# 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 | 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 |
| 2 | 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 |
| 3 | Recent Developments in Steelmaking Industry and Potential Alkali Activated Based Steel Waste: A Comprehensive Review. Materials, 2022, 15, 1948. | 2.9 | 14 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | Effect of phosphate addition on room-temperature-cured fly ash-metakaolin blend geopolymers. Construction and Building Materials, 2021, 270, 121486. | 7.2 | 22 |
| 9 | Properties of polyaniline/graphene oxide (PANI/GO) composites: effect of GO loading. Polymer Bulletin, 2021, 78, 4835-4847. | 3.3 | 15 |
| 10 | Development of Ash-Based and Slag-Based Pressed Geopolymer. Lecture Notes in Civil Engineering, 2021, , 51-72. | 0.4 | 2 |
| 11 | Evaluation of the Effect of Silica Fume on Amorphous Fly Ash Geopolymers Exposed to Elevated Temperature. Magnetochemistry, 2021, 7, 9. | 2.4 | 18 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Behaviour changes of ground granulated blast furnace slag geopolymers at high temperature. Advances in Cement Research, 2020, 32, 465-475. | 1.6 | 40 |
| 20 | 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 |
| 21 | 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 |
| 22 | Correlation between pore structure, compressive strength and thermal conductivity of porous metakaolin geopolymer. Construction and Building Materials, 2020, 247, 118641. | 7.2 | 119 |
| 23 | 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 |
| 24 | 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 |
| 25 | 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 |
| 26 | The effect of various molarities of NaOH solution on fly ash geopolymer paste. AIP Conference Proceedings, 2018, , . | 0.4 | 6 |
| 27 | Compressive strength and microstructure of fly ash and metakaolin geopolymer blend towards NaOH concentration. AIP Conference Proceedings, 2018, , . | 0.4 | 0 |
| 28 | Effect of solid-to-liquid ratios on metakaolin geopolymers. AIP Conference Proceedings, 2018, , . | 0.4 | 9 |
| 29 | Compressive strength and microstructure of fly ash and metakaolin geopolymer blend towards NaOH concentration. AIP Conference Proceedings, 2018, , . | 0.4 | 1 |
| 30 | Effect of molarity of sodium hydroxide on fly ash geopolymer tiles. AIP Conference Proceedings, 2018, , . | 0.4 | 1 |
| 31 | The synergetic compressive strength and microstructure of fly ash and metakaolin blend geopolymer pastes. AIP Conference Proceedings, 2018, , . | 0.4 | 3 |
| 32 | Thermophysical Properties of Metakaolin Geopolymers Based on Na<sub>2</sub>SiO<sub>3</sub>/NaOH Ratio. Solid State Phenomena, 2018, 280, 487-493. | 0.3 | 4 |
| 33 | Effect of Alkali Concentration on Fly Ash Geopolymers. IOP Conference Series: Materials Science and Engineering, 2018, 343, 012013. | 0.6 | 12 |
| 34 | Thermal Resistance Variations of Fly Ash Geopolymers: Foaming Responses. Scientific Reports, 2017, 7, 45355. | 3.3 | 103 |
| 35 | 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 |
| 36 | Durability of metakaolin geopolymers with various sodium silicate/sodium hydroxide ratios against seawater exposure. AIP Conference Proceedings, 2017, , . | 0.4 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Density and morphology studies on bottom ash and fly ash geopolymer brick. AIP Conference Proceedings, 2017, , . | 0.4 | 3 |
| 38 | Formation of one-part-mixing geopolymers and geopolymer ceramics from geopolymer powder. Construction and Building Materials, 2017, 156, 9-18. | 7.2 | 109 |
| 39 | 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 |
| 40 | Manufacturing of Fire Resistance Geopolymer: A Review. MATEC Web of Conferences, 2016, 78, 01023. | 0.2 | 23 |
| 41 | Structure and properties of clay-based geopolymer cements: A review. Progress in Materials Science, 2016, 83, 595-629. | 32.8 | 371 |
| 42 | Review of Geopolymer Materials for Thermal Insulating Applications. Key Engineering Materials, 2015, 660, 17-22. | 0.4 | 14 |
| 43 | Flood Mud as Geopolymer Precursor Materials: Effect of Curing Regime on Compressive Strength. Applied Mechanics and Materials, 2015, 815, 177-181. | 0.2 | 1 |
| 44 | Kaolin-based geopolymers with various NaOH concentrations. International Journal of Minerals, Metallurgy and Materials, 2013, 20, 313-322. | 4.9 | 84 |
| 45 | Influence of Oxide Molar Ratios on Kaolin Geopolymers. Advanced Science Letters, 2013, 19, 3588-3591. | 0.2 | 2 |
| 46 | General Properties of Kaolin Geopolymers. Advanced Science Letters, 2013, 19, 153-156. | 0.2 | 1 |
| 47 | Properties of Metakaolin Geopolymeric Binder. Advanced Science Letters, 2013, 19, 157-161. | 0.2 | 0 |
| 48 | Correlating Composition Design and Properties of Calcined Kaolin Geopolymeric Powder. Advanced Science Letters, 2013, 19, 3671-3674. | 0.2 | 1 |
| 49 | Strength and Microstructural Properties of Mechanically-Activated Kaolin Geopolymers. Advanced Materials Research, 2012, 626, 926-930. | 0.3 | 13 |
| 50 | Calcined Kaolin Geopolymeric Powder: Influence of Water-to-Geopolymeric Powder Ratio. Advanced Materials Research, 2012, 548, 48-53. | 0.3 | 1 |
| 51 | Study on solids-to-liquid and alkaline activator ratios on kaolin-based geopolymers. Construction and Building Materials, 2012, 35, 912-922. | 7.2 | 303 |
| 52 | 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 |
| 53 | Processing and characterization of calcined kaolin cement powder. Construction and Building Materials, 2012, 30, 794-802. | 7.2 | 146 |
| 54 | Effect of Curing Profile on Kaolin-based Geopolymers. Physics Procedia, 2011, 22, 305-311. | 1.2 | 141 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Influence of Solids-to-liquid and Activator Ratios on Calcined Kaolin Cement Powder. Physics Procedia, 2011, 22, 312-317. | 1.2 | 45 |
| 56 | Curing Behavior on Kaolin-Based Geopolymers. Advanced Materials Research, 0, 548, 42-47. | 0.3 | 12 |
| 57 | Influence of Solidification Process on Calcined Kaolin Geopolymeric Powder. Advanced Materials Research, 0, 479-481, 286-291. | 0.3 | 2 |
| 58 | Effect of Mechanical Activation on Kaolin-Based Geopolymers. Advanced Materials Research, 0, 479-481, 357-361. | 0.3 | 4 |
| 59 | Effect of Curing Regimes on Metakaolin Geopolymer Pastes Produced from Geopolymer Powder. Advanced Materials Research, 0, 626, 931-936. | 0.3 | 6 |
| 60 | Flood Mud as Geopolymer Precursor Materials: Effect of Flood Mud/Alkaline Activator and Na<sub>2</sub>SiO<sub>3</sub>/NaOH Ratios on Compressive Strength. Applied Mechanics and Materials, 0, 815, 170-176. | 0.2 | 0 |
| 61 | Clay-Based Materials in Geopolymer Technology. , 0, , . | | 30 |