Ym Liew

List of Publications by Year
in descending order

61 papers	2,011 citations	471509 17 h-index	254184 43 g-index
61 all docs	61 docs citations	61 times ranked	1380 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	Processing and characterization of calcined kaolin cement powder. Construction and Building Materials, 2012, 30, 794-802.	7.2	146
4	Effect of Curing Profile on Kaolin-based Geopolymers. Physics Procedia, 2011, 22, 305-311.	1.2	141
5	Correlation between pore structure, compressive strength and thermal conductivity of porous metakaolin geopolymer. Construction and Building Materials, 2020, 247, 118641.	7.2	119
6	Formation of one-part-mixing geopolymers and geopolymer ceramics from geopolymer powder. Construction and Building Materials, 2017, 156, 9-18.	7.2	109
7	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
8	Thermal Resistance Variations of Fly Ash Geopolymers: Foaming Responses. Scientific Reports, 2017, 7, 45355.	3.3	103
9	Kaolin-based geopolymers with various NaOH concentrations. International Journal of Minerals, Metallurgy and Materials, 2013, 20, 313-322.	4.9	84
10	Influence of Solids-to-liquid and Activator Ratios on Calcined Kaolin Cement Powder. Physics Procedia, 2011, 22, 312-317.	1.2	45
11	Behaviour changes of ground granulated blast furnace slag geopolymers at high temperature. Advances in Cement Research, 2020, 32, 465-475.	1.6	40
12	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
13	Clay-Based Materials in Geopolymer Technology. , 0, , .		30
14	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
15	Manufacturing of Fire Resistance Geopolymer: A Review. MATEC Web of Conferences, 2016, 78, 01023.	0.2	23
16	Effect of phosphate addition on room-temperature-cured fly ash-metakaolin blend geopolymers. Construction and Building Materials, 2021, 270, 121486.	7.2	22
17	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
18	Evaluation of the Effect of Silica Fume on Amorphous Fly Ash Geopolymers Exposed to Elevated Temperature. Magnetochemistry, 2021, 7, 9.	2.4	18

#	Article	IF	Citations
19	Thin fly ash/ ladle furnace slag geopolymer: Effect of elevated temperature exposure on flexural properties and morphological characteristics. Ceramics International, 2022, 48, 16562-16575.	4.8	16
20	Properties of polyaniline/graphene oxide (PANI/GO) composites: effect of GO loading. Polymer Bulletin, 2021, 78, 4835-4847.	3.3	15
21	Cold-pressed fly ash geopolymers: effect of formulation on mechanical and morphological characteristics. Journal of Materials Research and Technology, 2021, 15, 3028-3046.	5.8	15
22	Review of Geopolymer Materials for Thermal Insulating Applications. Key Engineering Materials, 2015, 660, 17-22.	0.4	14
23	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
24	Recent Developments in Steelmaking Industry and Potential Alkali Activated Based Steel Waste: A Comprehensive Review. Materials, 2022, 15, 1948.	2.9	14
25	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
26	Strength and Microstructural Properties of Mechanically-Activated Kaolin Geopolymers. Advanced Materials Research, 2012, 626, 926-930.	0.3	13
27	Curing Behavior on Kaolin-Based Geopolymers. Advanced Materials Research, 0, 548, 42-47.	0.3	12
28	Effect of Alkali Concentration on Fly Ash Geopolymers. IOP Conference Series: Materials Science and Engineering, 2018, 343, 012013.	0.6	12
29	Microbial fuel cell for simultaneous caffeine removal and bioelectricity generation under various operational conditions in the anodic and cathodic chambers. Environmental Technology and Innovation, 2022, 25, 102158.	6.1	11
30	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
31	Effect of solid-to-liquid ratios on metakaolin geopolymers. AIP Conference Proceedings, 2018, , .	0.4	9
32	Primary insights into the effects of organic pollutants and carbon-based cathode materials in a double chambered microbial fuel cell integrated electrocatalytic process. Journal of Water Process Engineering, 2021, 44, 102358.	5.6	9
33	Optimizing of the Cementitious Composite Matrix by Addition of Steel Wool Fibers (Chopped) Based on Physical and Mechanical Analysis. Materials, 2021, 14, 1094.	2.9	8
34	Mechanism of Cement Paste with Different Particle Sizes of Bottom Ash as Partial Replacement in Portland Cement. Revista De Chimie (discontinued), 2017, 68, 2367-2372.	0.4	7
35	Effect of Curing Regimes on Metakaolin Geopolymer Pastes Produced from Geopolymer Powder. Advanced Materials Research, 0, 626, 931-936.	0.3	6
36	Durability of metakaolin geopolymers with various sodium silicate/sodium hydroxide ratios against seawater exposure. AIP Conference Proceedings, 2017, , .	0.4	6

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37	The effect of various molarities of NaOH solution on fly ash geopolymer paste. AIP Conference Proceedings, 2018, , .	0.4	6
38	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). Materials, 2021, 14, 1973.	2.9	6
39	Thermo-mechanical behaviour of fly ash-ladle furnace slag blended geopolymer with incorporation of decahydrate borax. Construction and Building Materials, 2022, 331, 127337.	7.2	6
40	Influence of Sputtering Temperature of TiO2 Deposited onto Reduced Graphene Oxide Nanosheet as Efficient Photoanodes in Dye-Sensitized Solar Cells. Molecules, 2020, 25, 4852.	3.8	5
41	Effect of anisotropic pores on the material properties of metakaolin geopolymer composites incorporated with corrugated fiberboard and rubber. Journal of Materials Research and Technology, 2021, 14, 822-834.	5.8	5
42	Effect of Mechanical Activation on Kaolin-Based Geopolymers. Advanced Materials Research, 0, 479-481, 357-361.	0.3	4
43	Thermophysical Properties of Metakaolin Geopolymers Based on Na₂SiO₃/NaOH Ratio. Solid State Phenomena, 2018, 280, 487-493.	0.3	4
44	The Effect of Sodium Carbonate on the Fresh and Hardened Properties of Fly Ash-Based One-Part Geopolymer. IOP Conference Series: Materials Science and Engineering, 2020, 864, 012197.	0.6	4
45	The Effect of Different Ratio Bottom Ash and Fly Ash Geopolymer Brick on Mechanical Properties for Non-loading Application. MATEC Web of Conferences, 2017, 97, 01017.	0.2	3
46	Density and morphology studies on bottom ash and fly ash geopolymer brick. AIP Conference Proceedings, 2017, , .	0.4	3
47	The synergetic compressive strength and microstructure of fly ash and metakaolin blend geopolymer pastes. AIP Conference Proceedings, 2018, , .	0.4	3
48	Preparation of Fly Ash-Ladle Furnace Slag Blended Geopolymer Foam via Pre-Foaming Method with Polyoxyethylene Alkyether Sulphate Incorporation. Materials, 2022, 15, 4085.	2.9	3
49	Influence of Solidification Process on Calcined Kaolin Geopolymeric Powder. Advanced Materials Research, 0, 479-481, 286-291.	0.3	2
50	Development of Ash-Based and Slag-Based Pressed Geopolymer. Lecture Notes in Civil Engineering, 2021, , 51-72.	0.4	2
51	Influence of Oxide Molar Ratios on Kaolin Geopolymers. Advanced Science Letters, 2013, 19, 3588-3591.	0.2	2
52	Calcined Kaolin Geopolymeric Powder: Influence of Water-to-Geopolymeric Powder Ratio. Advanced Materials Research, 2012, 548, 48-53.	0.3	1
53	Flood Mud as Geopolymer Precursor Materials: Effect of Curing Regime on Compressive Strength. Applied Mechanics and Materials, 2015, 815, 177-181.	0.2	1
54	Compressive strength and microstructure of fly ash and metakaolin geopolymer blend towards NaOH concentration. AIP Conference Proceedings, 2018, , .	0.4	1

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55	Effect of molarity of sodium hydroxide on fly ash geopolymer tiles. AIP Conference Proceedings, 2018, , .	0.4	1
56	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
57	General Properties of Kaolin Geopolymers. Advanced Science Letters, 2013, 19, 153-156.	0.2	1
58	Correlating Composition Design and Properties of Calcined Kaolin Geopolymeric Powder. Advanced Science Letters, 2013, 19, 3671-3674.	0.2	1
59	Flood Mud as Geopolymer Precursor Materials: Effect of Flood Mud/Alkaline Activator and Na₂SiO₃/NaOH Ratios on Compressive Strength. Applied Mechanics and Materials, 0, 815, 170-176.	0.2	0
60	Compressive strength and microstructure of fly ash and metakaolin geopolymer blend towards NaOH concentration. AIP Conference Proceedings, 2018, , .	0.4	0
61	Properties of Metakaolin Geopolymeric Binder. Advanced Science Letters, 2013, 19, 157-161.	0.2	0