Ashfaque Ahmed Jhatial

List of Publications by Year
in descending order

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55 papers	659 citations	566801 15 h-index	676716 22 g-index
57 all docs	57 docs citations	57 times ranked	303 citing authors

#	Article	IF	Citations
1	Investigating embodied carbon, mechanical properties, and durability of high-performance concrete using ternary and quaternary blends of metakaolin, nano-silica, and fly ash. Environmental Science and Pollution Research, 2021, 28, 49074-49088.	2.7	43
2	Eggshell powder as partial cement replacement and its effect on the workability and compressive strength of concrete. International Journal of Advanced and Applied Sciences, 2019, 6, 71-75.	0.2	39
3	Production of eco-friendly concrete incorporating rice husk ash and polypropylene fibres. Environmental Science and Pollution Research, 2021, 28, 39168-39184.	2.7	33
4	Effect of silica fume and fly ash as cementitious material on hardened properties and embodied carbon of roller compacted concrete. Environmental Science and Pollution Research, 2022, 29, 1210-1222.	2.7	33
5	Development of Thermal Insulating Lightweight Foamed Concrete Reinforced with Polypropylene Fibres. Arabian Journal for Science and Engineering, 2020, 45, 4067-4076.	1.7	32
6	Thermo-mechanical properties and sustainability analysis of newly developed eco-friendly structural foamed concrete by reusing palm oil fuel ash and eggshell powder as supplementary cementitious materials. Environmental Science and Pollution Research, 2021, 28, 38947-38968.	2.7	28
7	Utilization of Palm Oil Fuel Ash and Eggshell Powder as Partial Cement Replacement - A Review. Civil Engineering Journal (Iran), 2018, 4, 1977.	1.2	28
8	Green and Sustainable Concrete â€“ The Potential Utilization of Rice Husk Ash and Egg Shells. Civil Engineering Journal (Iran), 2019, 5, 74.	1.2	25
9	Chemical and Fresh State Properties of Foamed Concrete Incorporating Palm Oil Fuel Ash and Eggshell Ash as Cement Replacement. International Journal of Engineering and Technology(UAE), 2018, 7, 350.	0.2	22
10	Influence of Fibre Length on the Behaviour of Polypropylene Fibre Reinforced Cement Concrete. Civil Engineering Journal (Iran), 2018, 4, 2124-2131.	1.2	22
11	Effect of steel fibres on the compressive and flexural strength of concrete. International Journal of Advanced and Applied Sciences, 2018, 5, 16-21.	0.2	21
12	Assessing the structural efficiency and durability of burnt clay bricks incorporating fly ash and silica fume as additives. Construction and Building Materials, 2021, 310, 125233.	3.2	21
13	Effect of Polypropylene Fibres on the Thermal Conductivity of Lightweight Foamed Concrete. MATEC Web of Conferences, 2018, 150, 03008.	0.1	19
14	Environmental assessment and mechanical properties of PolypropyleneÂfibres reinforced ternary binder foamed concrete. Environmental Science and Pollution Research, 2022, 29, 2985-3007.	2.7	19
15	A Comprehensive Review on Effects of Seawater on Engineering Properties of Concrete. Silicon, 2021, 13, 4519-4526.	1.8	17
16	Effect of Combined Supplementary Cementitious Materials on the Fresh and Mechanical Properties of Eco-Efficient Self-Compacting Concrete. Arabian Journal for Science and Engineering, 2021, 46, 10953-10973.	1.7	17
17	Determining Root Cause of Construction Waste Generation: A Global Context. Civil Engineering Journal (Iran), 2018, 4, 2539.	1.2	17
18	Innovative and sustainable green concreteâ€“A potential review on utilization of agricultural waste. IOP Conference Series: Materials Science and Engineering, 2019, 601, 012026.	0.3	13

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19	Combined effect of coconut shell and sugarcane bagasse ashes on the workability, mechanical properties and embodied carbon of concrete. Environmental Science and Pollution Research, 2022, 29, 5207-5223.	2.7	13
20	Sustainability and mechanical property assessment of concrete incorporating eggshell powder and silica fume as binary and ternary cementitious materials. Environmental Science and Pollution Research, 2022, 29, 58685-58697.	2.7	13
21	Influence of polypropylene fibres on the tensile strength and thermal properties of various densities of foamed concrete. IOP Conference Series: Materials Science and Engineering, 2017, 271, 012058.	0.3	12
22	Determining the Critical Success Factors for Highway Construction Projects in Pakistan. Engineering, Technology & Applied Science Research, 2018, 8, 2685-2688.	0.8	12
23	Evaluation of combined utilization of marble dust powder and fly ash on the properties and sustainability of high-strength concrete. Environmental Science and Pollution Research, 2022, 29, 28005-28019.	2.7	11
24	Thermo-Mechanical Properties of Various Densities of Foamed Concrete Incorporating Polypropylene Fibres. Arabian Journal for Science and Engineering, 2020, 45, 8171-8186.	1.7	10
25	Numerical analysis and experimental validation of reinforced foamed concrete beam containing partial cement replacement. Case Studies in Construction Materials, 2019, 11, e00297.	0.8	9
26	Factors adversely affecting quality in highway projects of Pakistan. International Journal of Advanced and Applied Sciences, 2018, 5, 62-66.	0.2	9
27	Effect of River Indus Sand and Recycled Concrete Aggregates as Fine and Coarse Replacement on Properties of Concrete. Engineering, Technology & Applied Science Research, 2019, 9, 3832-3835.	0.8	9
28	Flexural Study of Reinforced Foamed Concrete Beam Containing Palm Oil Fuel Ash (POFA) and Eggshell Powder (ESP) as Partial Cement Replacement. International Journal of Sustainable Construction Engineering and Technology, 2019, 10, .	0.1	8
29	Marble Powder As Fine Aggregates in Concrete. Engineering, Technology & Applied Science Research, 2019, 9, 4105-4107.	0.8	8
30	Utilization of Rubber Powder of Waste Tyres in Foam Concrete. Journal of Applied Engineering Sciences, 2019, 9, 87-90.	0.2	7
31	Preliminary Investigation of Thermal Behavior of Lightweight Foamed Concrete Incorporating Palm Oil Fuel Ash and Eggshell Powder. Periodica Polytechnica: Civil Engineering, 2020, , .	0.6	7
32	Effect of River Indus Sand on Concrete Tensile Strength. Engineering, Technology & Applied Science Research, 2018, 8, 2796-2798.	0.8	7
33	Thermomechanical evaluation of sustainable foamed concrete incorporating palm oil fuel ash and eggshell powder. Journal of Engineering Research, 2021, 9, .	0.4	6
34	Incorporation of Palm Oil Fuel Ash and Egg shell Powder as Supplementary Cementitious Materials in Sustainable Foamed Concrete. Tehnicki Vjesnik, 2020, 27, .	0.3	5
35	Thermal Performance Simulation of Eco-Friendly Lightweight Foamed Concrete Incorporating Palm Oil Fuel ash and Eggshell Powder Using ABAQUS. Silicon, 0, , 1.	1.8	5
36	Significant Mitigation Measures for Critical Factors of Cost Overrun in Highway Projects of Pakistan. Engineering, Technology & Applied Science Research, 2018, 8, 2770-2774.	0.8	5

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37	Fatigue and Rutting Analysis of Asphaltic Pavement Using â€œKENLAYERâ€•Software. Journal of Applied Engineering Sciences, 2019, 9, 177-182.	0.2	5
38	Physico-mechanical and microstructural behaviour of high-water content zinc-contaminated dredged sediment treated with integrated approach PHDVPSS. Environmental Science and Pollution Research, 2021, 28, 58331-58341.	2.7	4
39	Influence of Long Polypropylene Fibre on the Properties of Concrete. Quaid-e-awam University Research Journal of Engineering Science & Technology, 2020, 18, 38-43.	0.2	4
40	PonaÅ¡anje betona pri kombiniranom djelovanju okoliÅ¡a i moguÄ‡nosti primjene na alkalno-aktivirane materijale. , 2019, , .		4
41	Flexural Behaviour, Microstructure and Cost-Benefit Analysis of Ternary Binder Foamed Concrete. Journal of Engineering Research, 0, , .	0.4	4
42	Synergic influence of degrading mechanisms and induced loading by prestressing on the concrete: state of the art. Environmental Science and Pollution Research, 2022, 29, 3184-3198.	2.7	4
43	Preliminary investigation of high-water content dredged sediment treated with chemical-physical combined method at low cement content. Environmental Science and Pollution Research, 2022, 29, 32763-32772.	2.7	4
44	Assessing the sustainability and cost-effectiveness of concrete incorporating various fineness of eggshell powder as supplementary cementitious material. Environmental Science and Pollution Research, 2022, 29, 84814-84826.	2.7	4
45	Experimental Study for Structural Behaviour of Precast Lightweight Panel (PLP) Under Flexural Load. IOP Conference Series: Materials Science and Engineering, 2017, 216, 012035.	0.3	3
46	Development of Self-compacting Concrete Incorporating Palm Oil Fuel Ash and Eggshell Powder as Partial Cement Replacement. Lecture Notes in Civil Engineering, 2021, , 1-12.	0.3	3
47	Effectiveness of Locally Available Superplasticizers on the Workability and Strength of Concrete. Civil Engineering Journal (Iran), 2018, 4, 2919.	1.2	3
48	Mechanical Properties of Concrete Containing River Indus Sand and Recyclable Concrete Aggregate. Civil Engineering Journal (Iran), 2018, 4, 1869.	1.2	3
49	Contributing Cost Variation Factors in Highway Projects. Civil Engineering Journal (Iran), 2018, 4, 1793.	1.2	2
50	Effect of shrinkage-controlled polymer-modified binders (SC-PMB) onÂthe bond strength of repaired structural concrete. Innovative Infrastructure Solutions, 2021, 6, 1.	1.1	1
51	Effect of Polypropylene Fibre on the Strength of Concrete Incorporating Rice Husk Ash. Journal of Applied Engineering Sciences, 2020, 10, 69-71.	0.2	1
52	Influence Of Casting Temperature On The Structural Behavior Of Concrete. Engineering, Technology & Applied Science Research, 2019, 9, 4480-4483.	0.8	1
53	Financial Issues in Project Schedule of the Construction Industry in Pakistan. Journal of Applied Engineering Sciences, 2020, 10, 89-94.	0.2	1
54	Preliminary Study on the Mechanical Activation and High-Temperature Treatment of Saponite-Containing Tailings Generated during Kimberlite Ore Dressing. Applied Sciences (Switzerland), 2022, 12, 4957.	1.3	1

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55	Computational Analysis on Flexural Behavior of Precast Aerated Concrete Panel Incorporating Polypropylene Fiber. International Journal of Engineering and Technology(UAE), 2018, 7, 209.	0.2	0