

Y H Mugahed Amran

List of Publications by Year in Descending Order

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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.

117
papers

2,297
citations

23
h-index

44
g-index

134
ext. papers

4,049
ext. citations

3.7
avg, IF

6.32
L-index

#	Paper	IF	Citations
117	Effect of slag coal ash and foamed glass on the mechanical properties of two-stage concrete. <i>Materials Today: Proceedings</i> , 2022 ,	1.4	2
116	Cement kiln dust 2022 , 451-479		1
115	Flexural Strength of Concrete Beam Reinforced with CFRP Bars: A Review.. <i>Materials</i> , 2022 , 15,	3.5	4
114	Structural behavior of piles under vehicular collision load on bridge substructure [A case study. <i>Case Studies in Construction Materials</i> , 2022 , 16, e00936	2.7	0
113	Fire resistance of geopolymers concrete: A critical review. <i>Construction and Building Materials</i> , 2022 , 324, 126722	6.7	6
112	Four-component high-strength polymineral binders. <i>Construction and Building Materials</i> , 2022 , 316, 125934	3.4	3
111	Fiber-reinforced alkali-activated concrete: A review. <i>Journal of Building Engineering</i> , 2022 , 45, 103638	5.2	16
110	3D-printable alkali-activated concretes for building applications: A critical review. <i>Construction and Building Materials</i> , 2022 , 319, 126126	6.7	3
109	A Sustainable Reuse of Agro-Industrial Wastes into Green Cement Bricks.. <i>Materials</i> , 2022 , 15,	3.5	4
108	Modeling of Non-Ferrous Metallurgy Waste Disposal with the Production of Iron Silicides and Zinc Distillation.. <i>Materials</i> , 2022 , 15,	3.5	2
107	Determination of Buckling Behavior of Web-Stiffened Cold-Formed Steel Built-Up Column under Axial Compression.. <i>Materials</i> , 2022 , 15,	3.5	1
106	A Review on Building Design as a Biomedical System for Preventing COVID-19 Pandemic. <i>Buildings</i> , 2022 , 12, 582	3.2	1
105	Artificial Neural Network-Forecasted Compression Strength of Alkaline-Activated Slag Concretes. <i>Sustainability</i> , 2022 , 14, 5214	3.6	4
104	Drop Weight Impact Test on Prepacked Aggregate Fibrous Concrete-An Experimental Study.. <i>Materials</i> , 2022 , 15,	3.5	3
103	Removing Pollutants from Sewage Waters with Ground Apricot Kernel Shell Material. <i>Materials</i> , 2022 , 15, 3428	3.5	0
102	An ultra-lightweight cellular concrete for geotechnical applications [A review. <i>Case Studies in Construction Materials</i> , 2022 , 16, e01096	2.7	0
101	Fresh and mechanical properties of low-cement mortars for 3D printing. <i>Construction and Building Materials</i> , 2022 , 338, 127644	6.7	1

100	Utilization of recycled carbon fiber reinforced polymer in cementitious composites: A critical review. <i>Journal of Building Engineering</i> , 2022 , 53, 104583	5.2	2
99	Fire spalling behavior of high-strength concrete: A critical review. <i>Construction and Building Materials</i> , 2022 , 341, 127902	6.7	0
98	Retrofitting RC beams using high-early strength alkali-activated concrete. <i>Case Studies in Construction Materials</i> , 2022 , 17, e01194	2.7	0
97	Performance of Steel-Bolt-Connected Industrialized Building System Frame Subjected to Hydrodynamic Force. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 5093	2.6	0
96	Effect of Needle Type, Number of Layers on FPAFC Composite against Low-Velocity Projectile Impact. <i>Buildings</i> , 2021 , 11, 668	3.2	6
95	Experimental Investigation on Geopolymer Concrete with Various Sustainable Mineral Ashes.. <i>Materials</i> , 2021 , 14,	3.5	1
94	Mechanical Properties of High-Performance Hybrid Fibre-Reinforced Concrete at Elevated Temperatures. <i>Sustainability</i> , 2021 , 13, 13392	3.6	2
93	Faience Waste for the Production of Wall Products. <i>Materials</i> , 2021 , 14,	3.5	2
92	Foam Glass Crystalline Granular Material from a Polymineral Raw Mix. <i>Crystals</i> , 2021 , 11, 1447	2.3	0
91	The Effect of Superabsorbent Polymer and Nano-Silica on the Properties of Blended Cement. <i>Crystals</i> , 2021 , 11, 1394	2.3	3
90	Palm Oil Fuel Ash-Based Eco-Friendly Concrete Composite: A Critical Review of the Long-Term Properties. <i>Materials</i> , 2021 , 14,	3.5	7
89	Prediction of Pore Volume Dispersion and Microstructural Characteristics of Concrete Using Image Processing Technique. <i>Crystals</i> , 2021 , 11, 1476	2.3	0
88	3D-Printed Mortars with Combined Steel and Polypropylene Fibers. <i>Fibers</i> , 2021 , 9, 79	3.7	6
87	Improving the Early Properties of Treated Soft Kaolin Clay with Palm Oil Fuel Ash and Gypsum. <i>Sustainability</i> , 2021 , 13, 10910	3.6	4
86	Increasing the Performance of a Fiber-Reinforced Concrete for Protective Facilities. <i>Fibers</i> , 2021 , 9, 64	3.7	3
85	Experimental Investigation and Image Processing to Predict the Properties of Concrete with the Addition of Nano Silica and Rice Husk Ash. <i>Crystals</i> , 2021 , 11, 1230	2.3	5
84	Utilization of Biomass to Ash: An Overview of the Potential Resources for Alternative Energy. <i>Materials</i> , 2021 , 14,	3.5	1
83	Thermal Behavior and Energy Efficiency of Modified Concretes in the Tropical Climate: A Systemic Review. <i>Sustainability</i> , 2021 , 13, 11957	3.6	2

82	Nano- and Micro-Modification of Building Reinforcing Bars of Various Types. <i>Crystals</i> , 2021 , 11, 323	2.3	5
81	PERFORMANCE OF SUSTAINABLE GREEN CONCRETE INCORPORATED WITH FLY ASH, RICE HUSK ASH, AND STONE DUST. <i>Acta Polytechnica</i> , 2021 , 61, 279-291	1	22
80	Thermal Performance of Structural Lightweight Concrete Composites for Potential Energy Saving. <i>Crystals</i> , 2021 , 11, 461	2.3	8
79	Full-range bondstress-slip model for externally bonded FRP plates including a frictional component. <i>Composite Structures</i> , 2021 , 262, 113372	5.3	3
78	Increase the Performances of Lime Finishing Mixes Due to Modification with Calcium Silicate Hydrates. <i>Crystals</i> , 2021 , 11, 399	2.3	7
77	Low-velocity impact response of novel prepacked expanded clay aggregate fibrous concrete produced with carbon nano tube, glass fiber mesh and steel fiber. <i>Construction and Building Materials</i> , 2021 , 284, 122749	6.7	24
76	Capacity to Develop Recycled Aggregate Concrete in South East Asia. <i>Buildings</i> , 2021 , 11, 234	3.2	9
75	Combined Effect of Multi-Walled Carbon Nanotubes, Steel Fibre and Glass Fibre Mesh on Novel Two-Stage Expanded Clay Aggregate Concrete against Impact Loading. <i>Crystals</i> , 2021 , 11, 720	2.3	19
74	Design Strategy for Recycled Aggregate Concrete: A Review of Status and Future Perspectives. <i>Crystals</i> , 2021 , 11, 695	2.3	8
73	Optimization of fresh properties and durability of the green gypsum-cement paste. <i>Construction and Building Materials</i> , 2021 , 287, 123035	6.7	13
72	Application of Plastic Wastes in Construction Materials: A Review Using the Concept of Life-Cycle Assessment in the Context of Recent Research for Future Perspectives. <i>Materials</i> , 2021 , 14,	3.5	17
71	Effect of an Aluminosilicate Disperse Additive on Behaviors of Autoclave Silicate Materials. <i>Buildings</i> , 2021 , 11, 239	3.2	5
70	Influence of steam curing regimes on the properties of ultrafine POFA-based high-strength green concrete. <i>Journal of Building Engineering</i> , 2021 , 38, 102204	5.2	22
69	The level of Building Information Modelling (BIM) Implementation in Malaysia. <i>Ain Shams Engineering Journal</i> , 2021 , 12, 455-463	4.4	28
68	Enhancing performances of clay masonry materials based on nanosize mine waste. <i>Construction and Building Materials</i> , 2021 , 269, 121333	6.7	15
67	Fly ash-based eco-friendly geopolymer concrete: A critical review of the long-term durability properties. <i>Construction and Building Materials</i> , 2021 , 270, 121857	6.7	76
66	Experimental Investigation on Composite Deck Slab Made of Cold-Formed Profiled Steel Sheeting. <i>Metals</i> , 2021 , 11, 229	2.3	4
65	Repeated Projectile Impact Tests on Multi-Layered Fibrous Cementitious Composites. <i>International Journal of Civil Engineering</i> , 2021 , 19, 635-651	1.9	21

64	Evaluation of Mode II Fracture Toughness of Hybrid Fibrous Geopolymer Composites. <i>Materials</i> , 2021 , 14,	3.5	25
63	Use of Recycled Concrete Aggregates in Production of Green Cement-Based Concrete Composites: A Review. <i>Crystals</i> , 2021 , 11, 232	2.3	30
62	Slag uses in making an ecofriendly and sustainable concrete: A review. <i>Construction and Building Materials</i> , 2021 , 272, 121942	6.7	34
61	Rice Husk Ash-Based Concrete Composites: A Critical Review of Their Properties and Applications. <i>Crystals</i> , 2021 , 11, 168	2.3	25
60	Long-Term Strength Development of Fly Ash-Based One-Part Alkali-Activated Binders. <i>Materials</i> , 2021 , 14,	3.5	10
59	Fly Ash-Based Eco-Efficient Concretes: A Comprehensive Review of the Short-Term Properties. <i>Materials</i> , 2021 , 14,	3.5	33
58	Rheological Behavior and Strength Characteristics of Cement Paste and Mortar with Fly Ash and GGBS Admixtures. <i>Sustainability</i> , 2021 , 13, 9600	3.6	6
57	Self-Healing Construction Materials: The Geomimetic Approach. <i>Sustainability</i> , 2021 , 13, 9033	3.6	2
56	Improving the Hardened Properties of Nonautoclaved Silicate Materials Using Nanodispersed Mine Waste. <i>Journal of Materials in Civil Engineering</i> , 2021 , 33, 04021214	3	9
55	Standard and modified falling mass impact tests on preplaced aggregate fibrous concrete and slurry infiltrated fibrous concrete. <i>Construction and Building Materials</i> , 2021 , 298, 123857	6.7	21
54	Sound-Absorbing Acoustic Concretes: A Review. <i>Sustainability</i> , 2021 , 13, 10712	3.6	4
53	Effect of the addition of nano glass powder on the compressive strength of high volume fly ash modified concrete. <i>Materials Today: Proceedings</i> , 2021 , 48, 1789-1789	1.4	8
52	Effect of nanomaterials inclusion on sustainability of cement-based concretes: A comprehensive review. <i>Construction and Building Materials</i> , 2021 , 306, 124850	6.7	22
51	Long-term durability properties of geopolymer concrete: An in-depth review. <i>Case Studies in Construction Materials</i> , 2021 , 15, e00661	2.7	8
50	Acoustic Properties of Innovative Concretes: A Review. <i>Materials</i> , 2021 , 14,	3.5	16
49	Impact Response of Preplaced Aggregate Fibrous Concrete Hammerhead Pier Beam Designed with Topology Optimization. <i>Crystals</i> , 2021 , 11, 147	2.3	10
48	Palm Oil Fuel Ash-Based Eco-Efficient Concrete: A Critical Review of the Short-Term Properties. <i>Materials</i> , 2021 , 14,	3.5	20
47	Impact Resistance of Functionally Layered Two-Stage Fibrous Concrete. <i>Fibers</i> , 2021 , 9, 88	3.7	4

46	Impact Resistance of Polypropylene Fibre-Reinforced Alkali-Activated Copper Slag Concrete.. <i>Materials</i> , 2021 , 14,	3.5	3
45	Structural Behavior of Fibrous-Ferrocement Panel Subjected to Flexural and Impact Loads. <i>Materials</i> , 2020 , 13,	3.5	8
44	Production of Greener High-Strength Concrete Using Russian Quartz Sandstone Mine Waste Aggregates. <i>Materials</i> , 2020 , 13,	3.5	21
43	A Critical Review on the Properties and Applications of Sulfur-Based Concrete. <i>Materials</i> , 2020 , 13,	3.5	18
42	Effect of the plate bondstress-slip property on the flexural strength of FRP Plated RC beams using a displacement-based approach. <i>SN Applied Sciences</i> , 2020 , 2, 1	1.8	3
41	Performance investigation of high-proportion Saudi-fly-ash-based concrete. <i>Results in Engineering</i> , 2020 , 6, 100118	3.3	17
40	BIM benefits and its influence on the BIM implementation in Malaysia. <i>Ain Shams Engineering Journal</i> , 2020 , 11, 1013-1019	4.4	58
39	Strengthening the Structural Behavior of Web Openings in RC Deep Beam Using CFRP. <i>Materials</i> , 2020 , 13,	3.5	11
38	Influence of structural parameters on the properties of fibred-foamed concrete. <i>Innovative Infrastructure Solutions</i> , 2020 , 5, 1	2.3	15
37	Properties and water penetration of structural concrete wrapped with CFRP. <i>Results in Engineering</i> , 2020 , 5, 100094	3.3	10
36	Performance properties of structural fibred-foamed concrete. <i>Results in Engineering</i> , 2020 , 5, 100092	3.3	27
35	Bituminous mineral compositions for paving with cullet. <i>Case Studies in Construction Materials</i> , 2020 , 12, e00317	2.7	1
34	RC beam strengthening using hinge and anchorage approach. <i>Results in Materials</i> , 2020 , 5, 100047	2.3	1
33	Clean production and properties of geopolymers concrete; A review. <i>Journal of Cleaner Production</i> , 2020 , 251, 119679	10.3	176
32	Renewable and sustainable energy production in Saudi Arabia according to Saudi Vision 2030; Current status and future prospects. <i>Journal of Cleaner Production</i> , 2020 , 247, 119602	10.3	53
31	Impact performance of novel multi-layered prepacked aggregate fibrous composites under compression and bending. <i>Structures</i> , 2020 , 28, 1502-1515	3.4	34
30	Design Efficiency, Characteristics, and Utilization of Reinforced Foamed Concrete: A Review. <i>Crystals</i> , 2020 , 10, 948	2.3	12
29	Impact response of two-layered grouted aggregate fibrous concrete composite under falling mass impact. <i>Construction and Building Materials</i> , 2020 , 263, 120628	6.7	50

28	Flexural behavior of rubberized concrete interlocking masonry walls under out-of-plane load. <i>Construction and Building Materials</i> , 2020 , 263, 120661	6.7	9
27	Fibre-Reinforced Foamed Concretes: A Review. <i>Materials</i> , 2020 , 13,	3.5	49
26	Structural Performance of Shear Loaded Precast EPS-Foam Concrete Half-Shaped Slabs. <i>Sustainability</i> , 2020 , 12, 9679	3.6	4
25	Flexural Behavior of Double-Skin Steel Tube Beams Filled with Fiber-Reinforced Cementitious Composite and Strengthened with CFRP Sheets. <i>Materials</i> , 2020 , 13,	3.5	14
24	Deformation Properties of Rubberized ECC Incorporating Nano Graphene Using Response Surface Methodology. <i>Materials</i> , 2020 , 13,	3.5	11
23	Acid and Sulphate Attacks on a Rubberized Engineered Cementitious Composite Containing Graphene Oxide. <i>Materials</i> , 2020 , 13,	3.5	14
22	Design innovation, efficiency and applications of structural insulated panels: A review. <i>Structures</i> , 2020 , 27, 1358-1379	3.4	14
21	Simulation of ultra-high-performance concrete mixed with hematite and barite aggregates using Monte Carlo for dry cask storage. <i>Construction and Building Materials</i> , 2020 , 263, 120161	6.7	14
20	Development of Bacterium for Crack Healing and Improving Properties of Concrete under WetDry and Full-Wet Curing. <i>Sustainability</i> , 2020 , 12, 10346	3.6	7
19	Characteristic compressive strength correlation of rubberized concrete interlocking masonry wall. <i>Structures</i> , 2020 , 26, 169-184	3.4	17
18	Improving the behaviors of foam concrete through the use of composite binder. <i>Journal of Building Engineering</i> , 2020 , 31, 101414	5.2	30
17	Flexural performance of wire mesh and geotextile-strengthened reinforced concrete beam. <i>SN Applied Sciences</i> , 2019 , 1, 1	1.8	10
16	Mechanics-based approach for predicting the short-term deflection of CFRP plated RC beams. <i>Composite Structures</i> , 2019 , 225, 111169	5.3	17
15	Strengthening of reinforced concrete beams by using fiber-reinforced polymer composites: A review. <i>Journal of Building Engineering</i> , 2019 , 25, 100798	5.2	85
14	Influence of slenderness ratio on the structural performance of lightweight foam concrete composite panel. <i>Case Studies in Construction Materials</i> , 2019 , 10, e00226	2.7	7
13	Analytical mechanics solution for measuring the deflection of strengthened RC beams using FRP plates. <i>Case Studies in Construction Materials</i> , 2019 , 11, e00272	2.7	7
12	Properties and utilizations of waste tire rubber in concrete: A review. <i>Construction and Building Materials</i> , 2019 , 224, 711-731	6.7	115
11	Flexural strength of FRP plated RC beams using a partial-interaction displacement-based approach. <i>Structures</i> , 2019 , 22, 405-420	3.4	8

10	Short-term deflection of RC beams using a discrete rotation approach. <i>International Journal of Advanced Structural Engineering</i> , 2019 , 11, 473-490	2	4
9	Radiation shielding of ultra-high-performance concrete with silica sand, amang and lead glass. <i>Construction and Building Materials</i> , 2018 , 172, 370-377	6.7	44
8	Structural Performance of Precast Foamed Concrete Sandwich Panel Subjected to Axial Load. <i>KSCE Journal of Civil Engineering</i> , 2018 , 22, 1179-1192	1.9	17
7	Properties and applications of FRP in strengthening RC structures: A review. <i>Structures</i> , 2018 , 16, 208-238	3.4	98
6	Response of precast foamed concrete sandwich panels to flexural loading. <i>Journal of Building Engineering</i> , 2016 , 7, 143-158	5.2	39
5	Structural behavior of axially loaded precast foamed concrete sandwich panels. <i>Construction and Building Materials</i> , 2016 , 107, 307-320	6.7	45
4	FLEXURAL STRENGTH OF SPECIAL REINFORCED LIGHTWEIGHT CONCRETE BEAM FOR INDUSTRIALISED BUILDING SYSTEM (IBS). <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015 , 77,	1.2	6
3	Properties and applications of foamed concrete; a review. <i>Construction and Building Materials</i> , 2015 , 101, 990-1005	6.7	378
2	Study of Topology Optimized Hammerhead Pier Beam Made with Novel Preplaced Aggregate Fibrous Concrete. <i>Periodica Polytechnica: Civil Engineering</i> ,	1.2	8
1	Estimation of the Probability of Cracking of Facade Coatings. <i>Materials Science Forum</i> , 1037 , 675-683	0.4	