

Mohd Mustafa Al Bakri Abdullah

List of Publications by Year in descending order

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518
papers

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109321

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519
docs citations

519
times ranked

4069
citing authors

#	ARTICLE	IF	CITATIONS
1	Heat evolution of alkali-activated materials: A review on influence factors. <i>Construction and Building Materials</i> , 2022, 314, 125651.	7.2	26
2	Strength and durability properties of geopolymer paver blocks made with fly ash and brick kiln rice husk ash. <i>Case Studies in Construction Materials</i> , 2022, 16, e00800.	1.7	17
3	Synthesis of Kaolin Geopolymer as Ceramic Reinforcement in Lead-Free Solder. <i>Journal of Physics: Conference Series</i> , 2022, 2169, 012019.	0.4	0
4	Potential Applications of Geopolymer Cement-Based Composite as Self-Cleaning Coating: A Review. <i>Coatings</i> , 2022, 12, 133.	2.6	16
5	Potential of Soil Stabilization Using Ground Granulated Blast Furnace Slag (GGBFS) and Fly Ash via Geopolymerization Method: A Review. <i>Materials</i> , 2022, 15, 375.	2.9	46
6	Formation and Growth of Intermetallic Compounds in Lead-Free Solder Joints: A Review. <i>Materials</i> , 2022, 15, 1451.	2.9	9
7	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
8	Recent Developments in Steelmaking Industry and Potential Alkali Activated Based Steel Waste: A Comprehensive Review. <i>Materials</i> , 2022, 15, 1948.	2.9	14
9	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
10	Thermo-mechanical behaviour of fly ash-ladle furnace slag blended geopolymer with incorporation of decahydrate borax. <i>Construction and Building Materials</i> , 2022, 331, 127337.	7.2	6
11	Comparison of thermal performance between fly ash geopolymer and fly ash-ladle furnace slag geopolymer. <i>Journal of Non-Crystalline Solids</i> , 2022, 585, 121527.	3.1	14
12	Waste Material via Geopolymerization for Heavy-Duty Application: A Review. <i>Materials</i> , 2022, 15, 3205.	2.9	11
13	Mechanical and Durability Analysis of Fly Ash Based Geopolymer with Various Compositions for Rigid Pavement Applications. <i>Materials</i> , 2022, 15, 3458.	2.9	21
14	Artificial Lightweight Aggregates Made from Pozzolan Material: A Review on the Method, Physical and Mechanical Properties, Thermal and Microstructure. <i>Materials</i> , 2022, 15, 3929.	2.9	11
15	Preparation of Fly Ash-Ladle Furnace Slag Blended Geopolymer Foam via Pre-Foaming Method with Polyoxyethylene Alkyether Sulphate Incorporation. <i>Materials</i> , 2022, 15, 4085.	2.9	3
16	Improvements of Flexural Properties and Thermal Performance in Thin Geopolymer Based on Fly Ash and Ladle Furnace Slag Using Borax Decahydrates. <i>Materials</i> , 2022, 15, 4178.	2.9	10
17	POTENTIAL OF GEOPOLYMER COATING FOR LIGHTWEIGHT AGGREGATE VIA MILLING AND DIPPING METHOD: A REVIEW. <i>European Journal of Materials Science and Engineering</i> , 2022, 7, 94-105.	0.1	2
18	Potential of industrial By-Products based geopolymer for rigid concrete pavement application. <i>Construction and Building Materials</i> , 2022, 344, 128190.	7.2	20

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19	Optimization of the use of mother liquor in the synthesis of HKUST-1 and their performance for removal of chromium (VI) in aqueous solutions. <i>Journal of Water Process Engineering</i> , 2021, 39, 101670.	5.6	18
20	Effect of phosphate addition on room-temperature-cured fly ash-metakaolin blend geopolymers. <i>Construction and Building Materials</i> , 2021, 270, 121486.	7.2	22
21	Geopolymerization of class C fly ash: Reaction kinetics, microstructure properties and compressive strength of early age. <i>Journal of Non-Crystalline Solids</i> , 2021, 553, 120519.	3.1	17
22	Properties of polyaniline/graphene oxide (PANI/GO) composites: effect of GO loading. <i>Polymer Bulletin</i> , 2021, 78, 4835-4847.	3.3	15
23	The influence of density, compressive strength and thermal conductivity under variety percentage of glass bubble in geopolymer concrete. <i>AIP Conference Proceedings</i> , 2021, , .	0.4	1
24	Development of Fly Ash Concrete Using Glass Bubble for Thermal Insulation Building Application. <i>Lecture Notes in Civil Engineering</i> , 2021, , 73-96.	0.4	0
25	Performance of fly ash based geopolymer concrete in seawater exposure. <i>AIP Conference Proceedings</i> , 2021, , .	0.4	3
26	Development of Ash-Based and Slag-Based Pressed Geopolymer. <i>Lecture Notes in Civil Engineering</i> , 2021, , 51-72.	0.4	2
27	Microstructure Evolution of Ag/TiO ₂ Thin Film. <i>Magnetochemistry</i> , 2021, 7, 14.	2.4	2
28	Evaluation of the Effect of Silica Fume on Amorphous Fly Ash Geopolymers Exposed to Elevated Temperature. <i>Magnetochemistry</i> , 2021, 7, 9.	2.4	18
29	Performance of Sintered Pozzolanic Artificial Aggregates as Coarse Aggregate Replacement in Concrete. <i>Lecture Notes in Civil Engineering</i> , 2021, , 191-210.	0.4	1
30	The Effect of Thermal Annealing on the Microstructure and Mechanical Properties of Sn-0.7Cu-xZn Solder Joint. <i>Metals</i> , 2021, 11, 380.	2.3	0
31	Optimizing of the Cementitious Composite Matrix by Addition of Steel Wool Fibers (Chopped) Based on Physical and Mechanical Analysis. <i>Materials</i> , 2021, 14, 1094.	2.9	8
32	Phase Transformation of Kaolin-Ground Granulated Blast Furnace Slag from Geopolymerization to Sintering Process. <i>Magnetochemistry</i> , 2021, 7, 32.	2.4	7
33	Performance of Sn-3.0Ag-0.5Cu Composite Solder with Kaolin Geopolymer Ceramic Reinforcement on Microstructure and Mechanical Properties under Isothermal Ageing. <i>Materials</i> , 2021, 14, 776.	2.9	8
34	The Effects of Various Concentrations of NaOH on the Inter-Particle Gelation of a Fly Ash Geopolymer Aggregate. <i>Materials</i> , 2021, 14, 1111.	2.9	31
35	Role of Sintering Temperature in Production of Nepheline Ceramics-Based Geopolymer with Addition of Ultra-High Molecular Weight Polyethylene. <i>Materials</i> , 2021, 14, 1077.	2.9	7
36	Effect of Aluminium Powder on Kaolin-Based Geopolymer Characteristic and Removal of Cu ²⁺ . <i>Materials</i> , 2021, 14, 814.	2.9	19

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37	Hybrid Mold: Comparative Study of Rapid and Hard Tooling for Injection Molding Application Using Metal Epoxy Composite (MEC). <i>Materials</i> , 2021, 14, 665.	2.9	8
38	Properties of a New Insulation Material Glass Bubble in Geopolymer Concrete. <i>Materials</i> , 2021, 14, 809.	2.9	23
39	Comparison of Hook and Straight Steel Fibers Addition on Malaysian Fly Ash-Based Geopolymer Concrete on the Slump, Density, Water Absorption and Mechanical Properties. <i>Materials</i> , 2021, 14, 1310.	2.9	24
40	Self-Fluxing Mechanism in Geopolymerization for Low-Sintering Temperature of Ceramic. <i>Materials</i> , 2021, 14, 1325.	2.9	11
41	Warpage Optimisation Using Recycled Polycarbonate (PC) on Front Panel Housing. <i>Materials</i> , 2021, 14, 1416.	2.9	1
42	Recent developments in fire retardant glass fibre reinforced epoxy composite and geopolymer as a potential fire-retardant material: A review. <i>Construction and Building Materials</i> , 2021, 277, 122246.	7.2	30
43	Warpage 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. <i>Materials</i> , 2021, 14, 1326.	2.9	14
44	Image Analysis of Surface Porosity Mortar Containing Processed Spent Bleaching Earth. <i>Materials</i> , 2021, 14, 1658.	2.9	6
45	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
46	Nonisothermal Kinetic Degradation of Hybrid CNT/Alumina Epoxy Nanocomposites. <i>Metals</i> , 2021, 11, 657.	2.3	4
47	Influence of Sintering Temperature of Kaolin, Slag, and Fly Ash Geopolymers on the Microstructure, Phase Analysis, and Electrical Conductivity. <i>Materials</i> , 2021, 14, 2213.	2.9	7
48	Meta-analysis of studies on eggshell concrete using mixed regression and response surface methodology. <i>Journal of King Saud University, Engineering Sciences</i> , 2021, , .	2.0	8
49	Design of Experiment on Concrete Mechanical Properties Prediction: A Critical Review. <i>Materials</i> , 2021, 14, 1866.	2.9	35
50	Elevated-Temperature Performance, Combustibility and Fire Propagation Index of Fly Ash-Metakaolin Blend Geopolymers with Addition of Monoaluminium Phosphate (MAP) and Aluminum Dihydrogen Triphosphate (ATP). <i>Materials</i> , 2021, 14, 1973.	2.9	6
51	Optimisation of Shrinkage and Strength on Thick Plate Part Using Recycled LDPE Materials. <i>Materials</i> , 2021, 14, 1795.	2.9	8
52	The Influence of MMA Esterification on Interfacial Adhesion and Mechanical Properties of Hybrid Kenaf Bast/Glass Fiber Reinforced Unsaturated Polyester Composites. <i>Materials</i> , 2021, 14, 2276.	2.9	2
53	Formulation, mechanical properties and phase analysis of fly ash geopolymer with ladle furnace slag replacement. <i>Journal of Materials Research and Technology</i> , 2021, 12, 1212-1226.	5.8	35
54	Evaluation on the Mechanical Properties of Ground Granulated Blast Slag (GGBS) and Fly Ash Stabilized Soil via Geopolymer Process. <i>Materials</i> , 2021, 14, 2833.	2.9	34

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55	Relation between Density and Compressive Strength of Foamed Concrete. <i>Materials</i> , 2021, 14, 2967.	2.9	47
56	Assessment of the Suitability of Ceramic Waste in Geopolymer Composites: An Appraisal. <i>Materials</i> , 2021, 14, 3279.	2.9	32
57	Scientific Approach of Geopolymer Concrete Composites using Marginal Materials. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 822, 012039.	0.3	1
58	Geopolymer as underwater concreting material: A review. <i>Construction and Building Materials</i> , 2021, 291, 123276.	7.2	37
59	The Effect of Polyethylene Glycol Addition on Wettability and Optical Properties of GO/TiO ₂ Thin Film. <i>Materials</i> , 2021, 14, 4564.	2.9	2
60	Evaluation on the rheological and mechanical properties of concrete incorporating eggshell with tire powder. <i>Journal of Materials Research and Technology</i> , 2021, 14, 439-451.	5.8	19
61	Effect of anisotropic pores on the material properties of metakaolin geopolymer composites incorporated with corrugated fiberboard and rubber. <i>Journal of Materials Research and Technology</i> , 2021, 14, 822-834.	5.8	5
62	Evaluation of flexural properties and characterisation of 10-mm thin geopolymer based on fly ash and ladle furnace slag. <i>Journal of Materials Research and Technology</i> , 2021, 15, 163-176.	5.8	25
63	Technological Properties of Fly Ash-Based Lightweight Geopolymer Brick. <i>Lecture Notes in Civil Engineering</i> , 2021, , 25-50.	0.4	0
64	Fabrication of Lightweight Ceramic Materials Using Geopolymer Technology. <i>Lecture Notes in Civil Engineering</i> , 2021, , 167-189.	0.4	1
65	Geopolymer coating paste on concrete for photocatalytic performance. <i>AIP Conference Proceedings</i> , 2021, , .	0.4	5
66	Characterisation at the Bonding Zone between Fly Ash Based Geopolymer Repair Materials (GRM) and Ordinary Portland Cement Concrete (OPCC). <i>Materials</i> , 2021, 14, 56.	2.9	26
67	Mitigation of environmental problems using brick kiln rice husk ash in geopolymer composites for sustainable development. <i>Current Research in Green and Sustainable Chemistry</i> , 2021, 4, 100193.	5.6	3
68	Comparative mechanical and microstructural properties of high calcium fly ash one-part geopolymers activated with Na ₂ SiO ₃ -anhydrous and NaAlO ₂ . <i>Journal of Materials Research and Technology</i> , 2021, 15, 3850-3866.	5.8	26
69	Microstructure and X-Ray Diffraction Analysis of Aluminum-Fly Ash Composites Produced by Compocasting Method. <i>Journal of Testing and Evaluation</i> , 2021, 49, 1053-1063.	0.7	0
70	Mechanical characteristics of bamboo reinforced concrete precast column, a numerical analysis. <i>AIP Conference Proceedings</i> , 2021, , .	0.4	1
71	Behavior of Alkali-Activated Fly Ash through Underwater Placement. <i>Materials</i> , 2021, 14, 6865.	2.9	4
72	A State-of-the-Art Review on Innovative Geopolymer Composites Designed for Water and Wastewater Treatment. <i>Materials</i> , 2021, 14, 7456.	2.9	42

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73	Behaviour changes of ground granulated blast furnace slag geopolymers at high temperature. <i>Advances in Cement Research</i> , 2020, 32, 465-475.	1.6	40
74	The Effect of Ni and Bi Additions on the Solderability of Sn-0.7Cu Solder Coatings. <i>Journal of Electronic Materials</i> , 2020, 49, 1-12.	2.2	23
75	Catechin adsorption on magnetic hydroxyapatite nanoparticles: A synergistic interaction with calcium ions. <i>Materials Chemistry and Physics</i> , 2020, 241, 122337.	4.0	14
76	Influence of ZnO Nanoparticles on Mechanical Properties and Photocatalytic Activity of Self-cleaning ZnO-Based Geopolymer Paste. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 2007-2016.	3.7	35
77	Geopolymer Ceramic as Piezoelectric Materials: A Review. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 864, 012044.	0.6	0
78	Correlation of Thermal Conductivity Versus Bulk Density, Porosity and Compressive Strength of Metakaolin Geopolymer. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 864, 012009.	0.6	4
79	Corrosion Control by Using Aluminium as Sacrificial Anode Cathodic Protection (SACP) in Geopolymer Reinforced Concrete. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 864, 012039.	0.6	2
80	The Effect of Sodium Carbonate on the Fresh and Hardened Properties of Fly Ash-Based One-Part Geopolymer. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 864, 012197.	0.6	4
81	Seawater Exposure Effect on Fly Ash based Geopolymer Concrete with Inclusion of Steel Fiber. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 743, 012013.	0.6	7
82	Influences of SiO ₂ , Al ₂ O ₃ , CaO and MgO in phase transformation of sintered kaolin-ground granulated blast furnace slag geopolymer. <i>Journal of Materials Research and Technology</i> , 2020, 9, 14922-14932.	5.8	40
83	Microstructure and porosity evolution of alkali activated slag at various heating temperatures. <i>Journal of Materials Research and Technology</i> , 2020, 9, 15894-15907.	5.8	22
84	Mechanical and physical properties of bottom ash/fly ash geopolymer for pavement brick application. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 743, 012029.	0.6	1
85	Thermal Exposure of Fly Ash-Metakaolin Blend Geopolymer with Addition of Monoaluminum Phosphate (MAP). <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 864, 012011.	0.6	1
86	Low Density, High Compressive Strength: Experimental Investigation with Various Particle Sizes of Sand for Different Mix Designs of Cement Mortar Manufacturing. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 864, 012010.	0.6	0
87	Characterization of Fly ash and Ground Granulated Blast Slag for Soil Stabilization Application Using Geopolymerization Method. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 864, 012013.	0.6	6
88	The Effect of Seawater on The Strength, Microstructure and Elemental Distribution of Fly Ash/ Kaolin Based Underwater Geopolymer. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 864, 012014.	0.6	4
89	A Review of Geopolymer Based Metakaolin Membrane as an Effective Adsorbent for Waste Water Treatment.. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 864, 012128.	0.6	5
90	The Incorporation of Sodium Hydroxide (NaOH) Concentration and CaO-Si Components on Ground Granulated Blast Furnace Slag Geopolymers.. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 864, 012005.	0.6	7

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91	Photocatalytic Behaviour of TiO ₂ -geopolymer Paste under Sunlight. IOP Conference Series: Materials Science and Engineering, 2020, 957, 012006.	0.6	4
92	Impact of Thermal Ageing and Multiple Reflow on Lead Free Composite Solder : A Short Review. IOP Conference Series: Materials Science and Engineering, 2020, 957, 012063.	0.6	0
93	Heat Evolution of Class C Fly Ash Geopolymers with Different Molarity of Sodium Hydroxide: Nucleation Growth and Morphology Properties towards Early Strength Evaluation. IOP Conference Series: Materials Science and Engineering, 2020, 864, 012008.	0.6	4
94	The Influence of Sodium Hydroxide Concentration on Physical Properties and Strength Development of High Calcium Fly Ash Based Geopolymer as Pavement Base Materials. IOP Conference Series: Materials Science and Engineering, 2020, 864, 012016.	0.6	3
95	Aggregate impact value (AIV) of fly ash geopolymer artificial aggregate at different sodium hydroxide (NaOH) concentration. AIP Conference Proceedings, 2020, , .	0.4	2
96	In Vitro Bioactivity Study of Thermoplastic Starch/Bentonite/Hydroxyapatite Composites for Biomedical Applications. IOP Conference Series: Materials Science and Engineering, 2020, 743, 012002.	0.6	1
97	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
98	Effect of Solid-to-Liquid Ratio on Thin Fly Ash Geopolymer. IOP Conference Series: Materials Science and Engineering, 2020, 743, 012006.	0.6	4
99	Development of Geopolymer Ceramic as a Potential Reinforcing Material in Solder Alloy: Short review. IOP Conference Series: Materials Science and Engineering, 2020, 743, 012023.	0.6	2
100	Correlation between pore structure, compressive strength and thermal conductivity of porous metakaolin geopolymer. Construction and Building Materials, 2020, 247, 118641.	7.2	119
101	Strength Development and Elemental Distribution of Dolomite/Fly Ash Geopolymer Composite under Elevated Temperature. Materials, 2020, 13, 1015.	2.9	42
102	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
103	Paraffin as a Phase Change Material in Concrete for Enhancing Thermal Energy Storage. IOP Conference Series: Materials Science and Engineering, 2020, 743, 012012.	0.6	8
104	Strength development of solely ground granulated blast furnace slag geopolymers. Construction and Building Materials, 2020, 250, 118720.	7.2	82
105	Synthesis and Characterization of Fly ash based Geopolymer Ceramics: Effect of NaOH Concentration. IOP Conference Series: Materials Science and Engineering, 2020, 743, 012014.	0.6	2
106	Compressive strength and thermal conductivity of metakaolin geopolymers with anisotropic insulations. IOP Conference Series: Materials Science and Engineering, 2020, 743, 012005.	0.6	0
107	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
108	Practical applications of nano-SiO ₂ obtained by different synthesis routs in construction materials domain. AIP Conference Proceedings, 2020, , .	0.4	0

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109	Effect of geopolymer paste on compressive strength, water absorption and porosity. AIP Conference Proceedings, 2020, , .	0.4	1
110	Fly ash-metakaolin blend geopolymers under thermal exposures: Physical and mechanical performances. AIP Conference Proceedings, 2020, , .	0.4	0
111	Unconfined compressive strength of various types of pavement base material: A review. AIP Conference Proceedings, 2020, , .	0.4	0
112	Bonding and Phases Analysis of Geopolymer Materials. IOP Conference Series: Materials Science and Engineering, 2020, 957, 012052.	0.6	2
113	Exploration on fly ash waste as global construction materials for dynamics marketability. AIP Conference Proceedings, 2019, , .	0.4	0
114	Self-cleaning property of graphene oxide/TiO ₂ thin film. AIP Conference Proceedings, 2019, , .	0.4	7
115	A short review on the effect of rubber crump in fly ash geopolymer machining (milling operation). AIP Conference Proceedings, 2019, , .	0.4	0
116	Tool wear evaluation on rubberized fly ash geopolymer milling. AIP Conference Proceedings, 2019, , .	0.4	1
117	Element distribution in slag geopolymer using synchrotron based micro-x-ray fluorescence (µ-XRF). AIP Conference Proceedings, 2019, , .	0.4	5
118	Optimization of fly ash based geopolymer mix design for rigid pavement application. AIP Conference Proceedings, 2019, , .	0.4	8
119	A review on durability performance of reinforcement bar in geopolymer paste compare with its performance in ordinary Portland cement paste. AIP Conference Proceedings, 2019, , .	0.4	2
120	Surface integrity of rubberized geopolymer fly ash geopolymer in milling machining. AIP Conference Proceedings, 2019, , .	0.4	1
121	A short review on fly ash geopolymer machining: A large gap with bright potential for engineering applications. AIP Conference Proceedings, 2019, , .	0.4	1
122	A review on tool wear optimization of rubberized fly ash geopolymer material. AIP Conference Proceedings, 2019, , .	0.4	0
123	Dynamic Behaviors of Fly Ash-Granulated Blast-Furnace Slag-High-Magnesium Nickel Slag-Based Geopolymer Paste When Subjected to Impact Compressive Loadings. Advanced Engineering Materials, 2019, 21, 1900621.	3.5	1
124	Effect of heat evolved during geopolymerization to the compressive strength of class C fly ash based geopolymers. AIP Conference Proceedings, 2019, , .	0.4	1
125	A review on steel fiber reinforced geopolymer fly ash in milling operations. AIP Conference Proceedings, 2019, , .	0.4	0
126	Surface roughness optimization on rubberized fly ash geopolymer in lathe operation using Taguchi method. AIP Conference Proceedings, 2019, , .	0.4	1

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127	Parameter optimization on rubberized fly ash geopolymer in milling process in minimizing tool wear. AIP Conference Proceedings, 2019, , .	0.4	0
128	Surface roughness optimization on steel fiber reinforced geopolymer fly ash by CNC milling operation. AIP Conference Proceedings, 2019, , .	0.4	0
129	Rubberized fly ash geopolymer: Optimizing parameter towards minimizing tool wear in lathe operation. AIP Conference Proceedings, 2019, , .	0.4	0
130	Mechanical properties and microstructure analysis of FA-GGBS-HMNS based geopolymer concrete. Construction and Building Materials, 2019, 210, 198-209.	7.2	127
131	Influence of Solid-To-Liquid Ratio on Properties of Fly Ash Geopolymer Ceramics. IOP Conference Series: Materials Science and Engineering, 2019, 551, 012083.	0.6	0
132	Microstructural Analysis of Fly Ash-based Geopolymers with various Alkali Concentration. IOP Conference Series: Materials Science and Engineering, 2019, 551, 012090.	0.6	0
133	Mesoporous Structure of Doped and Undoped PEG on Ag/TiO ₂ Thin Film. IOP Conference Series: Materials Science and Engineering, 2019, 551, 012098.	0.6	3
134	Porous Metakaolin Geopolymers with Tailored Thermal Conductivity. IOP Conference Series: Materials Science and Engineering, 2019, 551, 012088.	0.6	3
135	Fabrication of Novel Geopolymer Reinforced Tin Copper Solder in Suppressing Intermetallic Layer Growth. IOP Conference Series: Materials Science and Engineering, 2019, 551, 012091.	0.6	2
136	Mechanical Properties and Thermal Conductivity of Lightweight Foamed Geopolymer Concretes. IOP Conference Series: Materials Science and Engineering, 2019, 551, 012089.	0.6	7
137	Characterization of geopolymer ceramic reinforced Sn-0.7Cu composite solder: Effect of milling time and speed.. IOP Conference Series: Materials Science and Engineering, 2019, 701, 012016.	0.6	2
138	The effect of chloride ion diffusion on corrosion activity of kaolin geopolymer paste in artificial seawater. IOP Conference Series: Materials Science and Engineering, 2019, 701, 012002.	0.6	0
139	Effect of different ratio of geopolymer paste based fly ash-metakaolin on compressive strength and water absorption. IOP Conference Series: Materials Science and Engineering, 2019, 701, 012010.	0.6	1
140	Characterization of Fly Ash and Metakaolin Blend Geopolymers under Ambient Temperature Condition. IOP Conference Series: Materials Science and Engineering, 2019, 551, 012086.	0.6	1
141	Microstructural studies of doped PEG Ag/TiO ₂ thin film. IOP Conference Series: Materials Science and Engineering, 2019, 701, 012004.	0.6	1
142	Influence of kaolin geopolymer ceramic additions to the wettability and electrical properties of Sn-3.0Ag-0.5Cu (SAC305) lead free solder. IOP Conference Series: Materials Science and Engineering, 2019, 701, 012033.	0.6	5
143	The Effect of Geopolymer Ceramic Additions to The Wettability and Shear strength of Sn-Ag-Cu (SAC) Solder: A Preliminary Study. IOP Conference Series: Materials Science and Engineering, 2019, 551, 012081.	0.6	6
144	Pull-Out Strength of Hooked Steel Fiber Reinforced Geopolymer Concrete. IOP Conference Series: Materials Science and Engineering, 2019, 551, 012080.	0.6	8

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145	Investigation of Heat Released during Geopolymerization with Fly Ash based Geopolymer. IOP Conference Series: Materials Science and Engineering, 2019, 551, 012093.	0.6	17
146	Effect of graphene oxide on microstructure and optical properties of TiO ₂ thin film. IOP Conference Series: Materials Science and Engineering, 2019, 701, 012011.	0.6	4
147	Microstructure and Wettability of Graphene Oxide/TiO ₂ Thin Film Prepared via Sol-gel Method. IOP Conference Series: Materials Science and Engineering, 2019, 551, 012099.	0.6	3
148	Performance of Geopolymer Concrete when Exposed to Marine Environment. IOP Conference Series: Materials Science and Engineering, 2019, 551, 012092.	0.6	3
149	The Effect of Different Crumb Rubber Loading on the Properties of Fly Ash-Based Geopolymer Concrete. IOP Conference Series: Materials Science and Engineering, 2019, 551, 012079.	0.6	6
150	Synthesis and characterization of TiO ₂ doped SnO ₂ thin film prepared by sol-gel method. IOP Conference Series: Materials Science and Engineering, 2019, 701, 012003.	0.6	1
151	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
152	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
153	Thermal Insulation Properties of Insulated Concrete. Revista De Chimie (discontinued), 2019, 70, 3027-3031.	0.4	12
154	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	1
155	132kV Oil Impregnated Paper Bushing Transformer - Design by CAD, Analysed by FEM. Universal Journal of Electrical and Electronic Engineering, 2019, 6, 86-93.	0.3	1
156	Roles of Calcium in Geopolymer Containing Paper Mill Sludge Ash. Materials Science Forum, 2018, 917, 311-315.	0.3	2
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467	Review of Soil Stabilization Techniques: Geopolymerization Method one of the New Technique. Key Engineering Materials, 0, 660, 298-304.	0.4	15
468	Synthesis of Alum from Discarded Aluminium Beverage Cans. Key Engineering Materials, 0, 660, 284-288.	0.4	1

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470	Effect of Recycled Nitrile Glove (rNBRg) Particle Sizes on Curing Characteristics and Physical Properties of Natural Rubber/Styrene Butadiene Rubber/Recycled Nitrile Glove (NR/SBR/rNBRg) Blends. Applied Mechanics and Materials, 0, 815, 54-58.	0.2	3
471	Correlation between $\text{Na}^+2\text{SiO}_3/\text{NaOH}$ and NaOH Molarity to Flexural Strength of Geopolymer Ceramic. Applied Mechanics and Materials, 0, 754-755, 152-156.	0.2	4
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484	Characterization of Alum Crystals Synthesized from Waste Aluminium Beverage Cans. Materials Science Forum, 0, 857, 514-518.	0.3	0
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488	Review on Different Types of Geopolymer Concrete Fibres. Materials Science Forum, 0, 857, 388-394.	0.3	2
489	Properties of Natural Rubber/Styrene Butadiene Rubber/Recycled Nitrile Glove (NR/SBR/rNBRg) Blends: The Effects of Recycled Nitrile Glove (rNBRg) Particle Sizes. Key Engineering Materials, 0, 673, 151-160.	0.4	6
490	The Analysis of Metallic Materials Subjected to Cycles of Thermal and Mechanical Fatigue. Key Engineering Materials, 0, 700, 78-85.	0.4	0
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496	The Usage of Glass Waste as Cement Replacement. Key Engineering Materials, 0, 673, 95-104.	0.4	6
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498	Fabrication Method of Aluminum Matrix Composite (AMCs): A Review. Key Engineering Materials, 0, 700, 102-110.	0.4	22
499	A Review on Fly Ash Based Geopolymer Rubberized Concrete. Key Engineering Materials, 0, 700, 183-196.	0.4	14
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