

Heah Cheng-Yong

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,850
citations

516710

16
h-index

395702

33
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37
all docs

37
docs citations

37
times ranked

1338
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and properties of clay-based geopolymer cements: A review. <i>Progress in Materials Science</i> , 2016, 83, 595-629.	32.8	371
2	Study on solids-to-liquid and alkaline activator ratios on kaolin-based geopolymers. <i>Construction and Building Materials</i> , 2012, 35, 912-922.	7.2	303
3	Processing and characterization of calcined kaolin cement powder. <i>Construction and Building Materials</i> , 2012, 30, 794-802.	7.2	146
4	Effect of Curing Profile on Kaolin-based Geopolymers. <i>Physics Procedia</i> , 2011, 22, 305-311.	1.2	141
5	Correlation between pore structure, compressive strength and thermal conductivity of porous metakaolin geopolymer. <i>Construction and Building Materials</i> , 2020, 247, 118641.	7.2	119
6	Formation of one-part-mixing geopolymers and geopolymer ceramics from geopolymer powder. <i>Construction and Building Materials</i> , 2017, 156, 9-18.	7.2	109
7	Optimization of solids-to-liquid and alkali activator ratios of calcined kaolin geopolymeric powder. <i>Construction and Building Materials</i> , 2012, 37, 440-451.	7.2	106
8	Thermal Resistance Variations of Fly Ash Geopolymers: Foaming Responses. <i>Scientific Reports</i> , 2017, 7, 45355.	3.3	103
9	Kaolin-based geopolymers with various NaOH concentrations. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2013, 20, 313-322.	4.9	84
10	Influence of Solids-to-liquid and Activator Ratios on Calcined Kaolin Cement Powder. <i>Physics Procedia</i> , 2011, 22, 312-317.	1.2	45
11	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
12	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
13	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
14	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
15	Effect of Sodium Hydroxide Molarity on Physical, Mechanical and Thermal Conductivity of Metakaolin Geopolymers. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 343, 012015.	0.6	21
16	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
17	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
18	Properties of polyaniline/graphene oxide (PANI/GO) composites: effect of GO loading. <i>Polymer Bulletin</i> , 2021, 78, 4835-4847.	3.3	15

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19	Cold-pressed fly ash geopolymers: effect of formulation on mechanical and morphological characteristics. <i>Journal of Materials Research and Technology</i> , 2021, 15, 3028-3046.	5.8	15
20	Review of Geopolymer Materials for Thermal Insulating Applications. <i>Key Engineering Materials</i> , 2015, 660, 17-22.	0.4	14
21	Strength and Microstructural Properties of Mechanically-Activated Kaolin Geopolymers. <i>Advanced Materials Research</i> , 2012, 626, 926-930.	0.3	13
22	Curing Behavior on Kaolin-Based Geopolymers. <i>Advanced Materials Research</i> , 0, 548, 42-47.	0.3	12
23	Effect of Alkali Concentration on Fly Ash Geopolymers. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 343, 012013.	0.6	12
24	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
25	Chemical composition and strength of dolomite geopolymer composites. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	8
26	Effect of Curing Regimes on Metakaolin Geopolymer Pastes Produced from Geopolymer Powder. <i>Advanced Materials Research</i> , 0, 626, 931-936.	0.3	6
27	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
28	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
29	Influence of Sputtering Temperature of TiO ₂ Deposited onto Reduced Graphene Oxide Nanosheet as Efficient Photoanodes in Dye-Sensitized Solar Cells. <i>Molecules</i> , 2020, 25, 4852.	3.8	5
30	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
31	Effect of Mechanical Activation on Kaolin-Based Geopolymers. <i>Advanced Materials Research</i> , 0, 479-481, 357-361.	0.3	4
32	Thermophysical Properties of Metakaolin Geopolymers Based on Na ₂ SiO ₃ /NaOH Ratio. <i>Solid State Phenomena</i> , 2018, 280, 487-493.	0.3	4
33	STUDY OF FLY ASH GEOPOLYMER AND FLY ASH/SLAG GEOPOLYMER IN TERM OF PHYSICAL AND MECHANICAL PROPERTIES. <i>European Journal of Materials Science and Engineering</i> , 2020, 5, 187-198.	0.1	4
34	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
35	Influence of Solidification Process on Calcined Kaolin Geopolymeric Powder. <i>Advanced Materials Research</i> , 0, 479-481, 286-291.	0.3	2
36	Calcined Kaolin Geopolymeric Powder: Influence of Water-to-Geopolymeric Powder Ratio. <i>Advanced Materials Research</i> , 2012, 548, 48-53.	0.3	1

#	ARTICLE	IF	CITATIONS
37	The Mechanical Properties and Thermal Resistance of Fly Ash Geopolymer Foams. Solid State Phenomena, 2018, 281, 175-181.	0.3	1