

# Ahmed Ashteyat

## List of Articles by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Flexural and Shear Strengthening of High-Strength Concrete Beams Using near Surface Basalt Fiber Bars. Infrastructures, 2025, 10, 1.	2.6	3
2	Flexural strengthening and rehabilitation of continuous reinforced concrete beams using BFRP sheets: Experimental and analytical techniques. Composites Part C: Open Access, 2025, 16, 100556.	3.9	5
3	Experimental Investigation of Heat-Damaged RC Slender Spiral Columns Repaired with CFRP Rope. Infrastructures, 2025, 10, 21.	2.6	1
4	Waste marble sludge and calcined clay brick powders in conventional cement farina production for cleaner built environment. Scientific Reports, 2025, 15, .	3.4	6
5	Comparative analysis of shear behavior in continuous low-strength RC beams strengthened with BFRP and CFRP: An experimental and numerical investigation. Composites Part C: Open Access, 2025, 16, 100575.	3.9	10
6	Behavior of ultra-high-performance concrete under elevated temperatures: A comprehensive review of mechanical, physical, thermal, and microstructural properties. Results in Engineering, 2025, 26, 104960.	6.8	12
7	Repairing high-strength concrete two-way solid slabs exposed to elevated temperature using NSM-CFRP ropes. Composites Part C: Open Access, 2025, 17, 100590.	3.9	4
8	Lateral Performance of Steel-Concrete Anchors Embedded in RC Columns Subjected to Fire Scenario. Infrastructures, 2025, 10, 173.	2.6	0
9	Modification mechanism of silver nanoparticles-functionalized MW-CNT and GGBFS and CQDs on the structural properties of geopolymers reinforced-composite beam. Scientific Reports, 2025, 15, .	3.4	1
10	Shear Behavior of Reinforced Concrete Two-Way Slabs with Openings. Buildings, 2025, 15, 2765.	2.7	4
11	Impact resistance of heated and unheated two-way slab reinforced with basalt fiber. Composites Part C: Open Access, 2025, 18, 100638.	3.9	0
12	Repairing of One-Way Solid Slab Exposed to Thermal Shock Using CFRP: Experimental and Analytical Study. Fibers, 2024, 12, 18.	3.6	11
13	Flexural behavior of RC beams incorporating recycled concrete aggregate and reclaimed asphalt pavement exposed to elevated temperatures. Results in Engineering, 2024, 22, 102309.	6.8	9
14	Influence of Basalt Fiber on the Rheological and Mechanical Properties and Durability Behavior of Self-Compacting Concrete (SCC). Fibers, 2024, 12, 52.	3.6	16
15	Behavior of repaired heat-damaged self-compacted concrete slabs with openings using NSM-CFRP strips. International Journal of Structural Integrity, 2024, 15, 993-1011.	3.3	3
16	Shear repairing of reinforced concrete beams exposed to high temperature using basalt fiber reinforcing bars and CFRP ropes and strips. Composites Part C: Open Access, 2024, 15, 100517.	3.9	6
17	Experimental study of flexural behaviour of RC beams strengthened using near surface mounted CFRP strips and ropes. European Journal of Environmental and Civil Engineering, 2023, 27, 2116-2135.	2.5	9
18	The behavior of strengthened and repaired RC columns with (CFRP) rope under different preloading levels. European Journal of Environmental and Civil Engineering, 2023, 27, 4212-4236.	2.5	7

#	ARTICLE	IF	CITATIONS
19	Shear Strengthening and Repairing of Reinforced Concrete Deep Beams Damaged by Heat Using NSMâ€“CFRP Ropes. <i>Fibers</i> , 2023, 11, 35.	3.6	26
20	Effect of using Oil Shale Ash on geotechnical properties of cement-stabilized expansive soil for pavement applications. <i>Case Studies in Construction Materials</i> , 2023, 19, e02508.	1.8	11
21	Flexural repairing of heat damaged reinforced concrete beams using NSM-BFRP bars and NSM-CFRP ropes. <i>Composites Part C: Open Access</i> , 2023, 12, 100404.	3.9	15
22	Mechanical and durability behaviour of roller-compacted concrete containing white cement by pass dust and polypropylene fibre. <i>European Journal of Environmental and Civil Engineering</i> , 2022, 26, 166-183.	2.5	26
23	Experimental and analytical investigation of using externally bonded, hybrid, fiber-reinforced polymers to repair and strengthen heated, damaged RC beams in flexure. <i>Journal of Structural Fire Engineering</i> , 2022, 13, 391-417.	1.0	13
24	Behaviour of heat damaged repaired reinforced SCC cantilever beam using carbon fiber reinforced polymer rope. <i>European Journal of Environmental and Civil Engineering</i> , 2022, 26, 8002-8017.	2.5	14
25	Roller Compacted Concrete with Oil Shale Ash as a Replacement of Cement: Mechanical and Durability Behavior. <i>International Journal of Pavement Research and Technology</i> , 2022, 17, 151-168.	1.6	12
26	Influence of temperature on mechanical properties of recycled asphalt pavement aggregate and recycled coarse aggregate concrete. <i>Construction and Building Materials</i> , 2021, 269, 121285.	7.6	55
27	Production of Roller Compacted Concrete Made of Recycled Asphalt Pavement Aggregate and Recycled Concrete Aggregate and Silica Fume. <i>International Journal of Pavement Research and Technology</i> , 2021, 15, 987-1002.	1.6	24
28	Shear behaviour of RC beams made with natural, recycled aggregate concrete and reclaimed asphalt aggregates under normal and elevated temperature. <i>Journal of Building Engineering</i> , 2021, 40, 102681.	3.1	15
29	Shear strengthening of RC beams using side near surface mounted CFRP ropes and strips. <i>Structures</i> , 2021, 32, 380-390.	3.7	35
30	The effect of length and inclination of carbon fiber reinforced polymer laminates on shear capacity of nearâ€“surface mounted retrofitted reinforced concrete beams. <i>Structural Concrete</i> , 2021, 22, 3677-3691.	2.7	33
31	Activation of slag through a combination of NaOH/NaS alkali for transforming it into geopolymer slag binder mortar â€“ assessment the effects of two different Blaine fines and three different curing conditions. <i>Journal of Materials Research and Technology</i> , 2021, 14, 1569-1584.	6.1	50
32	Bond characteristics between concrete and near-surface mounted carbon fiber reinforced polymer cords. <i>Journal of Structural Integrity and Maintenance</i> , 2021, 6, 223-236.	1.6	9
33	Development and assessment of cement and concrete made of the burning of quinary by-product. <i>Journal of Materials Research and Technology</i> , 2021, 15, 3708-3721.	6.1	27
34	Experimental and numerical study of strengthening and repairing heat-damaged RC circular column using hybrid system of CFRP. <i>Case Studies in Construction Materials</i> , 2021, 15, e00742.	1.8	7
35	Synthesis, physico-mechanical properties, material processing, and math models of novel superior materials doped flake of carbon and colloid flake of carbon. <i>Journal of Materials Research and Technology</i> , 2021, 15, 4993-5009.	6.1	26
36	A new technique for repairing reinforced concrete columns. <i>Journal of Building Engineering</i> , 2020, 30, 101256.	3.1	27

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37	Repair of heat-damaged SCC cantilever beams using SNSM CFRP strips. Structures, 2020, 24, 151-162.	3.7	23
38	Seismic retrofitting of severely damaged RC connections made with recycled concrete using CFRP sheets. Frontiers of Structural and Civil Engineering, 2020, 14, 554-568.	2.6	22
39	Behavior of heat damaged circular reinforced concrete columns repaired using Carbon Fiber Reinforced Polymer rope. Journal of Building Engineering, 2020, 31, 101424.	3.1	21
40	Shear strengthening of RC beams using near-surface mounted carbon fibre-reinforced polymers. Australian Journal of Structural Engineering, 2019, 20, 54-62.	1.5	24
41	Strengthening and repair of one-way and two-way self-compacted concrete slabs using near-surface-mounted carbon-fiber-reinforced polymers. Advances in Structural Engineering, 2019, 22, 2435-2448.	2.2	18
42	Retrofitting of partially damaged reinforced concrete beam-column joints using various plate-configurations of CFRP under cyclic loading. Construction and Building Materials, 2019, 198, 313-322.	7.6	69
43	Performance of RC Beam Strengthened with NSM-CFRP Strip Under Pure Torsion: Experimental and Numerical Study. International Journal of Civil Engineering, 2019, 18, 585-593.	1.5	33
44	Case study on production of self compacting concrete using white cement by pass dust. Case Studies in Construction Materials, 2018, 9, e00190.	1.8	14
45	Numerical study of contact stresses under foundations resting on cohesionless soil: Effects of foundation rigidity and applied stress level. KSCE Journal of Civil Engineering, 2016, 21, 1107-1114.	1.8	9
46	Prediction of mechanical properties of post-heated self-compacting concrete using non-destructive tests. European Journal of Environmental and Civil Engineering, 2014, 18, 1-10.	2.5	14
47	Stabilisation of fine-grained soils with saline water. European Journal of Environmental and Civil Engineering, 2013, 17, 32-45.	2.5	13
48	Utilization of white cement bypass dust as filler in asphalt concrete mixtures. Canadian Journal of Civil Engineering, 2009, 36, 191-195.	1.6	12
49	The behavior of strengthened RC beams under pure torsion using NSM-CFRP rope. International Journal of Building Pathology and Adaptation, 0, 43, 1577-1594.	2.5	3
50	Punching shear repairing of two-way solid slab subjected to high temperature using CFRP rope considering different configurations. Journal of Asian Architecture and Building Engineering, 0, 25, 1154-1172.	1.8	1
51	Investigation of flexural repairing techniques for heat-damaged reinforced concrete T-beams using BFRP and CFRP composites: Experimental and numerical approach. Composites Part C: Open Access, 0, 18, 100652.	3.9	0
52	Analyzing Flexural Integrity Enhancement in Continuous Reinforced Concrete Beams Using NSM-BFRP Ropes: Experimental and Numerical Approach. CivilEng, 0, 6, 58.	1.7	2
53	Shear strengthening of two-way reinforced concrete slabs with openings: A review of strengthening techniques and code perspectives. Results in Engineering, 0, 28, 108059.	6.8	2
54	Shear strengthening and rehabilitation of high-strength continuous RC beams with BFRP: A combined experimental and numerical study. Hybrid Advances, 0, 12, 100592.	5.0	1

#	ARTICLE	IF	CITATIONS
55	Strengthening and repairing of a one-way solid slab exposed to thermal effect using CFRP Grid. Composites Part C: Open Access, 0, 19, 100694.	3.9	1
56	Shear Performance of Reinforced Concrete Beams with Varying Recycled Coarse and Fine Aggregate Contents Under Fire Exposure. Construction Materials, 0, 6, 21.	0.5	0
57	Shear strengthening and rehabilitation of heat-damaged RC deep beams with openings using CFRP: experimental and numerical study. Journal of Asian Architecture and Building Engineering, 0, , 1-23.	1.8	0