

Khuram Rashid

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,119
citations

448610

19
h-index

466096

32
g-index

42
all docs

42
docs citations

42
times ranked

858
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrating technical-environmental-economical perspectives for optimizing rubber content in concrete by multi-criteria analysis. <i>Construction and Building Materials</i> , 2022, 319, 125820.	3.2	15
2	Correlating Reactivity of Fly Ash with Mechanical Strength of the Resultant Geopolymer. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 12469-12478.	1.7	7
3	Novel approach to synthesize clay-based geopolymer brick: Optimizing molding pressure and precursorsâ€™ proportioning. <i>Construction and Building Materials</i> , 2022, 322, 126472.	3.2	27
4	Physico-mechanical performance of fly ash based geopolymer brick: Influence of pressure â€™ temperature â€™ time. <i>Journal of Building Engineering</i> , 2022, 50, 104161.	1.6	16
5	Assessment of morphological characteristics and physico-mechanical properties of geopolymer green foam lightweight aggregate formulated by microwave irradiation. <i>Journal of Building Engineering</i> , 2021, 35, 102081.	1.6	8
6	Comparative study on prestress loss and flexural performance of rectangular and T beam strengthened by prestressing CFRP plate. <i>Composite Structures</i> , 2021, 262, 113340.	3.1	16
7	RC beams strengthened by prestressed CFRP plate subjected to sustained loading and continuous wetting condition: Time-dependent prestress loss. <i>Construction and Building Materials</i> , 2021, 275, 122187.	3.2	19
8	Physico-mechanical performance of lightweight geopolymer foam aggregates developed by geopolymerization through microwave-oven irradiations. <i>Journal of King Saud University, Engineering Sciences</i> , 2021, , .	1.2	4
9	Production of sustainable green mortar by ultrahigh utilization of fly ash: Technical, economic and environmental assessment. <i>Construction and Building Materials</i> , 2021, 281, 122617.	3.2	18
10	Utilization of a novel artificial intelligence technique (ANFIS) to predict the compressive strength of fly ash-based geopolymer. <i>Construction and Building Materials</i> , 2021, 301, 124251.	3.2	27
11	Debonding damage detection of the CFRP-concrete interface based on piezoelectric ceramics by the electromechanical impedance method. <i>Construction and Building Materials</i> , 2021, 303, 124431.	3.2	24
12	Synthesis and characterization of lightweight aggregates through geopolymerization and microwave irradiation curing. <i>Journal of Building Engineering</i> , 2021, 42, 102454.	1.6	5
13	Influence of fluxing oxides from waste on the production and physico-mechanical properties of fired clay brick: A review. <i>Journal of Building Engineering</i> , 2020, 27, 100965.	1.6	37
14	Physico-mechanical performance and durability of artificial lightweight aggregates synthesized by cementing and geopolymerization. <i>Construction and Building Materials</i> , 2020, 232, 117290.	3.2	55
15	Moving towards resource conservation by automated prioritization of concrete mix design. <i>Construction and Building Materials</i> , 2020, 236, 117586.	3.2	25
16	Thermally Aerated Geopolymers as Lightweight Construction Material. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6697.	1.3	1
17	Multi-criteria optimization of recycled aggregate concrete mixes. <i>Journal of Cleaner Production</i> , 2020, 276, 124316.	4.6	70
18	Synthesis and characterization of sustainable geopolymer green clay bricks: An alternative to burnt clay brick. <i>Construction and Building Materials</i> , 2020, 259, 119659.	3.2	43

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19	Cracking behavior of geopolymer concrete beams reinforced with steel and fiber reinforced polymer bars under flexural load. <i>Composites Part B: Engineering</i> , 2020, 186, 107777.	5.9	52
20	Experimental investigation of the bond strength between new to old concrete using different adhesive layers. <i>Construction and Building Materials</i> , 2020, 249, 118798.	3.2	49
21	Formulation and characterization of geopolymer and conventional lightweight green concrete by incorporating synthetic lightweight aggregate. <i>Journal of Building Engineering</i> , 2020, 31, 101363.	1.6	12
22	Experimental and analytical study on the flexural performance of CFRP-strengthened RC beams at various pre-stressing levels. <i>Composite Structures</i> , 2019, 227, 111323.	3.1	29
23	Experimental and finite element analysis on thermal conductivity of burnt clay bricks reinforced with fibers. <i>Construction and Building Materials</i> , 2019, 221, 190-199.	3.2	38
24	Sustainable selection of the concrete incorporating recycled tire aggregate to be used as medium to low strength material. <i>Journal of Cleaner Production</i> , 2019, 224, 396-410.	4.6	90
25	Influence of continuous and cyclic temperature durations on the performance of polymer cement mortar and its composite with concrete. <i>Composite Structures</i> , 2019, 215, 214-225.	3.1	36
26	Attribution of molasses dosage on fresh and hardened performance of recycled aggregate concrete. <i>Construction and Building Materials</i> , 2019, 197, 497-505.	3.2	17
27	Influence of organic agents to compressive strength of cement mortar. <i>Construction and Building Materials</i> , 2018, 175, 434-438.	3.2	7
28	Study of the ornamentation of Bhong Mosque for the survival of decorative patterns in Islamic architecture. <i>Frontiers of Architectural Research</i> , 2018, 7, 122-134.	1.3	8
29	A sustainable approach to optimum utilization of used foundry sand in concrete. <i>Science and Engineering of Composite Materials</i> , 2018, 25, 927-937.	0.6	7
30	Analytical framework for value added utilization of glass waste in concrete: Mechanical and environmental performance. <i>Waste Management</i> , 2018, 79, 312-323.	3.7	56
31	Long-Term Performance of External Bonding Under Moisture and Temperature Effects. , 2018, , 1867-1876.		2
32	Influence of steel fibers extracted from waste tires on shear behavior of reinforced concrete beams. <i>Structural Concrete</i> , 2017, 18, 589-596.	1.5	17
33	Compressive strength evaluation by non-destructive techniques: An automated approach in construction industry. <i>Journal of Building Engineering</i> , 2017, 12, 147-154.	1.6	33
34	Effects of Temperature and Moisture on Concrete-PCM Interface Performance. <i>Procedia Engineering</i> , 2017, 171, 71-79.	1.2	6
35	Experimental and Analytical Investigation of Crack Spacing and Width for Overlaid RC Beams at Elevated Temperatures. <i>Journal of Structural Engineering</i> , 2017, 143, .	1.7	17
36	Experimental and analytical selection of sustainable recycled concrete with ceramic waste aggregate. <i>Construction and Building Materials</i> , 2017, 154, 829-840.	3.2	111

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37	Creep Behavior of Resin Matrix and Basalt Fiber Reinforced Polymer (BFRP) Plate at Elevated Temperatures. Journal of Composites Science, 2017, 1, 3.	1.4	14
38	Investigation on concrete-PCM interface under elevated temperature: At material level and member level. Construction and Building Materials, 2016, 125, 465-478.	3.2	28
39	Moisture and Temperature Effects on Interface Mechanical Properties for External Bonding. , 2016, , .		2
40	Study on Shear Behavior of Concrete-polymer Cement Mortar at Elevated Temperature. Civil Engineering Dimension, 2016, 18, .	0.6	5
41	Experimental and analytical investigations on the behavior of interface between concrete and polymer cement mortar under hygrothermal conditions. Construction and Building Materials, 2015, 94, 414-425.	3.2	65