

Faris Matakah

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

645
citations

623699

14
h-index

580810

25
g-index

38
all docs

38
docs citations

38
times ranked

578
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanochemical synthesis of one-part alkali aluminosilicate hydraulic cement. <i>Materials and Structures/Materiaux Et Constructions</i> , 2017, 50, 1.	3.1	82
2	Drying shrinkage of alkali activated binders cured at room temperature. <i>Construction and Building Materials</i> , 2019, 201, 563-570.	7.2	75
3	Ternary alkali aluminosilicate cement based on rice husk ash, slag and coal fly ash. <i>Journal of Building Engineering</i> , 2018, 19, 36-41.	3.4	46
4	Graphene nanoplatelet for enhancement the mechanical properties and durability characteristics of alkali activated binder. <i>Construction and Building Materials</i> , 2020, 249, 118773.	7.2	42
5	Use of non-wood biomass combustion ash in development of alkali-activated concrete. <i>Construction and Building Materials</i> , 2016, 121, 491-500.	7.2	38
6	Synthesis of kaolin-based alkali-activated cement: carbon footprint, cost and energy assessment. <i>Journal of Materials Research and Technology</i> , 2020, 9, 8367-8378.	5.8	37
7	Freeze thaw and deicer salt scaling resistance of concrete prepared with alkali aluminosilicate cement. <i>Construction and Building Materials</i> , 2018, 163, 200-213.	7.2	26
8	Development of sandwich composites for building construction with locally available materials. <i>Construction and Building Materials</i> , 2017, 147, 380-387.	7.2	25
9	Characterization of Alkali-Activated Nonwood Biomass Ash-Based Geopolymer Concrete. <i>Journal of Materials in Civil Engineering</i> , 2017, 29, .	2.9	25
10	Enhancement of the Mechanical Properties of Kaolin Geopolymer Using Sodium Hydroxide and Calcium Oxide. <i>Procedia Manufacturing</i> , 2020, 44, 164-171.	1.9	22
11	Synthesis and characterization of alkali aluminosilicate hydraulic cement that meets standard requirements for general use. <i>Construction and Building Materials</i> , 2018, 158, 42-49.	7.2	20
12	Acid resistance and corrosion protection potential of concrete prepared with alkali aluminosilicate cement. <i>Journal of Building Engineering</i> , 2018, 20, 705-711.	3.4	18
13	Effects of kaolin characteristics on the mechanical properties of alkali-activated binders. <i>Construction and Building Materials</i> , 2022, 318, 126020.	7.2	17
14	Optimization of ultra-high performance concrete, quantification of characteristic features. <i>Cogent Engineering</i> , 2019, 6, .	2.2	16
15	Effects of nanomaterials on mechanical properties, durability characteristics and microstructural features of alkali-activated binders: A comprehensive review. <i>Construction and Building Materials</i> , 2022, 336, 127545.	7.2	15
16	Influence of admixtures on rheological properties and heat of hydration of alkali aluminosilicate cement. <i>Advances in Cement Research</i> , 2017, 29, 397-403.	1.6	14
17	Effect of fiber type and content on the mechanical properties and shrinkage characteristics of alkali-activated kaolin. <i>Structural Concrete</i> , 2022, 23, 300-310.	3.1	14
18	Effects of citric acid on the rheology, hydration and strength development of alkali aluminosilicate cement. <i>Advances in Cement Research</i> , 2018, 30, 75-82.	1.6	12

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19	Plastic shrinkage cracking and bleeding of concrete prepared with alkali activated cement. Heliyon, 2019, 5, e01514.	3.2	12
20	Potential use of Jordanian volcanic tuffs as supplementary cementitious materials. Case Studies in Construction Materials, 2018, 8, 193-202.	1.7	11
21	Improvement of the surface quality and aesthetics of ultra-high-performance concrete. Proceedings of Institution of Civil Engineers: Construction Materials, 2019, 172, 246-255.	1.1	9
22	Alkali-Activation of Non-Wood Biomass Ash: Effects of Ash Characteristics on Concrete Performance. Civil Engineering Journal (Iran), 2017, 3, 365-371.	3.9	9
23	Carbon dioxide integration into alkali aluminosilicate cement particles for achievement of improved properties. Journal of Cleaner Production, 2018, 196, 1478-1485.	9.3	7
24	Efflorescence Control in Calcined Kaolin-Based Geopolymer Using Silica Fume and OPC. Journal of Materials in Civil Engineering, 2021, 33, .	2.9	7
25	Shelf life of alkali activated cement: Effects of storage condition and duration. Construction and Building Materials, 2019, 222, 664-672.	7.2	6
26	Fluidized bed combustion coal fly ash: comparative evaluation for potential use in alkali-activated binders. International Journal of Coal Preparation and Utilization, 2022, 42, 51-66.	2.1	6
27	Olive biomass ash-based geopolymer composite: development and characterisation. Advances in Applied Ceramics, 2021, 120, 1-9.	1.1	5
28	Robust, Carbon Nanotube/Polymer Nanolayered Composites with Enhanced Ductility and Strength. Journal of Nanomaterials & Molecular Nanotechnology, 2017, 06, .	0.1	5
29	CO2 treatment of ground granulated blast furnace slag for enhancing geopolymer properties. Journal of Materials Research and Technology, 2022, 17, 2457-2465.	5.8	5
30	Carbon dioxide use in beneficiation of landfilled coal ash for hazardous waste immobilization. Journal of Environmental Chemical Engineering, 2018, 6, 2055-2062.	6.7	3
31	Aerated Concrete Produced Using Locally Available Raw Materials. Civil Engineering Journal (Iran), 2017, 3, 214-220.	3.9	3
32	Experimental Investigations of the Dimensional Stability and Durability of Ultra-High-Performance Concrete. Advances in Materials Science and Applications, 2017, 6, 1-8.	0.7	3
33	Development of indigenous binders as construction materials. Proceedings of Institution of Civil Engineers: Construction Materials, 2019, 172, 10-19.	1.1	2
34	Scaled-up production of alkali-activated cement in the presence of carbon dioxide for concrete construction. Case Studies in Construction Materials, 2020, 13, e00463.	1.7	2
35	Effect of additives on carbon dioxide uptake and compressive strength of dry-cast concrete. Magazine of Concrete Research, 2021, 73, 288-301.	2.0	2
36	Conversion of Landfilled Ash into Hydraulic Cements under Different Environments. Advances in Recycling & Waste Management, 2017, 02, .	0.4	2

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37	High-recycled-content hydraulic cements of alternative chemistry for concrete production. International Journal of Sustainable Engineering, 2018, , 1-10.	3.5	1
38	Effects of the Duration of Landfill Disposal on the Physicochemical, Mineralogical and Toxicity Characteristics of Coal Ash. International Journal of Coal Preparation and Utilization, 2021, 41, 51-66.	2.1	1