |
| 41 | Long-Term Deformation Properties of a Carbon-Fiber-Reinforced Alkali-Activated Cement Composite. Mechanics of Composite Materials, 2020, 56, 85-92. | 0.9 | 9 |
| 42 | State of the art, challenges, and emerging trends: Geopolymer composite reinforced by dispersed steel fibers. Reviews on Advanced Materials Science, 2022, 61, 1-15. | 1.4 | 9 |
| 43 | The Effect of Additives on the Properties of Metakaolin and Fly Ash Based Geopolymers. MATEC Web of Conferences, 2018, 163, 06005. | 0.1 | 8 |
| 44 | Comparison of the long-term properties of foamed concrete and geopolymer concrete in compression. AIP Conference Proceedings, 2020, , . | 0.3 | 8 |
| 45 | Recycling of Mechanically Ground Wind Turbine Blades as Filler in Geopolymer Composite. Materials, 2021, 14, 6539. | 1.3 | 8 |
| 46 | Modelling Approach for the Prediction of Machinability in Al6061 Composites by Electrical Discharge Machining. Applied Sciences (Switzerland), 2022, 12, 2673. | 1.3 | 8 |
| 47 | Surface Modification of Synthetic Zeolites with Ca and HDTMA Compounds with Determination of Their Phytoavailability and Comparison of CEC and AEC Parameters. Materials, 2022, 15, 4083. | 1.3 | 8 |
| 48 | Mechanical Properties of Raffia Fibres Reinforced Geopolymer Composites. , 2018, , 135-144. | | 7 |
| 49 | Composite Properties of Non-Cement Blended Fiber Composites without Alkali Activator. Materials, 2020, 13, 1443. | 1.3 | 6 |
| 50 | Engineering Properties of Ternary Cementless Blended Materials. International Journal of Engineering and Technology Innovation, 2020, 10, 191-199. | 0.5 | 6 |
| 51 | Prediction of Kerf Width and Surface Roughness of Al6351 Based Composite in Wire-Cut Electric Discharge Machining Using Mathematical Modelling. Materials, 2022, 15, 1102. | 1.3 | 6 |
| 52 | Optimizing the L/S Ratio in Geopolymers for the Production of Large-Size Elements with 3D Printing Technology. Materials, 2022, 15, 3362. | 1.3 | 6 |
| 53 | Casting Welding from Magnesium Alloy Using Filler Materials That Contain Scandium. Materials, 2022, 15, 4213. | 1.3 | 6 |
| 54 | Quasi-Static Mechanical Characterization of Lightweight Fly Ash-Based Geopolymer Foams. IOP Conference Series: Materials Science and Engineering, 0, 416, 012102. | 0.3 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Impact of Flax Fiber Reinforcement on Mechanical Properties of Solid and Foamed Geopolymer Concrete. Advances in Technology Innovation, 0, , . | 0.3 | 5 |
| 56 | Foamed Eco-Geopolymer Modified by Perlite and Cellulose as a Construction Material for Energy-Efficient Buildings. Energies, 2022, 15, 4297. | 1.6 | 5 |
| 57 | Comparative Analysis Between Fly Ash Geopolymer and Reactive Ultra-Fine Fly Ash Geopolymer. International Journal of Engineering and Technology Innovation, 2021, 11, 161-170. | 0.5 | 4 |
| 58 | Tribo-Mechanical Behavior of Geopolymer Composites with Wasted Flax Fibers. IOP Conference Series: Materials Science and Engineering, 2021, 1190, 012030. | 0.3 | 4 |
| 59 | Concept of Flocks Fragmentation and Averaging Method for the Application of Electrocoagulation in Process for Coke Oven Wastewater Treatment. Materials, 2021, 14, 6307. | 1.3 | 4 |
| 60 | The Use of Geopolymers for the Disposal of Asbestos-containing Materials. MATEC Web of Conferences, 2020, 322, 01014. | 0.1 | 4 |
| 61 | Prediction of Abrasive Waterjet Machining Parameters of Military-Grade Armor Steel by Semi-Empirical and Regression Models. Materials, 2022, 15, 4368. | 1.3 | 4 |
| 62 | The behaviour of alkali activated materials based on calcium clay at elevated temperatures. MATEC Web of Conferences, 2018, 247, 00054. | 0.1 | 3 |
| 63 | The Mechanical Properties of Waste Tire Cords Reinforced Geopolymer Concretes. IOP Conference Series: Materials Science and Engineering, 2018, 416, 012089. | 0.3 | 3 |
| 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 | 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 |
| 66 | 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 |
| 67 | Mechanical Properties of Geopolymer Concretes Reinforced with Waste Steel Fibers. IOP Conference Series: Materials Science and Engineering, 0, 660, 012007. | 0.3 | 3 |
| 68 | A study on geopolymer composites based on waste from wind turbine blades. Materialwissenschaft Und Werkstofftechnik, 2022, 53, 467-478. | 0.5 | 3 |
| 69 | Influence on permeability and pore structure of polyolefin fiber reinforced concrete containing slag. Acta Polytechnica CTU Proceedings, 0, 33, 337-343. | 0.3 | 3 |
| 70 | Environmental degradation of foamed geopolymers. Continuum Mechanics and Thermodynamics, 0, , 1. | 1.4 | 3 |
| 71 | The Influence of Tuff Particles on the Properties of the Sintered Copper Matrix Composite for Application in Resistance Welding Electrodes. Applied Sciences (Switzerland), 2022, 12, 4477. | 1.3 | 3 |
| 72 | Influence of Alkaline Earth Metals on Structure Formation and Magnesium Alloy Properties. Materials, 2022, 15, 4341. | 1.3 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Organic Polymers Reinforced Inorganic Polymers - An Overview. IOP Conference Series: Materials Science and Engineering, 2018, 416, 012090. | 0.3 | 2 |
| 74 | Mechanical properties of composites based on geopolymers reinforced with sizal. IOP Conference Series: Materials Science and Engineering, 2019, 706, 012007. | 0.3 | 2 |
| 75 | The Fly-Ash Based Geopolymer Composites as an Innovative Material for Circular. MATEC Web of Conferences, 2020, 322, 01016. | 0.1 | 2 |
| 76 | The influence of fibre pre-treatment on the mechanical properties of the geopolymer composites. MATEC Web of Conferences, 2020, 322, 01012. | 0.1 | 2 |
| 77 | Management of mining wastes through their transformation into useful sorbent. IOP Conference Series: Earth and Environmental Science, 2021, 942, 012007. | 0.2 | 2 |
| 78 | Adhesive Strength of Modified Cementâ€“Ash Mortars. Energies, 2022, 15, 4229. | 1.6 | 2 |
| 79 | The influence of microstructure on mechanical properties of 3D printable geopolymer composites. MATEC Web of Conferences, 2020, 322, 01011. | 0.1 | 1 |
| 80 | Plain Geopolymer Concrete Cross-Section Surface Analysis After Creep and Shrinkage Tests in Compression and Tension. RILEM Bookseries, 2021, , 13-24. | 0.2 | 1 |
| 81 | Development of 3D Printing Technology for Geopolymers. , 0, , . | | 1 |
| 82 | Assessment of Adhesion of Geopolymer and Varnished Coatings by the Pull-Off Method. Eng, 2022, 3, 42-59. | 1.2 | 1 |
| 83 | 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 |
| 84 | Abrasive water jet machining of fly ash and metakaolin based geo-polymers. MATEC Web of Conferences, 2020, 322, 01020. | 0.1 | 0 |
| 85 | Tensile Creep of Cement and Concrete Composites: Monitoring by Means of 2D-Digital Image Correlation. Applied Sciences (Switzerland), 2021, 11, 8334. | 1.3 | 0 |
| 86 | Effect of corundum sand proportion on strength properties geopolymer mortar based on fly ash. IOP Conference Series: Materials Science and Engineering, 2021, 1190, 012013. | 0.3 | 0 |
| 87 | Consulting as a factor in the development of organizational management. , 2013, 11, 89-105. | 0.0 | 0 |
| 88 | 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 |
| 89 | Materials Selection and Tests for Precise Execution of Foundry Molds Designed to Geopolymer Casts. MATEC Web of Conferences, 2020, 322, 01013. | 0.1 | 0 |
| 90 | Permeability of Ultra-Fine Reactive Fly Ash applied to Cement-Based Composites. , 0, , . | | 0 |