Chee Ban Cheah

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8263775/publications.pdf

Version: 2024-02-01

58 papers	1,939 citations	304701 22 h-index	254170 43 g-index
58 all docs	58 docs citations	58 times ranked	1506 citing authors

#	Article	IF	Citations
1	An overview on the influence of various factors on the properties of geopolymer concrete derived from industrial by-products. Construction and Building Materials, 2015, 77, 370-395.	7.2	360
2	The implementation of wood waste ash as a partial cement replacement material in the production of structural grade concrete and mortar: An overview. Resources, Conservation and Recycling, 2011, 55, 669-685.	10.8	255
3	Mechanical strength, durability and drying shrinkage of structural mortar containing HCWA as partial replacement of cement. Construction and Building Materials, 2012, 30, 320-329.	7.2	81
4	Partial replacement of copper slag with treated crumb rubber aggregates in alkali-activated slag mortar. Construction and Building Materials, 2020, 256, 119468.	7.2	78
5	The use of high calcium wood ash in the preparation of Ground Granulated Blast Furnace Slag and Pulverized Fly Ash geopolymers: AÂcomplete microstructural and mechanical characterization. Journal of Cleaner Production, 2017, 156, 114-123.	9.3	76
6	The engineering properties and microstructure of sodium carbonate activated fly ash/ slag blended mortars with silica fume. Composites Part B: Engineering, 2019, 160, 558-572.	12.0	75
7	The constituents, properties and application of heavyweight concrete: A review. Construction and Building Materials, 2019, 215, 73-89.	7.2	71
8	The setting behavior, mechanical properties and drying shrinkage of ternary blended concrete containing granite quarry dust and processed steel slag aggregate. Construction and Building Materials, 2019, 215, 447-461.	7.2	68
9	Glass powder as a partial precursor in Portland cement and alkali-activated slag mortar: A comprehensive comparative study. Construction and Building Materials, 2020, 251, 118991.	7.2	68
10	The mechanical strength and durability properties of ternary blended cementitious composites containing granite quarry dust (GQD) as natural sand replacement. Construction and Building Materials, 2019, 197, 291-306.	7.2	66
11	The engineering properties and microstructure development of cement mortar containing high volume of inter-grinded GGBS and PFA cured at ambient temperature. Construction and Building Materials, 2016, 122, 683-693.	7.2	52
12	The hybridizations of coal fly ash and wood ash for the fabrication of low alkalinity geopolymer load bearing block cured at ambient temperature. Construction and Building Materials, 2015, 88, 41-55.	7.2	43
13	The engineering performance of concrete containing high volume of ground granulated blast furnace slag and pulverized fly ash with polycarboxylate-based superplasticizer. Construction and Building Materials, 2019, 202, 909-921.	7.2	43
14	Recent advances in slag-based binder and chemical activators derived from industrial by-products â€“ A review. Construction and Building Materials, 2021, 272, 121657.	7.2	39
15	The mechanical properties and heat development behavior of high strength concrete containing high fineness coal bottom ash as a pozzolanic binder. Construction and Building Materials, 2020, 253, 119239.	7.2	37
16	Mechanical and Durability Performance of Novel Self-activating Geopolymer Mortars. Procedia Engineering, 2017, 171, 564-571.	1.2	35
17	Effect of nano zinc oxide and silica on mechanical, fluid transport and radiation attenuation properties of steel furnace slag heavyweight concrete. Construction and Building Materials, 2021, 274, 121785.	7.2	34
18	Flexural strength and impact resistance study of fibre reinforced concrete in simulated aggressive environment. Construction and Building Materials, 2014, 63, 62-71.	7.2	31

#	Article	IF	Citations
19	The engineering properties of high performance concrete with HCWAâ€“DSF supplementary binder. Construction and Building Materials, 2013, 40, 93-103.	7.2	28
20	The long term engineering properties of cementless building block work containing large volume of wood ash and coal fly ash. Construction and Building Materials, 2017, 143, 522-536.	7.2	27
21	Load capacity and crack development characteristics of HCWAâ€“DSF high strength mortar ferrocement panels in flexure. Construction and Building Materials, 2012, 36, 348-357.	7.2	24
22	Physicomechanical and gamma-ray shielding properties of high-strength heavyweight concrete containing steel furnace slag aggregate. Journal of Building Engineering, 2020, 30, 101306.	3.4	23
23	Comparative study on the effect of fiber type and content on the fire resistance of alkali-activated slag composites. Construction and Building Materials, 2021, 288, 123136.	7.2	23
24	The fluid transport properties of HCWAâ€“DSF hybrid supplementary binder mortar. Composites Part B: Engineering, 2014, 56, 681-690.	12.0	21
25	Engineering and gamma-ray attenuation properties of steel furnace slag heavyweight concrete with nano calcium carbonate and silica. Construction and Building Materials, 2021, 267, 120878.	7.2	20
26	Modern heavyweight concrete shielding: Principles, industrial applications and future challenges; review. Journal of Building Engineering, 2021, 39, 102290.	3.4	20
27	The influence of main and side chain densities of PCE superplasticizer on engineering properties and microstructure development of slag and fly ash ternary blended cement concrete. Construction and Building Materials, 2020, 242, 118103.	7.2	19
28	Influence of Liquid-to-Solid and Alkaline Activator (Sodium Silicate to Sodium Hydroxide) Ratios on Fresh and Hardened Properties of Alkali-Activated Palm Oil Fuel Ash Geopolymer. Materials, 2021, 14, 4253.	2.9	18
29	Effect of Sodium Silicate and Curing Regime on Properties of Load Bearing Geopolymer Mortar Block. Journal of Materials in Civil Engineering, 2017, 29, .	2.9	17
30	Properties of ternary blended cement containing ground granulated blast furnace slag and ground coal bottom ash. Construction and Building Materials, 2022, 315, 125249.	7.2	16
31	The structural behaviour of HCWA ferrocementâ€“reinforced concrete composite slabs. Composites Part B: Engineering, 2013, 51, 68-78.	12.0	15
32	The influence of type and combination of polycarboxylate ether superplasticizer on the mechanical properties and microstructure of slag-silica fume ternary blended self-consolidating concrete. Journal of Building Engineering, 2020, 31, 101412.	3.4	14
33	An Overview on the Influence of Various Factors on the Properties of Geopolymer Concrete Derived From Industrial Byproducts. , 2017, , 263-334.		13
34	Physico-mechanical properties and micromorphology of AAS mortars containing copper slag as fine aggregate at elevated temperature. Journal of Building Engineering, 2021, 39, 102289.	3.4	13
35	The Effects of Steel Fibre on the Mechanical Strength and Durability of Steel Fibre Reinforced High Strength Concrete (SFRHSC) Subjected to Normal and Hygrothermal Curing. MATEC Web of Conferences, 2014, 10, 02004.	0.2	11
36	Alkali-resistant glass fiber reinforced high strength concrete in simulated aggressive environment. Materiales De Construccion, 2018, 68, 147.	0.7	11

#	Article	IF	Citations
37	Coal bottom ash as constituent binder and aggregate replacement in cementitious and geopolymer composites: A review. Journal of Building Engineering, 2022, 52, 104369.	3.4	11
38	Influence of Cement Replacement with Fly Ash and Ground Sand with Different Fineness on Alkali-Silica Reaction of Mortar. Materials, 2021, 14, 1528.	2.9	9
39	Optimization of Mix Proportion of High Performance Mortar for Structural Applications. American Journal of Engineering and Applied Sciences, 2010, 3, 643-649.	0.6	8
40	Characterisation of High Calcium Wood Ash for Use as a Constituent in Wood Ash-Silica Fume Ternary Blended Cement. Advanced Materials Research, 0, 346, 3-11.	0.3	8
41	Effect of nano-silica slurry on engineering, X-ray, and Î³-ray attenuation characteristics of steel slag high-strength heavyweight concrete. Nanotechnology Reviews, 2020, 9, 1245-1264.	5.8	8
42	Strength, fluid transport and microstructure of high-strength concrete incorporating high-volume ground palm oil fuel ash blended with fly ash and limestone powder. Journal of Building Engineering, 2022, 56, 104714.	3.4	8
43	Accelerated curing regimes for polymer-modified cement. Magazine of Concrete Research, 2015, 67, 1233-1241.	2.0	6
44	Incorporation of bitumen and calcium silicate in cement and lime stabilized soil blocks. AIP Conference Proceedings, 2017, , .	0.4	6
45	Mechanical Performance of Ternary Cementitious Composites with Polypropylene Fiber. ACI Materials Journal, 2018, 115, .	0.2	5
46	Development of sintered aggregate derived from POFA and silt for lightweight concrete. Journal of Building Engineering, 2022, 49, 104039.	3.4	5
47	The properties of slag-silica fume ternary blended mortar with quarry dust. Journal of Mechanical Engineering and Sciences, 2020, 14, 6443-6451.	0.6	4
48	Properties of high calcium wood ash and densified silica fume blended cement. International Journal of Physical Sciences, 2011, 6, .	0.4	3
49	THE MECHANICAL STRENGTH AND DRYING SHRINKAGE BEHAVIOR OF HIGH PERFORMANCE CONCRETE WITH BLENDED MINERAL ADMIXTURE. Jurnal Teknologi (Sciences and Engineering), 2019, 81, .	0.4	3
50	Comparison of fluidity of cement paste incorporating mineral admixtures with polycarboxylate superplasticizers. IOP Conference Series: Materials Science and Engineering, 2018, 431, 052004.	0.6	2
51	DURABILITY PROPERTIES OF TERNARY BLENDED FLOWABLE HIGH PERFORMANCE CONCRETE CONTAINING GROUND GRANULATED BLAST FURNACE SLAG AND PULVERIZED FUEL ASH. Jurnal Teknologi (Sciences and) Tj ETQq1 1 0.784314 rgBT	0.4	2
52	Preliminary study on influence of silica fume on mechanical properties of no-cement mortars. IOP Conference Series: Materials Science and Engineering, 2019, 513, 012025.	0.6	2
53	Quarry dust. , 2022, , 507-543.		2
54	The Influence of Type and Combination of Polycarboxylate-Based (PCE) Superplasticizer on the Rheological Properties and Setting Behaviours of the Self-consolidating Concrete Containing GGBS and DSF. Lecture Notes in Civil Engineering, 2020, , 439-451.	0.4	1

#	Article	IF	Citations
55	The effect of Isoprenyl Ether polymer molecular structure on cementitious composites. Journal of Mechanical Engineering and Sciences, 2020, 14, 6811-6821.	0.6	1
56	The Effect of HCWA-PFA Hybrid Geopolymer Modification on the Properties of Soil. MATEC Web of Conferences, 2014, 17, 01016.	0.2	0
57	Flexural behavior of the fibrous cementitious composites (FCC) containing hybrid fibres. AIP Conference Proceedings, 2018, , .	0.4	0
58	The sorption and porosity of GGBS-PFA ternary blended cement concrete. , 2019, , .		0