

# Bassam A Tayeh

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

124  
papers

2,483  
citations

28  
h-index

44  
g-index

145  
ext. papers

4,374  
ext. citations

3.5  
avg. IF

6.46  
L-index

#	Paper	IF	Citations
124	Manufacturing nano novel composites using sugarcane and eggshell as an alternative for producing nano green mortar.. <i>Environmental Science and Pollution Research</i> , <b>2022</b> , 1	5.1	2
123	Impact of Ca+ content and curing condition on durability performance of metakaolin-based geopolymer mortars. <i>Case Studies in Construction Materials</i> , <b>2022</b> , 16, e00922	2.7	3
122	Using artificial neural networks for predicting mechanical and radiation shielding properties of different nano-concretes exposed to elevated temperature. <i>Construction and Building Materials</i> , <b>2022</b> , 324, 126663	6.7	3
121	Recycling of mine tailings for the geopolymers production: A systematic review. <i>Case Studies in Construction Materials</i> , <b>2022</b> , 16, e00933	2.7	5
120	Production of geopolymer concrete by utilizing volcanic pumice dust. <i>Case Studies in Construction Materials</i> , <b>2022</b> , 16, e00802	2.7	9
119	Effect of ferrosilicon and silica fume on mechanical, durability, and microstructure characteristics of ultra high-performance concrete. <i>Construction and Building Materials</i> , <b>2022</b> , 320, 126233	6.7	13
118	Review on effect of steam curing on behavior of concrete. <i>Cleaner Materials</i> , <b>2022</b> , 3, 100042		1
117	Possibilities for the application of agro-industrial wastes in cementitious materials: A brief review of the Brazilian perspective. <i>Cleaner Materials</i> , <b>2022</b> , 3, 100040		12
116	Fresh and mechanical properties overview of alkali-activated materials made with glass powder as precursor. <i>Cleaner Materials</i> , <b>2022</b> , 3, 100036		3
115	Behaviour of RC columns strengthened with Ultra-High Performance Fiber Reinforced concrete (UHPFRC) under eccentric loading. <i>Journal of Building Engineering</i> , <b>2022</b> , 47, 103857	5.2	4
114	Confinement model for LRS FRP-confined concrete using conventional regression and artificial neural network techniques. <i>Composite Structures</i> , <b>2022</b> , 279, 114779	5.3	9
113	Exploring engineering properties of waste tire rubber for construction applications - a review of recent advances. <i>Materials Today: Proceedings</i> , <b>2022</b> , 53, A1-A17	1.4	0
112	Performance and microstructure analysis of high-strength concrete incorporated with nanoparticles subjected to high temperatures and actual fires. <i>Archives of Civil and Mechanical Engineering</i> , <b>2022</b> , 22, 1	3.4	4
111	Influence of recycled aggregates and carbon nanofibres on properties of ultra-high-performance concrete under elevated temperatures. <i>Case Studies in Construction Materials</i> , <b>2022</b> , e01063	2.7	2
110	Enhancing the Impact Strength of Prepacked Aggregate Fibrous Concrete Using Asphalt-Coated Aggregates.. <i>Materials</i> , <b>2022</b> , 15,	3.5	3
109	Using ultra-high performance fiber reinforced concrete in improvement shear strength of reinforced concrete beams. <i>Case Studies in Construction Materials</i> , <b>2022</b> , 16, e01009	2.7	1
108	Effect of air agent on mechanical properties and microstructure of lightweight geopolymer concrete under high temperature. <i>Case Studies in Construction Materials</i> , <b>2022</b> , 16, e00951	2.7	5

107	Sustainable utilization of red mud waste (bauxite residue) and slag for the production of geopolymer composites: A review. <i>Case Studies in Construction Materials</i> , <b>2022</b> , 16, e00994	2.7	6
106	Optimizing the concrete strength of lightweight concrete containing Nano palm oil fuel ash and palm oil clinker using response surface method. <i>Case Studies in Construction Materials</i> , <b>2022</b> , e01061	2.7	0
105	Sustainable application of coal bottom ash as fine aggregates in concrete: A comprehensive review. <i>Case Studies in Construction Materials</i> , <b>2022</b> , 16, e01109	2.7	1
104	Thermal insulation and mechanical characteristics of cement mortar reinforced with mineral wool and rice straw fibers. <i>Journal of Building Engineering</i> , <b>2022</b> , 53, 104568	5.2	3
103	Effect of recycled waste glass on the properties of high-performance concrete: A critical review. <i>Case Studies in Construction Materials</i> , <b>2022</b> , e01149	2.7	0
102	Rubberized geopolymer composites: A comprehensive review. <i>Ceramics International</i> , <b>2022</b> ,	5.1	3
101	Artificial Neural Network (ANN) and Finite Element (FEM) Models for GFRP-Reinforced Concrete Columns under Axial Compression. <i>Materials</i> , <b>2021</b> , 14,	3.5	7
100	Engineering properties of sustainable green concrete incorporating eco-friendly aggregate of crumb rubber: A review. <i>Journal of Cleaner Production</i> , <b>2021</b> , 324, 129251	10.3	10
99	Potential applications of geopolymer concrete in construction: A review. <i>Case Studies in Construction Materials</i> , <b>2021</b> , 15, e00733	2.7	15
98	Fabrication of thermal insulation geopolymer bricks using ferrosilicon slag and alumina waste. <i>Case Studies in Construction Materials</i> , <b>2021</b> , 15, e00737	2.7	5
97	Behavior of geopolymer concrete deep beams containing waste aggregate of glass and limestone as a partial replacement of natural sand. <i>Case Studies in Construction Materials</i> , <b>2021</b> , 15, e00744	2.7	5
96	Performance of sustainable concrete containing different types of recycled plastic. <i>Journal of Cleaner Production</i> , <b>2021</b> , 328, 129517	10.3	8
95	Effect of crumb rubber on the punching shear behaviour of reinforced concrete slabs with openings. <i>Construction and Building Materials</i> , <b>2021</b> , 311, 125345	6.7	3
94	Barriers of Occupational Safety Implementation in Infrastructure Projects: Gaza Strip Case. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	4
93	Safety Barriers Identification, Classification, and Ways to Improve Safety Performance in the Architecture, Engineering, and Construction (AEC) Industry: Review Study. <i>Sustainability</i> , <b>2021</b> , 13, 3316	3.6	9
92	The effect of steam curing regimes on the chloride resistance and pore size of high-strength green concrete. <i>Construction and Building Materials</i> , <b>2021</b> , 280, 122409	6.7	33
91	Mechanical Properties of Silica Fume Modified High-Volume Fly Ash Rubberized Self-Compacting Concrete. <i>Sustainability</i> , <b>2021</b> , 13, 5571	3.6	24
90	Influence of steam curing regimes on the properties of ultrafine POFA-based high-strength green concrete. <i>Journal of Building Engineering</i> , <b>2021</b> , 38, 102204	5.2	22

89	The effect of using nano rice husk ash of different burning degrees on ultra-high-performance concrete properties. <i>Construction and Building Materials</i> , <b>2021</b> , 290, 123279	6.7	41
88	Health and safety improvement in construction projects: a lean construction approach. <i>International Journal of Occupational Safety and Ergonomics</i> , <b>2021</b> , 1-13	2.1	7
87	Experimental and numerical investigations of the influence of partial replacement of coarse aggregates by plastic waste on the impact load. <i>International Journal of Sustainable Engineering</i> , <b>2021</b> , 14, 735-742	3.1	3
86	Technological performance of natural fibre reinforced cement-based mortars. <i>Journal of Building Engineering</i> , <b>2021</b> , 33, 101675	5.2	63
85	Effect of high temperature on the mechanical properties of basalt fibre self-compacting concrete as an overlay material. <i>Construction and Building Materials</i> , <b>2021</b> , 268, 121725	6.7	26
84	Flexural behavior of RC beams strengthened with steel wire mesh and self-compacting concrete jacketing. Experimental investigation and test results. <i>Journal of Materials Research and Technology</i> , <b>2021</b> , 10, 1002-1019	5.5	11
83	Mechanical properties of semi-lightweight concrete containing nano-palm oil clinker powder. <i>Physics and Chemistry of the Earth</i> , <b>2021</b> , 121, 102977	3	17
82	Producing Sustainable Concrete using Nano Recycled Glass. <i>Open Civil Engineering Journal</i> , <b>2021</b> , 15, 236-243	0.8	2
81	Recycling of rice husk waste for a sustainable concrete: A critical review. <i>Journal of Cleaner Production</i> , <b>2021</b> , 312, 127734	10.3	21
80	Two-Year Non-Destructive Evaluation of Eco-Efficient Concrete at Ambient Temperature and after Freeze-Thaw Cycles. <i>Sustainability</i> , <b>2021</b> , 13, 10605	3.6	3
79	Engineering properties of self-cured normal and high strength concrete produced using polyethylene glycol and porous ceramic waste as coarse aggregate. <i>Construction and Building Materials</i> , <b>2021</b> , 299, 124243	6.7	17
78	Effects of nano cotton stalk and palm leaf ashes on ultrahigh-performance concrete properties incorporating recycled concrete aggregates. <i>Construction and Building Materials</i> , <b>2021</b> , 302, 124196	6.7	39
77	Mechanical and durability properties of ultra-high performance concrete incorporated with various nano waste materials under different curing conditions. <i>Journal of Building Engineering</i> , <b>2021</b> , 43, 102569	5.2	19
76	Punching shear behaviour of RC flat slabs incorporating recycled coarse aggregates and crumb rubber. <i>Journal of Building Engineering</i> , <b>2021</b> , 44, 103363	5.2	1
75	Evaluation and optimisation of foam concrete containing ground calcium carbonate and glass fibre (experimental and modelling study). <i>Case Studies in Construction Materials</i> , <b>2021</b> , 15, e00625	2.7	4
74	Effect of elevated temperatures on mechanical properties of lightweight geopolymer concrete. <i>Case Studies in Construction Materials</i> , <b>2021</b> , 15, e00673	2.7	13
73	Risk Management Strategies in Construction Organizations. <i>Open Civil Engineering Journal</i> , <b>2021</b> , 15, 406-413	0.8	1
72	Occupational health and safety practice in infrastructure projects.. <i>International Journal of Occupational Safety and Ergonomics</i> , <b>2021</b> , 1-14	2.1	1

71	Mechanical and deformation properties of rubberized engineered cementitious composite (ECC). <i>Case Studies in Construction Materials</i> , <b>2020</b> , 13, e00385	2.7	14
70	Exploitation of the nanowaste ceramic incorporated with nano silica to improve concrete properties. <i>Journal of King Saud University, Engineering Sciences</i> , <b>2020</b> , 33, 581-581	2.2	19
69	The Utilization of Recycled Aggregate in High Performance Concrete: A Review. <i>Journal of Materials Research and Technology</i> , <b>2020</b> , 9, 8469-8481	5.5	35
68	Durability and mechanical properties of seashell partially-replaced cement. <i>Journal of Building Engineering</i> , <b>2020</b> , 31, 101328	5.2	20
67	Experimental and modelling study of mixture design optimisation of glass fibre-reinforced concrete with combined utilisation of Taguchi and Extreme Vertices Design Techniques. <i>Journal of Materials Research and Technology</i> , <b>2020</b> , 9, 2093-2106	5.5	28
66	Eco-friendly concrete containing recycled plastic as partial replacement for sand. <i>Journal of Materials Research and Technology</i> , <b>2020</b> , 9, 4631-4643	5.5	62
65	Effects of nano-palm oil fuel ash and nano-eggshell powder on concrete. <i>Construction and Building Materials</i> , <b>2020</b> , 261, 119790	6.7	44
64	Factors affecting defects occurrence in the construction stage of residential buildings in Gaza Strip. <i>SN Applied Sciences</i> , <b>2020</b> , 2, 1	1.8	5
63	Use of recycled plastic as fine aggregate in cementitious composites: A review. <i>Construction and Building Materials</i> , <b>2020</b> , 253, 119146	6.7	71
62	Project Manager Interventions in Occupational Health and Safety During the Pre-construction Phase in the Gaza Strip. <i>Open Civil Engineering Journal</i> , <b>2020</b> , 14, 20-30	0.8	8
61	Risk Factors Affecting the Performance of Construction Projects in Gaza Strip. <i>Open Civil Engineering Journal</i> , <b>2020</b> , 14, 94-104	0.8	9
60	Building Information Modeling (BIM) in Enhancing the Applying of Knowledge Areas in the Architecture, Engineering and Construction (AEC) Industry. <i>Open Civil Engineering Journal</i> , <b>2020</b> , 14, 388-401	0.8	1
59	Factors Affecting Sustainability Performance during the Construction Stage in Building Projects-Consultants Perspective. <i>Open Construction and Building Technology Journal</i> , <b>2020</b> , 14, 17-26	1.1	2
58	Potential Use of Ultra High-Performance Fibre-Reinforced Concrete as a Repair Material for Fire-Damaged Concrete in Terms of Bond Strength. <i>International Journal of Integrated Engineering</i> , <b>2020</b> , 12,	1.5	13
57	Microstructure and structural analysis of polypropylene fibre reinforced reactive powder concrete beams exposed to elevated temperature. <i>Journal of Building Engineering</i> , <b>2020</b> , 29, 101167	5.2	19
56	Effects of using rice straw and cotton stalk ashes on the properties of lightweight self-compacting concrete. <i>Construction and Building Materials</i> , <b>2020</b> , 235, 117541	6.7	70
55	Durability and strength characteristics of high-strength concrete incorporated with volcanic pumice powder and polypropylene fibers. <i>Journal of Materials Research and Technology</i> , <b>2020</b> , 9, 806-818	5.5	48
54	Effect of high-volume ultrafine palm oil fuel ash on the engineering and transport properties of concrete. <i>Case Studies in Construction Materials</i> , <b>2020</b> , 12, e00318	2.7	16

53	Using safety system during the design phase to minimize waste in construction projects. <i>Journal of King Saud University, Engineering Sciences</i> , <b>2020</b> ,	2.2	4
52	Mechanical and durability properties of ground calcium carbonate-added roller-compacted concrete for pavement. <i>Journal of Materials Research and Technology</i> , <b>2020</b> , 9, 13341-13351	5.5	6
51	Stability of glassy concrete under elevated temperatures. <i>European Journal of Environmental and Civil Engineering</i> , <b>2020</b> , 1-12	1.5	4
50	Effect of using mineral admixtures and ceramic wastes as coarse aggregates on properties of ultrahigh-performance concrete. <i>Journal of Cleaner Production</i> , <b>2020</b> , 273, 123073	10.3	64
49	Investigating the mechanical and microstructure properties of fibre-reinforced lightweight concrete under elevated temperatures. <i>Case Studies in Construction Materials</i> , <b>2020</b> , 13, e00459	2.7	19
48	Use of oil palm shell as an aggregate in cement concrete: A review. <i>Construction and Building Materials</i> , <b>2020</b> , 265, 120357	6.7	43
47	The present state of the use of eggshell powder in concrete: A review. <i>Journal of Building Engineering</i> , <b>2020</b> , 32, 101583	5.2	16
46	Flexural performance of reinforced concrete beams strengthened with self-compacting concrete jacketing and steel welded wire mesh. <i>Structures</i> , <b>2020</b> , 28, 2146-2162	3.4	7
45	Shear Behaviour of RC Beams Strengthened by Various Ultrahigh Performance Fibre-Reinforced Concrete Systems. <i>Advances in Civil Engineering</i> , <b>2020</b> , 2020, 1-18	1.3	11
44	Properties of environmental concrete that contains crushed walnut shell as partial replacement for aggregates. <i>Arabian Journal of Geosciences</i> , <b>2020</b> , 13, 1	1.8	15
43	Properties of self-compacting high-strength concrete containing multiple use of recycled aggregate. <i>Journal of King Saud University, Engineering Sciences</i> , <b>2020</b> , 32, 108-114	2.2	20
42	Sulphate resistance of cement mortar contains glass powder. <i>Journal of King Saud University, Engineering Sciences</i> , <b>2020</b> , 32, 495-500	2.2	9
41	Effect of partial replacement of sand by plastic waste on impact resistance of concrete: experiment and simulation. <i>Structures</i> , <b>2019</b> , 20, 519-526	3.4	43
40	Techniques and benefits of implementing the last planner system in the Gaza Strip construction industry. <i>Engineering, Construction and Architectural Management</i> , <b>2019</b> , 26, 1424-1436	3.1	10
39	Repairing and Strengthening of Damaged RC Columns Using Thin Concrete Jacketing. <i>Advances in Civil Engineering</i> , <b>2019</b> , 2019, 1-16	1.3	19
38	Strength and transport characteristics of volcanic pumice powder based high strength concrete. <i>Construction and Building Materials</i> , <b>2019</b> , 216, 314-324	6.7	56
37	A comprehensive review of disputes prevention and resolution in construction projects. <i>MATEC Web of Conferences</i> , <b>2019</b> , 270, 05012	0.3	13
36	Implementation Phase Safety System for Minimising Construction Project Waste. <i>Buildings</i> , <b>2019</b> , 9, 25	3.2	14

35	Effect of internal curing on behavior of high performance concrete: An overview. <i>Case Studies in Construction Materials</i> , <b>2019</b> , 10, e00229	2.7	17
34	Contractors' attitudes towards the factors affecting sustainability performance: Evidence from Palestine. <i>Business Strategy and Development</i> , <b>2019</b> , 2, 173-179	2.1	9
33	Properties of concrete containing recycled seashells as cement partial replacement: A review. <i>Journal of Cleaner Production</i> , <b>2019</b> , 237, 117723	10.3	45
32	Properties of ultra-high-performance fiber-reinforced concrete (UHPFRC) review paper <b>2019</b> ,		16
31	Tender Pricing of Infrastructure Projects: Affecting Factors <b>2019</b> ,		1
30	Challenges Facing Small-sized Construction Firms in the Gaza Strip. <i>Open Civil Engineering Journal</i> , <b>2019</b> , 13, 51-57	0.8	12
29	Factors Affecting Defects Occurrence in Structural Design Stage of Residential Buildings in Gaza Strip. <i>Open Civil Engineering Journal</i> , <b>2019</b> , 13, 129-139	0.8	7
28	Limitation Factors of Building Information Modeling (BIM) Implementation. <i>Open Construction and Building Technology Journal</i> , <b>2019</b> , 13, 189-196	1.1	5
27	Effect of Incorporating Pottery and Bottom Ash as Partial Replacement of Cement. <i>Karbala International Journal of Modern Science</i> , <b>2019</b> , 5,	4.6	20
26	Reconstruction of residential buildings post-disaster: A comparison of influencing factors <b>2019</b> ,		4
25	Effect of recycled glass powder on properties of cementitious materials contains styrene butadiene rubber. <i>Arabian Journal of Geosciences</i> , <b>2019</b> , 12, 1	1.8	13
24	Pull-out behavior of post installed rebar connections using chemical adhesives and cement based binders. <i>Journal of King Saud University, Engineering Sciences</i> , <b>2019</b> , 31, 332-339	2.2	6
23	Workability, Setting Time and Strength of High-Strength Concrete Containing High Volume of Palm Oil Fuel Ash. <i>Open Civil Engineering Journal</i> , <b>2018</b> , 12, 35-46	0.8	46
22	Factors Affecting the Success of Construction Projects in Gaza Strip. <i>Open Civil Engineering Journal</i> , <b>2018</b> , 12, 301-315	0.8	29
21	Success Factors and Barriers of Last Planner System Implementation in the Gaza Strip Construction Industry. <i>Open Construction and Building Technology Journal</i> , <b>2018</b> , 12, 389-403	1.1	17
20	Effects of marble, timber, and glass powder as partial replacements for cement. <i>Journal of Civil Engineering and Construction</i> , <b>2018</b> , 7, 63	1.4	31
19	Influence of Pottery Clay in Cement Mortar and Concrete Mixture: A Review. <i>International Journal of Engineering and Technology(UAE)</i> , <b>2018</b> , 7, 67	0.8	8
18	Pozzolanic reactivity of ultrafine palm oil fuel ash waste on strength and durability performances of high strength concrete. <i>Journal of Cleaner Production</i> , <b>2017</b> , 144, 511-522	10.3	96



17	Physical and mechanical properties of self-compacting concrete containing superplasticizer and metakaolin. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 271, 012004	0.4	17
16	Efficiency of treated and untreated palm oil fuel ash as a supplementary binder on engineering and fluid transport properties of high-strength concrete. <i>Construction and Building Materials</i> , <b>2016</b> , 125, 1066-1079	6.7	59
15	Assessment of Adhesion between RPC Overlay and Existing Concrete Substrate. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 802, 95-100	0.3	1
14	Existing concrete textures: their effect on adhesion with fibre concrete overlay. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , <b>2014</b> , 167, 355-368	0.9	5
13	Improving the Engineering and Fluid Transport Properties of Ultra-High Strength Concrete Utilizing Ultrafine Palm Oil Fuel Ash. <i>Journal of Advanced Concrete Technology</i> , <b>2014</b> , 12, 127-137	2.3	44
12	Microstructural analysis of the adhesion mechanism between old concrete substrate and UHPFC. <i>Journal of Adhesion Science and Technology</i> , <b>2014</b> , 28, 1846-1864	2	40
11	Utilization of Ultra-high Performance Fibre Concrete (UHPFC) for Rehabilitation [A Review]. <i>Procedia Engineering</i> , <b>2013</b> , 54, 525-538		72
10	Evaluation of Bond Strength between Normal Concrete Substrate and Ultra High Performance Fiber Concrete as a Repair Material. <i>Procedia Engineering</i> , <b>2013</b> , 54, 554-563		78
9	Characterization of the interfacial bond between old concrete substrate and ultra high performance fiber concrete repair composite. <i>Materials and Structures/Materiaux Et Constructions</i> , <b>2013</b> , 46, 743-753	3.4	84
8	The relationship between substrate roughness parameters and bond strength of ultra high-performance fiber concrete. <i>Journal of Adhesion Science and Technology</i> , <b>2013</b> , 27, 1790-1810	2	39
7	Flexural Strength Behavior of Composite UHPFC - Existing Concrete. <i>Advanced Materials Research</i> , <b>2013</b> , 701, 32-36	0.5	9
6	Mechanical and permeability properties of the interface between normal concrete substrate and ultra high performance fiber concrete overlay. <i>Construction and Building Materials</i> , <b>2012</b> , 36, 538-548	6.7	183
5	The Role of Silica Fume in the Adhesion of Concrete Restoration Systems. <i>Advanced Materials Research</i> , <b>2012</b> , 626, 265-269	0.5	17
4	Major causes of problems between contractors and subcontractors in the Gaza Strip. <i>Journal of Financial Management of Property and Construction</i> , <b>2012</b> , 17, 92-112	1.5	25
3	Subcontractor Prequalification Practices in Palestine. <i>International Journal of Construction Management</i> , <b>2010</b> , 10, 45-74	1.9	23
2	Chemical attack on concrete containing a high volume of crumb rubber as a partial replacement to fine aggregate in engineered cementitious composite (ECC). <i>Canadian Journal of Civil Engineering</i> ,	1.3	7
1	Role of expanded clay aggregate, metakaolin and silica fume on the of modified lightweight concrete properties. <i>Geosystem Engineering</i> , 1-12	1.2	4