

Mohd Mustafa Al Bakri Abdullah

List of Publications by Year in descending order

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518
papers

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citations

109321

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519
all docs

519
docs citations

519
times ranked

4069
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and properties of clay-based geopolymer cements: A review. Progress in Materials Science, 2016, 83, 595-629.	32.8	371
2	Study on solids-to-liquid and alkaline activator ratios on kaolin-based geopolymers. Construction and Building Materials, 2012, 35, 912-922.	7.2	303
3	Effects of elevated temperatures on the thermal behavior and mechanical performance of fly ash geopolymer paste, mortar and lightweight concrete. Construction and Building Materials, 2014, 50, 377-387.	7.2	278
4	Fly Ash-based Geopolymer Lightweight Concrete Using Foaming Agent. International Journal of Molecular Sciences, 2012, 13, 7186-7198.	4.1	216
5	The Effect of Curing Temperature on Physical and Chemical Properties of Geopolymers. Physics Procedia, 2011, 22, 286-291.	1.2	146
6	Processing and characterization of calcined kaolin cement powder. Construction and Building Materials, 2012, 30, 794-802.	7.2	146
7	Effect of Curing Profile on Kaolin-based Geopolymers. Physics Procedia, 2011, 22, 305-311.	1.2	141
8	Mechanical properties and microstructure analysis of FA-GGBS-HMNS based geopolymer concrete. Construction and Building Materials, 2019, 210, 198-209.	7.2	127
9	Correlation between pore structure, compressive strength and thermal conductivity of porous metakaolin geopolymer. Construction and Building Materials, 2020, 247, 118641.	7.2	119
10	Formation of one-part-mixing geopolymers and geopolymer ceramics from geopolymer powder. Construction and Building Materials, 2017, 156, 9-18.	7.2	109
11	Optimization of solids-to-liquid and alkali activator ratios of calcined kaolin geopolymeric powder. Construction and Building Materials, 2012, 37, 440-451.	7.2	106
12	Effect of Solids-To-Liquids, Na ₂ SiO ₃ -To-NaOH and Curing Temperature on the Palm Oil Boiler Ash (Si +) Tj ETQq0 0 0, rgBT /Overlock 10 T	2.98	103
13	Thermal Resistance Variations of Fly Ash Geopolymers: Foaming Responses. Scientific Reports, 2017, 7, 45355.	3.3	103
14	Kaolin-based geopolymers with various NaOH concentrations. International Journal of Minerals, Metallurgy and Materials, 2013, 20, 313-322.	4.9	84
15	Study of Fly Ash Characterization as a Cementitious Material. Procedia Engineering, 2016, 148, 487-493.	1.2	83
16	Strength development of solely ground granulated blast furnace slag geopolymers. Construction and Building Materials, 2020, 250, 118720.	7.2	82
17	Title is missing!. ScienceAsia, 2008, 34, 341.	0.5	82
18	The Relationship of NaOH Molarity, Na ₂ O/SiO ₂ /NaOH Ratio, Fly Ash/Alkaline Activator Ratio, and Curing Temperature to the Strength of Fly Ash-Based Geopolymer. Advanced Materials Research, 0, 328-330, 1475-1482.	0.3	77

#	ARTICLE	IF	CITATIONS
19	Review on Adsorption of Heavy Metal in Wastewater by Using Geopolymer. MATEC Web of Conferences, 2017, 97, 01023.	0.2	77
20	Mechanical properties of Sn-0.7Cu/Si3N4 lead-free composite solder. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 556, 633-637.	5.6	76
21	Fly Ash Porous Material using Geopolymerization Process for High Temperature Exposure. International Journal of Molecular Sciences, 2012, 13, 4388-4395.	4.1	64
22	XRD and TG-DTA Study of New Alkali Activated Materials Based on Fly Ash with Sand and Glass Powder. Materials, 2020, 13, 343.	2.9	63
23	Comparison of Geopolymer Fly Ash and Ordinary Portland Cement to the Strength of Concrete. Advanced Science Letters, 2013, 19, 3592-3595.	0.2	58
24	Comparison of Linear Interpolation Method and Mean Method to Replace the Missing Values in Environmental Data Set. Materials Science Forum, 0, 803, 278-281.	0.3	53
25	Potential use of Plastic Waste as Construction Materials: Recent Progress and Future Prospect. IOP Conference Series: Materials Science and Engineering, 2017, 267, 012011.	0.6	51
26	Solderability of Sn-0.7Cu/Si3N4 lead-free composite solder on Cu-substrate. Physics Procedia, 2011, 22, 299-304.	1.2	48
27	Geopolymers and Their Uses: Review. IOP Conference Series: Materials Science and Engineering, 2018, 374, 012019.	0.6	48
28	Relation between Density and Compressive Strength of Foamed Concrete. Materials, 2021, 14, 2967.	2.9	47
29	Potential of Soil Stabilization Using Ground Granulated Blast Furnace Slag (GGBFS) and Fly Ash via Geopolymerization Method: A Review. Materials, 2022, 15, 375.	2.9	46
30	Influence of Solids-to-liquid and Activator Ratios on Calcined Kaolin Cement Powder. Physics Procedia, 2011, 22, 312-317.	1.2	45
31	Strength Development and Elemental Distribution of Dolomite/Fly Ash Geopolymer Composite under Elevated Temperature. Materials, 2020, 13, 1015.	2.9	42
32	A State-of-the-Art Review on Innovative Geopolymer Composites Designed for Water and Wastewater Treatment. Materials, 2021, 14, 7456.	2.9	42
33	Mechanical and Microstructural Evaluations of Lightweight Aggregate Geopolymer Concrete before and after Exposed to Elevated Temperatures. Materials, 2013, 6, 4450-4461.	2.9	41
34	Interdigitated electrodes as impedance and capacitance biosensors: A review. AIP Conference Proceedings, 2017, . .	0.4	41
35	Behaviour changes of ground granulated blast furnace slag geopolymers at high temperature. Advances in Cement Research, 2020, 32, 465-475.	1.6	40
36	Influences of SiO2, Al2O3, CaO and MgO in phase transformation of sintered kaolin-ground granulated blast furnace slag geopolymer. Journal of Materials Research and Technology, 2020, 9, 14922-14932.	5.8	40

#	ARTICLE	IF	CITATIONS
37	Geopolymer as underwater concreting material: A review. Construction and Building Materials, 2021, 291, 123276.	7.2	37
38	Optimization of Alkaline Activator/Fly ASH Ratio on the Compressive Strength of Manufacturing Fly ASH-BASED Geopolymer. Applied Mechanics and Materials, 0, 110-116, 734-739.	0.2	36
39	Study on Fly Ash Based Geopolymer for Coating Applications. Advanced Materials Research, 0, 686, 227-233.	0.3	36
40	The Relationship between Water Absorption and Porosity for Geopolymer Paste. Materials Science Forum, 0, 803, 166-172.	0.3	36
41	Self-Cleaning Technology in Fabric: A Review. IOP Conference Series: Materials Science and Engineering, 2016, 133, 012028.	0.6	36
42	Influence of ZnO Nanoparticles on Mechanical Properties and Photocatalytic Activity of Self-cleaning ZnO-Based Geopolymer Paste. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 2007-2016.	3.7	35
43	Design of Experiment on Concrete Mechanical Properties Prediction: A Critical Review. Materials, 2021, 14, 1866.	2.9	35
44	Formulation, mechanical properties and phase analysis of fly ash geopolymer with ladle furnace slag replacement. Journal of Materials Research and Technology, 2021, 12, 1212-1226.	5.8	35
45	Evaluation on the Mechanical Properties of Ground Granulated Blast Slag (GGBS) and Fly Ash Stabilized Soil via Geopolymer Process. Materials, 2021, 14, 2833.	2.9	34
46	Filling Missing Data Using Interpolation Methods: Study on the Effect of Fitting Distribution. Key Engineering Materials, 0, 594-595, 889-895.	0.4	32
47	Assessment of the Suitability of Ceramic Waste in Geopolymer Composites: An Appraisal. Materials, 2021, 14, 3279.	2.9	32
48	Correlation between $\text{Na}/\text{SiO}_2/\text{NaOH}$ Ratio and Fly Ash/Alkaline Activator Ratio to the Strength of Geopolymer. Advanced Materials Research, 0, 341-342, 189-193.	0.3	31
49	Cutting tool wear optimization in the machining of fly ash geopolymer using Taguchi method. AIP Conference Proceedings, 2018, .	0.4	31
50	The Effects of Various Concentrations of NaOH on the Inter-Particle Gelation of a Fly Ash Geopolymer Aggregate. Materials, 2021, 14, 1111.	2.9	31
51	Optimization of NaOH Molarity, LUSI Mud/Alkaline Activator, and $\text{Na}_2\text{SiO}_3/\text{NaOH}$ Ratio to Produce Lightweight Aggregate-Based Geopolymer. International Journal of Molecular Sciences, 2015, 16, 11629-11647.	4.1	30
52	Strength and Density of Geopolymer Mortar Cured at Ambient Temperature for Use as Repair Material. IOP Conference Series: Materials Science and Engineering, 2016, 133, 012042.	0.6	30
53	Clay-Based Materials in Geopolymer Technology. , 0, .		30
54	Recent developments in fire retardant glass fibre reinforced epoxy composite and geopolymer as a potential fire-retardant material: A review. Construction and Building Materials, 2021, 277, 122246.	7.2	30

#	ARTICLE	IF	CITATIONS
55	Bonding Strength Characteristics of FA-Based Geopolymer Paste as a Repair Material When Applied on OPC Substrate. Applied Sciences (Switzerland), 2020, 10, 3321.	2.5	29
56	Review on Various Types of Geopolymer Materials with the Environmental Impact Assessment. MATEC Web of Conferences, 2017, 97, 01021.	0.2	28
57	Review of Dolomite as Precursor of Geopolymer Materials. MATEC Web of Conferences, 2016, 78, 01090.	0.2	27
58	Influence of Kaolin in Fly Ash Based Geopolymer Concrete: Destructive and Non-Destructive Testing. IOP Conference Series: Materials Science and Engineering, 2018, 374, 012068.	0.6	27
59	Application of Clay - Based Geopolymer in Brick Production: A Review. Advanced Materials Research, 0, 626, 878-882.	0.3	26
60	The Effect of Various Waste Materialsâ€™ Contents on the Attenuation Level of Anti-Radiation Shielding Concrete. Materials, 2013, 6, 4836-4846.	2.9	26
61	Characterisation at the Bonding Zone between Fly Ash Based Geopolymer Repair Materials (GRM) and Ordinary Portland Cement Concrete (OPCC). Materials, 2021, 14, 56.	2.9	26
62	Comparative mechanical and microstructural properties of high calcium fly ash one-part geopolymers activated with Na ₂ SiO ₃ -anhydrous and NaAlO ₂ . Journal of Materials Research and Technology, 2021, 15, 3850-3866.	5.8	26
63	Heat evolution of alkali-activated materials: A review on influence factors. Construction and Building Materials, 2022, 314, 125651.	7.2	26
64	Effect Of Crumb Rubber On Compressive Strength Of Fly Ash Based Geopolymer Concrete. MATEC Web of Conferences, 2016, 78, 01063.	0.2	25
65	Evaluation of flexural properties and characterisation of 10-mm thin geopolymer based on fly ash and ladle furnace slag. Journal of Materials Research and Technology, 2021, 15, 163-176.	5.8	25
66	Performance and Characterization of Geopolymer Concrete Reinforced with Short Steel Fiber. IOP Conference Series: Materials Science and Engineering, 2017, 209, 012038.	0.6	24
67	Comparison of Hook and Straight Steel Fibers Addition on Malaysian Fly Ash-Based Geopolymer Concrete on the Slump, Density, Water Absorption and Mechanical Properties. Materials, 2021, 14, 1310.	2.9	24
68	Manufacturing of Fire Resistance Geopolymer: A Review. MATEC Web of Conferences, 2016, 78, 01023.	0.2	23
69	Review of Geopolymer Behaviour in Thermal Environment. IOP Conference Series: Materials Science and Engineering, 2017, 209, 012085.	0.6	23
70	The Effect of Ni and Bi Additions on the Solderability of Sn-0.7Cu Solder Coatings. Journal of Electronic Materials, 2020, 49, 1-12.	2.2	23
71	Properties of a New Insulation Material Glass Bubble in Geopolymer Concrete. Materials, 2021, 14, 809.	2.9	23
72	Mechanical Properties of Polymer Composites with Sugarcane Bagasse Filler. Advanced Materials Research, 2013, 740, 739-744.	0.3	22

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73	Fabrication Method of Aluminum Matrix Composite (AMCs): A Review. Key Engineering Materials, 0, 700, 102-110.	0.4	22
74	Microstructure and porosity evolution of alkali activated slag at various heating temperatures. Journal of Materials Research and Technology, 2020, 9, 15894-15907.	5.8	22
75	Effect of phosphate addition on room-temperature-cured fly ash-metakaolin blend geopolymers. Construction and Building Materials, 2021, 270, 121486.	7.2	22
76	Self-cleaning geopolymer concrete - A review. IOP Conference Series: Materials Science and Engineering, 2016, 133, 012026.	0.6	21
77	Effect of Sodium Hydroxide Molarity on Physical, Mechanical and Thermal Conductivity of Metakaolin Geopolymers. IOP Conference Series: Materials Science and Engineering, 2018, 343, 012015.	0.6	21
78	Effect of Unmodified and Modified Nanocrystalline Cellulose Reinforced Polylactic Acid (PLA) Polymer Prepared by Solvent Casting Method Morphology, mechanical and thermal properties. Materiale Plastice, 2017, 54, 91-97.	0.8	21
79	Mechanical and Durability Analysis of Fly Ash Based Geopolymer with Various Compositions for Rigid Pavement Applications. Materials, 2022, 15, 3458.	2.9	21
80	Feasibility of Producing Wood Fibre-Reinforced Geopolymer Composites (WFRGC). Advanced Materials Research, 0, 626, 918-925.	0.3	20
81	Nano Geopolymer for Sustainable Concrete Using Fly Ash Synthesized by High Energy Ball Milling. Applied Mechanics and Materials, 0, 313-314, 169-173.	0.2	20
82	Performance of Waste Cooking Oil in Asphalt Binder Modification. Key Engineering Materials, 0, 700, 216-226.	0.4	20
83	Surface integrity of steel fibre reinforced fly ash geopolymer in CNC lathe operation. AIP Conference Proceedings, 2018, , .	0.4	20
84	Potential of industrial By-Products based geopolymer for rigid concrete pavement application. Construction and Building Materials, 2022, 344, 128190.	7.2	20
85	Microstructure Study on Optimization of High Strength Fly Ash Based Geopolymer. Advanced Materials Research, 0, 476-478, 2173-2180.	0.3	19
86	Evaluation of ICP-OES Method for Heavy Metal and Metalloids Determination in Sterile Dump Material. Solid State Phenomena, 0, 273, 159-166.	0.3	19
87	Effect of Geopolymer Coating on Mild Steel. Solid State Phenomena, 2018, 273, 175-180.	0.3	19
88	Effect of Aluminium Powder on Kaolin-Based Geopolymer Characteristic and Removal of Cu ²⁺ . Materials, 2021, 14, 814.	2.9	19
89	Evaluation on the rheological and mechanical properties of concrete incorporating eggshell with tire powder. Journal of Materials Research and Technology, 2021, 14, 439-451.	5.8	19
90	Improving flexural and dielectric properties of carbon fiber epoxy composite laminates reinforced with carbon nanotubes interlayer using electrospray deposition. Nanotechnology Reviews, 2020, 9, 1170-1182.	5.8	19

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91	Strength of Concrete with Ceramic Waste and Quarry Dust as Aggregates. Applied Mechanics and Materials, 0, 421, 390-394.	0.2	18
92	The Pozzoolanic Activity Level of Powder Waste Glass in Comparisons with other Powders. Key Engineering Materials, 0, 660, 237-243.	0.4	18
93	A Review of Fly Ash-Based Geopolymer Lightweight Bricks. Applied Mechanics and Materials, 0, 754-755, 452-456.	0.2	18
94	Potential of Starch Nanocomposites for Biomedical Applications. IOP Conference Series: Materials Science and Engineering, 2017, 209, 012087.	0.6	18
95	Optimization of the use of mother liquor in the synthesis of HKUST-1 and their performance for removal of chromium (VI) in aqueous solutions. Journal of Water Process Engineering, 2021, 39, 101670.	5.6	18
96	Evaluation of the Effect of Silica Fume on Amorphous Fly Ash Geopolymers Exposed to Elevated Temperature. Magnetochemistry, 2021, 7, 9.	2.4	18
97	Study on the Properties of Oil Palm Trunk Fiber (OPTF) in Cement Composite. Applied Mechanics and Materials, 0, 421, 395-400.	0.2	17
98	The properties and durability of fly ash-based geopolymeric masonry bricks. , 2015, , 273-287.		17
99	Kaolin Geopolymer as Precursor to Ceramic Formation. MATEC Web of Conferences, 2016, 78, 01061.	0.2	17
100	Potential of Geopolymer Mortar as Concrete Repairing Materials. Materials Science Forum, 0, 857, 382-387.	0.3	17
101	Investigation of Heat Released during Geopolymerization with Fly Ash based Geopolymer. IOP Conference Series: Materials Science and Engineering, 2019, 551, 012093.	0.6	17
102	Geopolymerization of class C fly ash: Reaction kinetics, microstructure properties and compressive strength of early age. Journal of Non-Crystalline Solids, 2021, 553, 120519.	3.1	17
103	A Review on Fly Ash as a Raw Cementitious Material for Geopolymer Concrete. Revista De Chimie (discontinued), 2018, 69, 1661-1667.	0.4	17
104	Strength and durability properties of geopolymer paver blocks made with fly ash and brick kiln rice husk ash. Case Studies in Construction Materials, 2022, 16, e00800.	1.7	17
105	Strength of Concrete Based Cement Using Recycle Ceramic Waste as Aggregate. Advanced Materials Research, 2013, 740, 734-738.	0.3	16
106	A Review on Mechanical Properties of Geopolymer Composites for High Temperature Application. Key Engineering Materials, 0, 660, 34-38.	0.4	16
107	Coagulation-Flocculation Process in Landfill Leachate Treatment: Focus on Coagulants and Coagulants Aid. IOP Conference Series: Materials Science and Engineering, 2017, 209, 012083.	0.6	16
108	Effect of graphite loading on properties of polyaniline/graphite composites. Polymer Bulletin, 2018, 75, 209-220.	3.3	16

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109	Tool Wear and Surface Evaluation in Drilling Fly Ash Geopolymer Using HSS, HSS-Co, and HSS-TiN Cutting Tools. <i>Materials</i> , 2021, 14, 1628.	2.9	16
110	Potential Applications of Geopolymer Cement-Based Composite as Self-Cleaning Coating: A Review. <i>Coatings</i> , 2022, 12, 133.	2.6	16
111	Thin fly ash/ ladle furnace slag geopolymer: Effect of elevated temperature exposure on flexural properties and morphological characteristics. <i>Ceramics International</i> , 2022, 48, 16562-16575.	4.8	16
112	The Influence of Sintering Temperature on the Pore Structure of an Alkali-Activated Kaolin-Based Geopolymer Ceramic. <i>Materials</i> , 2022, 15, 2667.	2.9	16
113	Microstructure Studies on the Effect of the Alkaline Activators of Fly Ash-Based Geopolymer at Elevated Heat Treatment Temperature. <i>Applied Mechanics and Materials</i> , 0, 421, 342-348.	0.2	15
114	Review of Soil Stabilization Techniques: Geopolymerization Method one of the New Technique. <i>Key Engineering Materials</i> , 0, 660, 298-304.	0.4	15
115	Review on Characterization and Mechanical Performance of Self-cleaning Concrete. <i>MATEC Web of Conferences</i> , 2017, 97, 01022.	0.2	15
116	Effects of sodium hydroxide (NaOH) solution concentration on fly ash-based lightweight geopolymer. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	15
117	Mechanical properties on geopolymer brick: A review. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	15
118	A review on surface integrity of steel fibre reinforced fly ash geopolymer using lathe operation. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	15
119	A review on cutting tool wear in the machining of fly ash geopolymer. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	15
120	Properties of polyaniline/graphene oxide (PANI/GO) composites: effect of GO loading. <i>Polymer Bulletin</i> , 2021, 78, 4835-4847.	3.3	15
121	The Effect of Curing Time on the Properties of Fly Ash-Based Geopolymer Bricks. <i>Advanced Materials Research</i> , 2012, 626, 937-941.	0.3	14
122	A Study on Relationship between Porosity and Compressive Strength for Geopolymer Paste. <i>Key Engineering Materials</i> , 2013, 594-595, 1112-1116.	0.4	14
123	Review of Geopolymer Materials for Thermal Insulating Applications. <i>Key Engineering Materials</i> , 2015, 660, 17-22.	0.4	14
124	Interrelationship of Kaolin, Alkaline Liquid Ratio and Strength of Kaolin Geopolymer. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 133, 012004.	0.6	14
125	Characterization and Microstructure of Kaolin-Based Ceramic Using Geopolymerization. <i>Key Engineering Materials</i> , 0, 700, 3-11.	0.4	14
126	A Review on Fly Ash Based Geopolymer Rubberized Concrete. <i>Key Engineering Materials</i> , 0, 700, 183-196.	0.4	14

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127	Properties and Behavior of Geopolymer Concrete Subjected to Explosive Air Blast Loading: A Review. MATEC Web of Conferences, 2017, 97, 01019.	0.2	14
128	Geopolymer as an adsorbent of heavy metal: A review. AIP Conference Proceedings, 2017, , .	0.4	14
129	Geopolymer lightweight bricks manufactured from fly ash and foaming agent. AIP Conference Proceedings, 2017, , .	0.4	14
130	Phase study of titanium dioxide nanoparticle prepared via sol-gel process. IOP Conference Series: Materials Science and Engineering, 2018, 343, 012011.	0.6	14
131	Durability of Fly Ash Based Geopolymer Concrete Infilled with Rubber Crumb in Seawater Exposure. IOP Conference Series: Materials Science and Engineering, 2018, 374, 012069.	0.6	14
132	Manufacturing parameters influencing fire resistance of geopolymers: A review. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2019, 233, 721-733.	1.1	14
133	Catechin adsorption on magnetic hydroxyapatite nanoparticles: A synergistic interaction with calcium ions. Materials Chemistry and Physics, 2020, 241, 122337.	4.0	14
134	Warping Optimisation on the Moulded Part with Straight Drilled and Conformal Cooling Channels Using Response Surface Methodology (RSM), Glowworm Swarm Optimisation (GSO) and Genetic Algorithm (GA) Optimisation Approaches. Materials, 2021, 14, 1326.	2.9	14
135	Recent Developments in Steelmaking Industry and Potential Alkali Activated Based Steel Waste: A Comprehensive Review. Materials, 2022, 15, 1948.	2.9	14
136	Comparison of thermal performance between fly ash geopolymer and fly ash-ladle furnace slag geopolymer. Journal of Non-Crystalline Solids, 2022, 585, 121527.	3.1	14
137	Comparative Study on Thermal, Compressive, and Wear Properties of Palm Slag Brake Pad Composite with other Fillers. Advanced Materials Research, 0, 328-330, 1636-1641.	0.3	13
138	Strength and Microstructural Properties of Mechanically-Activated Kaolin Geopolymers. Advanced Materials Research, 2012, 626, 926-930.	0.3	13
139	Fire Resistant Properties of Geopolymers: A Review. Key Engineering Materials, 0, 660, 39-43.	0.4	13
140	Utilization of Modified Palm Kernel Shell for Biocomposites Production. Key Engineering Materials, 0, 700, 60-69.	0.4	13
141	Correlation of the Processing Parameters in the Formation of Granulated Ground Blast Furnace Slag Geopolymer. IOP Conference Series: Materials Science and Engineering, 2017, 209, 012040.	0.6	13
142	Curing Behavior on Kaolin-Based Geopolymers. Advanced Materials Research, 0, 548, 42-47.	0.3	12
143	Study on Physical and Chemical Properties of Fly Ash from Different Area in Malaysia. Key Engineering Materials, 0, 594-595, 985-989.	0.4	12
144	Fly Ash Based Lightweight Geopolymer Concrete Using Foaming Agent Technology. Applied Mechanics and Materials, 0, 679, 20-24.	0.2	12

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145	The Electrical Resistivity of Geopolymer Paste by Using Wenner Four Probe Method. Key Engineering Materials, 0, 660, 28-33.	0.4	12
146	Effect of PVA Fiber in Increasing Mechanical Strength on Paste Containing Glass Powder. Key Engineering Materials, 0, 673, 83-93.	0.4	12
147	The effect on slurry water as a fresh water replacement in concrete properties. IOP Conference Series: Materials Science and Engineering, 2016, 133, 012041.	0.6	12
148	A Review on the Manufacturing of Lightweight Aggregates Using Industrial By-Product. MATEC Web of Conferences, 2016, 78, 01067.	0.2	12
149	The Utilization of Coconut Fibre into Fired Clay Brick. Key Engineering Materials, 0, 673, 213-222.	0.4	12
150	Effect of Alkali Concentration on Fly Ash Geopolymers. IOP Conference Series: Materials Science and Engineering, 2018, 343, 012013.	0.6	12
151	Thermal Insulation Properties of Insulated Concrete. Revista De Chimie (discontinued), 2019, 70, 3027-3031.	0.4	12
152	Modelling of PM10 concentration for industrialized area in Malaysia: A case study in Shah Alam. Physics Procedia, 2011, 22, 318-324.	1.2	11
153	Microstructure Studies on Different Types of Geopolymer Materials. Applied Mechanics and Materials, 0, 421, 384-389.	0.2	11
154	Mechanical Properties and Morphology of Palm Slag, Calcium Carbonate and Dolomite Filler in Brake Pad Composites. Applied Mechanics and Materials, 0, 313-314, 174-178.	0.2	11
155	Development of Fly Ash-Based Geopolymer Lightweight Bricks Using Foaming Agent - A Review. Key Engineering Materials, 2015, 660, 9-16.	0.4	11
156	Review on Potential of Geopolymer for Concrete Repair and Rehabilitation. MATEC Web of Conferences, 2016, 78, 01065.	0.2	11
157	Lightweight Heat Resistant Geopolymer-based Materials Synthesized from Red Mud and Rice Husk Ash Using Sodium Silicate Solution as Alkaline Activator. MATEC Web of Conferences, 2017, 97, 01119.	0.2	11
158	Self-Fluxing Mechanism in Geopolymerization for Low-Sintering Temperature of Ceramic. Materials, 2021, 14, 1325.	2.9	11
159	Waste Material via Geopolymerization for Heavy-Duty Application: A Review. Materials, 2022, 15, 3205.	2.9	11
160	Artificial Lightweight Aggregates Made from Pozzolanic Material: A Review on the Method, Physical and Mechanical Properties, Thermal and Microstructure. Materials, 2022, 15, 3929.	2.9	11
161	Alteration in the Microstructure of Fly Ash Geopolymers upon Exposure to Elevated Temperatures. Advanced Materials Research, 0, 795, 201-205.	0.3	10
162	Effect of NaOH Concentration on Flexural Strength, Phase Formation and Microstructural Development of Kaolin Geopolymer Ceramic. Materials Science Forum, 0, 857, 405-411.	0.3	10

#	ARTICLE	IF	CITATIONS
163	Microstructure and Mechanical Properties of Fly Ash Particulate Reinforced in LM6 for Energy Enhancement in Automotive Applications. IOP Conference Series: Materials Science and Engineering, 2016, 133, 012046.	0.6	10
164	Corrosion Studies of Fly Ash and Fly Ash-Slag Based Geopolymer. IOP Conference Series: Materials Science and Engineering, 2017, 209, 012026.	0.6	10
165	ZnO Photoanode Effect on the Efficiency Performance of Organic Based Dye Sensitized Solar Cell. IOP Conference Series: Materials Science and Engineering, 2017, 209, 012028.	0.6	10
166	Synthesis and Characterization of TiO ₂ /SiO ₂ Thin Film via Sol-Gel Method. IOP Conference Series: Materials Science and Engineering, 2017, 209, 012002.	0.6	10
167	Study on The Geopolymer Concrete Properties Reinforced with Hooked Steel Fiber. IOP Conference Series: Materials Science and Engineering, 2017, 267, 012014.	0.6	10
168	Characterisation and understanding of Portland cement mortar with different sizes of bottom ash. Advances in Cement Research, 2018, 30, 66-74.	1.6	10
169	Characterization of fly ash geopolymer concrete with glass bubble for thermal insulation application. AIP Conference Proceedings, 2018, , .	0.4	10
170	Influence of Foaming Agent/Water Ratio and Foam/Geopolymer Paste Ratio to the Properties of Fly Ash-based Lightweight Geopolymer for Brick Application. Revista De Chimie (discontinued), 2017, 68, 1978-1982.	0.4	10
171	Compressive Strength and Thermal Conductivity of Fly Ash Geopolymer Concrete Incorporated with Lightweight Aggregate, Expanded Clay Aggregate and Foaming Agent. Revista De Chimie (discontinued), 2019, 70, 4021-4028.	0.4	10
172	Improvements of Flexural Properties and Thermal Performance in Thin Geopolymer Based on Fly Ash and Ladle Furnace Slag Using Borax Decahydrates. Materials, 2022, 15, 4178.	2.9	10
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