Yousef A Al-Salloum

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1859868/publications.pdf

Version: 2024-02-01

125 papers	4,655 citations	81839 39 h-index	114418 63 g-index
125 all docs	125 docs citations	125 times ranked	2724 citing authors

#	Article	IF	Citations
1	Residual compressive strength of plain and fiber reinforced concrete after exposure to different heating and cooling regimes. European Journal of Environmental and Civil Engineering, 2022, 26, 6746-6765.	1.0	6
2	Behavior of Metakaolin-Based geopolymer concrete at ambient and elevated temperatures. Construction and Building Materials, 2022, 317, 125910.	3.2	44
3	Behavior of axially loaded L-shaped RC columns strengthened using steel jacketing. Journal of Building Engineering, 2022, 47, 103870.	1.6	8
4	Bond Performance of GFRP Bar-Splicing in Reinforced Concrete Beams. Journal of Composites for Construction, 2022, 26, .	1.7	8
5	Role of recycled vehicle tires quantity and size on the properties of metakaolin-based geopolymer rubberized concrete. Journal of Materials Research and Technology, 2022, 18, 2593-2607.	2.6	17
6	Experimental and FE study on strengthened steel beam-column joints for progressive collapse robustness under column-loss event. Engineering Structures, 2022, 258, 114103.	2.6	10
7	Impact behavior of hybrid-fiber reinforced concrete beams. Structures, 2022, 39, 782-792.	1.7	9
8	Effectiveness of GFRP strengthening of normal and high strength fiber reinforced concrete after exposure to heating and cooling. Engineering Science and Technology, an International Journal, 2022, 36, 101147.	2.0	5
9	Influence of Treatment Methods of Recycled Concrete Aggregate on Behavior of High Strength Concrete. Buildings, 2022, 12, 494.	1.4	9
10	Experimental and analytical study of flexural performance of concrete beams reinforced with hybrid of GFRP and steel rebars. Engineering Failure Analysis, 2022, 138, 106397.	1.8	18
11	Biocementation by Sporosarcina pasteurii ATCC6453 under simulated conditions in sand columns. Journal of Materials Research and Technology, 2022, 18, 4375-4384.	2.6	7
12	Experimental investigation for GFRP rebar couplers for reinforced concrete. Journal of King Saud University, Engineering Sciences, 2021, 33, 104-110.	1.2	6
13	Finite element analysis for progressive collapse potential of precast concrete beam-to-column connections strengthened with steel plates. Journal of Building Engineering, 2021, 34, 101875.	1.6	15
14	Influence of Critical Parameters of Mix Proportions on Properties of MK-Based Geopolymer Concrete. Arabian Journal for Science and Engineering, 2021, 46, 4399-4408.	1.7	19
15	Hybrid UHPC/NSM CFRP strips vs. traditional systems for flexural upgrading of RC beams â€“ Experimental and FE study. Composite Structures, 2021, 261, 113291.	3.1	9
16	Stabilization of sand using energy efficient materials under normal and extreme hot weathers. Journal of Cleaner Production, 2021, 285, 124914.	4.6	5
17	Characteristics of metakaolin-based geopolymer concrete for different mix design parameters. Journal of Materials Research and Technology, 2021, 10, 84-98.	2.6	90
18	Upgrading of precast RC beam-column joints using innovative FRP/steel hybrid technique for progressive collapse prevention. Construction and Building Materials, 2021, 268, 121130.	3.2	18

#	Article	IF	Citations
19	Progressive collapse risk of 2D and 3D steel-frame assemblies having shear connections. Journal of Constructional Steel Research, 2021, 179, 106533.	1.7	18
20	Compression behavior and modeling of FRP-confined high strength geopolymer concrete. Construction and Building Materials, 2021, 283, 122759.	3.2	12
21	Performance of new CFST square column-to-foundation connections for cyclic loads. Journal of Constructional Steel Research, 2021, 185, 106868.	1.7	4
22	Treatment of recycled concrete aggregate to enhance concrete performance. Construction and Building Materials, 2021, 307, 124960.	3.2	47
23	Behavior of novel CFST circular column-to-foundation connections under cyclic loading. Engineering Structures, 2020, 221, 111051.	2.6	11
24	Enzyme-Induced Carbonate Precipitation (EICP)-Based methods for ecofriendly stabilization of different types of natural sands. Journal of Cleaner Production, 2020, 274, 122627.	4.6	54
25	Bond performance of GFRP and steel rebars embedded in metakaolin based geopolymer concrete. Structures, 2020, 27, 1582-1593.	1.7	31
26	Bond strength between concrete substrate and metakaolin geopolymer repair mortars at ambient and elevated temperatures. Journal of Materials Research and Technology, 2020, 9, 10732-10745.	2.6	39
27	Compression behavior of FRP-strengthened RC square columns of varying slenderness ratios under eccentric loading. Journal of Building Engineering, 2020, 32, 101512.	1.6	13
28	Investigation of different steel intermediate moment frame connections under column-loss scenario. Thin-Walled Structures, 2020, 154, 106875.	2.7	39
29	Development limitations of compressive arch and catenary actions in reinforced concrete special moment resisting frames under column-loss scenarios. Structure and Infrastructure Engineering, 2020, 16, 1616-1634.	2.0	12
30	Assessment of progressive collapse potential of special moment resisting RC frames â€“ Experimental and FE study. Engineering Failure Analysis, 2019, 105, 896-918.	1.8	30
31	Organic versus inorganic matrix composites for bond-critical strengthening applications of RC structures â€“ State-of-the-art review. Composites Part B: Engineering, 2019, 174, 106947.	5.9	29
32	Experimental and analytical study of strengthening schemes for shear deficient RC deep beams. Construction and Building Materials, 2019, 216, 673-686.	3.2	30
33	ANN models for prediction of residual strength of HSC after exposure to elevated temperature. Fire Safety Journal, 2019, 106, 13-28.	1.4	35
34	Experimental and numerical study on FRP-upgraded RC beams with large rectangular web openings in shear zones. Construction and Building Materials, 2019, 194, 322-343.	3.2	45
35	Strengthening of precast RC beam-column connections for progressive collapse mitigation using bolted steel plates. Engineering Structures, 2018, 161, 146-160.	2.6	57
36	Effectiveness of CFRP Strengthening in Improving Cyclic Compression Response of Slender RC Columns. Journal of Composites for Construction, 2018, 22, .	1.7	16

#	Article	IF	Citations
37	Reliability Assessment of HFRC Slabs Against Projectile Impact. International Journal of Concrete Structures and Materials, 2018, 12, .	1.4	8
38	Behavior of FRP-Strengthened RC Beams with Large Rectangular Web Openings in Flexure Zones: Experimental and Numerical Study. International Journal of Concrete Structures and Materials, 2018, 12, .	1.4	22
39	Experimental Investigation on Vulnerability of Precast RC Beam-column Joints to Progressive Collapse. KSCE Journal of Civil Engineering, 2018, 22, 3995-4010.	0.9	21
40	Effect of some biotic factors on microbially-induced calcite precipitation in cement mortar. Saudi Journal of Biological Sciences, 2017, 24, 286-294.	1.8	40
41	Effect of high temperature on structural response of reinforced concrete circular columns strengthened with fiber reinforced polymer composites. Journal of Composite Materials, 2017, 51, 333-355.	1.2	22
42	Experimental investigation of progressive collapse potential of ordinary and special moment-resisting reinforced concrete frames. Materials and Structures/Materiaux Et Constructions, 2017, 50, 1.	1.3	18
43	Local Impact Damage Response of CFRP Strengthened Concrete Slabs. Procedia Engineering, 2017, 173, 85-92.	1.2	7
44	Progressive collapse analysis of a typical RC high-rise tower. Journal of King Saud University, Engineering Sciences, 2017, 29, 313-320.	1.2	15
45	Prediction of Ejected Mass from Hybrid-Fiber Reinforced Concrete Slabs subjected to Impact Loads. Procedia Engineering, 2017, 173, 77-84.	1.2	5
46	Investigation of precast RC beam-column assemblies under column-loss scenario. Construction and Building Materials, 2017, 142, 552-571.	3.2	71
47	Bio-induction and bioremediation of cementitious composites using microbial mineral precipitation â€“ A review. Construction and Building Materials, 2017, 154, 857-876.	3.2	76
48	Post-heating response of concrete-filled circular steel columns. KSCE Journal of Civil Engineering, 2017, 21, 1367-1378.	0.9	17
49	Mechanical properties, phase composition and microstructure of activated Metakaolin-slaked lime binder. KSCE Journal of Civil Engineering, 2017, 21, 863-871.	0.9	18
50	Strain Rate Dependent Behavior and Modeling for Compression Response of Hybrid Fiber Reinforced Concrete. Latin American Journal of Solids and Structures, 2016, 13, 1695-1715.	0.6	20
51	Behavior and Design Aspects of FRP-Strengthened URM Walls under Out-of-Plane Loading. Journal of Composites for Construction, 2016, 20, .	1.7	25
52	Blast response of GFRP-strengthened infill masonry walls. Construction and Building Materials, 2016, 115, 438-451.	3.2	57
53	Effect of elevated temperature environments on the residual axial capacity of RC columns strengthened with different techniques. Construction and Building Materials, 2016, 115, 345-361.	3.2	43
54	Analytical and experimental investigations on the fracture behavior of hybrid fiber reinforced concrete. Cement and Concrete Composites, 2016, 74, 201-217.	4.6	78

#	Article	IF	Citations
55	Mechanical properties of hybrid fibre-reinforced concrete â€“ analytical modelling and experimental behaviour. Magazine of Concrete Research, 2016, 68, 823-843.	0.9	74
56	Discussion: Mechanical properties of hybrid fibre-reinforced concrete â€“ analytical modelling and experimental behaviour. Magazine of Concrete Research, 2016, 68, 1183-1186.	0.9	12
57	TRM Versus FRP as Strengthening Material for Improving Impact Resistance of RC Slabs. , 2016, , .		2
58	Shear strength prediction of HSC slender beams without web reinforcement. Materials and Structures/Materiaux Et Constructions, 2016, 49, 3749-3772.	1.3	21
59	Progressive Collapse Analysis of RC Buildings against Internal Blast. Advances in Structural Engineering, 2015, 18, 2181-2192.	1.2	17
60	Effect of CFRP and TRM Strengthening of RC Slabs on Punching Shear Strength. Latin American Journal of Solids and Structures, 2015, 12, 1616-1640.	0.6	16
61	Effect of Longitudinal Steel Ratio on Behavior of RC Beams Strengthened with FRP Composites: Experimental and FE Study. Journal of Composites for Construction, 2015, 19, .	1.7	14
62	Structural evaluation of reinforced concrete beams strengthened with innovative bolted/bonded advanced frp composites sandwich panels. Composite Structures, 2015, 124, 421-440.	3.1	33
63	Ductility damage indices based on seismic performance of RC frames. Soil Dynamics and Earthquake Engineering, 2015, 77, 226-237.	1.9	14
64	Effect of CFRP strengthening on the response of RC slabs to hard projectile impact. Nuclear Engineering and Design, 2015, 286, 211-226.	0.8	33
65	Effectiveness of hybrid-fibers in improving the impact resistance of RC slabs. International Journal of Impact Engineering, 2015, 81, 61-73.	2.4	57
66	Closure to â€œPrediction of Intermediate Crack Debonding Strain of Externally Bonded FRP Laminates in RC Beams and One-Way Slabsâ€•by H. M. Elsanadedy, H. Abbas, Y. A. Al-Salloum, and T. H. Almusallam. Journal of Composites for Construction, 2015, 19, 07014004.	1.7	2
67	Experimental and FE study on RC one-way slabs upgraded with FRP composites. KSCE Journal of Civil Engineering, 2015, 19, 1024-1040.	0.9	22
68	Rate dependent behavior and modeling of concrete based on SHPB experiments. Cement and Concrete Composites, 2015, 55, 34-44.	4.6	158
69	Prediction of Intermediate Crack Debonding Strain of Externally Bonded FRP Laminates in RC Beams and One-Way Slabs. Journal of Composites for Construction, 2014, 18, .	1.7	39
70	Experimental and numerical investigation for compression response of CFRP strengthened shape modified wall-like RC column. Construction and Building Materials, 2014, 63, 72-80.	3.2	29
71	Effect of nano-metakaolin addition on the hydration characteristics of fly ash blended cement mortar. Journal of Thermal Analysis and Calorimetry, 2014, 116, 845-852.	2.0	41
72	Reliability of RC shielded steel plates against the impact of sharp nose projectiles. International Journal of Impact Engineering, 2014, 69, 122-135.	2.4	26

#	Article	IF	Citations
73	Free vibration of tapered beams and plates based on unified beam theory. JVC/Journal of Vibration and Control, 2014, 20, 2450-2463.	1.5	8
74	Experimental investigation of slender circular RC columns strengthened with FRP composites. Construction and Building Materials, 2014, 69, 323-334.	3.2	73
75	Effect of Sodium Silicate to Sodium Hydroxide Ratios on Strength and Microstructure of Fly Ash Geopolymer Binder. Arabian Journal for Science and Engineering, 2014, 39, 4333-4339.	1.1	149
76	Progressive collapse potential of a typical steel building due to blast attacks. Journal of Constructional Steel Research, 2014, 101, 143-157.	1.7	75
77	Investigations on the influence of radial confinement in the impact response of concrete. Computers and Concrete, 2014, 14, 675-694.	0.7	3
78	Experimental and numerical investigation for the flexural strengthening of RC beams using near-surface mounted steel or GFRP bars. Construction and Building Materials, 2013, 40, 145-161.	3.2	61
79	Flexural strengthening of RC beams using textile reinforced mortar â€“ Experimental and numerical study. Composite Structures, 2013, 97, 40-55.	3.1	210
80	Prediction of punching shear strength of HSC interior slab-column connections. KSCE Journal of Civil Engineering, 2013, 17, 473-485.	0.9	14
81	Effect of harsh environmental conditions on the tensile properties of GFRP bars. Composites Part B: Engineering, 2013, 45, 835-844.	5.9	129
82	Tensile properties degradation of glass fiber-reinforced polymer bars embedded in concrete under severe laboratory and field environmental conditions. Journal of Composite Materials, 2013, 47, 393-407.	1.2	48
83	Numerical Investigations on the Seismic Behavior of FRP and TRM Upgraded RC Exterior Beam-Column Joints. Journal of Composites for Construction, 2012, 16, 308-321.	1.7	53
84	Experimental and Numerical Study for the Shear Strengthening of Reinforced Concrete Beams Using Textile-Reinforced Mortar. Journal of Composites for Construction, 2012, 16, 74-90.	1.7	156
85	Behavior of blended cement mortars containing nano-metakaolin at elevated temperatures. Construction and Building Materials, 2012, 35, 900-905.	3.2	159
86	Performance of near surface mounted glass fiber reinforced polymer bars in concrete. Journal of Reinforced Plastics and Composites, 2012, 31, 1501-1515.	1.6	17
87	Prediction of strength parameters of FRP-confined concrete. Composites Part B: Engineering, 2012, 43, 228-239.	5.9	62
88	Performance of glass fiber reinforced polymer bars under elevated temperatures. Composites Part B: Engineering, 2012, 43, 2265-2271.	5.9	75
89	Experimental and numerical investigation of size effects in FRP-wrapped concrete columns. Construction and Building Materials, 2012, 29, 56-72.	3.2	122
90	Predicting residual strength of non-linear ultrasonically evaluated damaged concrete using artificial neural network. Construction and Building Materials, 2012, 29, 42-50.	3.2	31

#	Article	IF	Citations
91	Development of eco-friendly binder using metakaolin-fly ashâ€“lime-anhydrous gypsum. Construction and Building Materials, 2012, 35, 772-777.	3.2	42
92	Prediction of compressive strength of concrete using neural networks. Computers and Concrete, 2012, 10, 197-217.	0.7	10
93	Effect of blast loading on CFRP-Retrofitted RC columns - a numerical study. Latin American Journal of Solids and Structures, 2011, 8, 55-81.	0.6	56
94	Characterization of hole-diameter in thin metallic plates perforated by spherical projectiles using genetic algorithms. Archive of Applied Mechanics, 2011, 81, 907-924.	1.2	7
95	Behavior of FRP-confined concrete after high temperature exposure. Construction and Building Materials, 2011, 25, 838-850.	3.2	79
96	Tensile Properties of GFRP Bars after Exposure to Harsh Laboratory and Field Environmental Conditions. Advanced Materials Research, 2011, 250-253, 3738-3742.	0.3	3
97	Textile-Reinforced Mortar versus FRP as Strengthening Material for Seismically Deficient RC Beam-Column Joints. Journal of Composites for Construction, 2011, 15, 920-933.	1.7	125
98	Seismic Behavior of As-Built, ACI-Complying, and CFRP-Repaired Exterior RC Beam-Column Joints. Journal of Composites for Construction, 2011, 15, 522-534.	1.7	41
99	Seismic Rehabilitation of Corner RC Beam-Column Joints Using CFRP Composites. Journal of Composites for Construction, 2010, 14, 681-692.	1.7	24
100	Seismic Response of FRP-Upgraded Exterior RC Beam-Column Joints. Journal of Composites for Construction, 2010, 14, 195-208.	1.7	60
101	Evaluation and Performance of Repair Materials for Rehabilitation of Concrete Structures. Advanced Materials Research, 2010, 163-167, 3820-3825.	0.3	0
102	Progressive collapse analysis of a RC building subjected to blast loads. Structural Engineering and Mechanics, 2010, 36, 301-319.	1.0	30
103	Compressive Strength of FRP-Confined Concrete at Elevated Temperatures. Polymers and Polymer Composites, 2008, 16, 611-620.	1.0	3
104	Seismic Response of Interior RC Beam-Column Joints Upgraded with FRP Sheets. I: Experimental Study. Journal of Composites for Construction, 2007, 11, 575-589.	1.7	66
105	Seismic Response of Interior RC Beam-Column Joints Upgraded with FRP Sheets. II: Analysis and Parametric Study. Journal of Composites for Construction, 2007, 11, 590-600.	1.7	21
106	Behavior of FRP Strengthened Infill Walls under In-Plane Seismic Loading. Journal of Composites for Construction, 2007, 11, 308-318.	1.7	69
107	Influence of edge sharpness on the strength of square concrete columns confined with FRP composite laminates. Composites Part B: Engineering, 2007, 38, 640-650.	5.9	193
108	Creep effect on the behavior of concrete beams reinforced with GFRP bars subjected to different environments. Construction and Building Materials, 2007, 21, 1510-1519.	3.2	37

#	Article	IF	Citations
109	Durability of GFRP Rebars in Concrete Beams under Sustained Loads at Severe Environments. Journal of Composite Materials, 2006, 40, 623-637.	1.2	68
110	Load Capacity of Concrete Masonry Block Walls Strengthened with Epoxy-bonded GFRP Sheets. Journal of Composite Materials, 2005, 39, 1719-1745.	1.2	26
111	Rehabilitation of the Infrastructure Using Composite Materials: Overview and Applications. Journal of King Saud University, Engineering Sciences, 2003, 16, 1-20.	1.2	11
112	Ultimate strength prediction for RC beams externally strengthened by composite materials. Composites Part B: Engineering, 2001, 32, 609-619.	5.9	46
113	Fibre-reinforced polymer repair materialsâ€"some facts. Proceedings of the Institution of Civil Engineers: Civil Engineering, 2000, 138, 131-134.	0.3	15
114	Performance of glass fiber reinforced plastic bars as a reinforcing material for concrete structures. Composites Part B: Engineering, 2000, 31, 555-567.	5.9	138
115	Optimization of flexure environment of concrete beams reinforced with fibre-reinforced plastic rebars. Magazine of Concrete Research, 1996, 48, 27-36.	0.9	4
116	Optimum proportions of built-up wide-flange sections. Journal of Constructional Steel Research, 1996, 36, 151-180.	1.7	0
117	A pseudo-fully stressed design approach for optimum design of steel frames. International Journal for Numerical Methods in Engineering, 1995, 38, 3513-3527.	1.5	3
118	Optimality and safety of rigidly- and flexibly-jointed steel frames. Journal of Constructional Steel Research, 1995, 35, 189-215.	1.7	27
119	A basis for local minima of a symmetric frame topography. Computers and Structures, 1994, 51, 705-712.	2.4	0
120	Optimal retrofitting of rigid frames. Computers and Structures, 1993, 48, 7-13.	2.4	0
121	Is a frame built-up of individual load optimums really optimum and safe?. Computers and Structures, 1993, 48, 15-21.	2.4	0
122	Optimum design of frames under alternate loading condition. Canadian Journal of Civil Engineering, 1993, 20, 778-786.	0.7	2
123	Evaluating Damage of Concrete with Nonlinear Ultrasonic and Acoustic Emission Techniques. Key Engineering Materials, 0, 452-453, 553-556.	0.4	0
124	Improving the Impact Resistance of Reinforced Concrete. Advanced Materials Research, 0, 919-921, 1924-1929.	0.3	6
125	Dynamic Analysis of Tapered Plates Based on Higher Order Beam Theory. Advanced Materials Research, 0, 919-921, 79-82.	0.3	0