Khaled Galal

List of Publications by Year
in descending order

84 papers	1,648 citations	377584 21 h-index	388640 36 g-index
84 all docs	84 docs citations	84 times ranked	1410 citing authors

#	Article	IF	Citations
1	Evaluation of Reinforced Concrete T-Beams Retrofitted in Shear with Mechanically Anchored Dry Carbon Fiber Sheets. Experimental Techniques, 2022, 46, 647-660.	0.9	2
2	Simplified analytical models for partially grouted reinforced masonry shear walls. Engineering Structures, 2022, 252, 113643.	2.6	3
3	Sensitivity of the seismic response of reinforced concrete masonry walls with boundary elements to design parameters. Engineering Structures, 2022, 255, 113953.	2.6	3
4	Stress-Strain Behaviour of Masonry Prisms Constructed with Glass Fibre-Reinforced Grout. Construction and Building Materials, 2021, 267, 120984.	3.2	6
5	Experimental investigation of axial compressive behavior of square and rectangular confined concrete-masonry structural wall boundary elements. Engineering Structures, 2021, 243, 112584.	2.6	6
6	Sensitivity analysis of the numerical simulations of partially grouted reinforced masonry shear walls. Engineering Structures, 2021, 245, 112876.	2.6	8
7	Probabilistic seismic resilience quantification of a reinforced masonry shear wall system with boundary elements under bi-directional horizontal excitations. Engineering Structures, 2021, 247, 113023.	2.6	8
8	Monotonic and cyclic stress-strain models for confined concrete-masonry shear wall boundary elements. Engineering Structures, 2021, 249, 113343.	2.6	0
9	Quantification of the Impact of Detailing on the Performance and Cost of RC Shear Wall Buildings in Regions with High Uncertainty in Seismicity Hazards. Journal of Earthquake Engineering, 2020, 24, 421-446.	1.4	16
10	Seismic Fragility Assessment and Resilience of Reinforced Masonry Flanged Wall Systems. Journal of Performance of Constructed Facilities, 2020, 34, .	1.0	7
11	Numerical study on the seismic response of GFRP and steel reinforced masonry shear walls with boundary elements. Structures, 2020, 28, 1946-1964.	1.7	4
12	Experimental Investigation of Axial Load and Detailing Effects on the Inelastic Response of Reinforced-Concrete Masonry Structural Walls with Boundary Elements. Journal of Structural Engineering, 2020, 146, .	1.7	12
13	System-level seismic resilience assessment of reinforced masonry shear wall buildings with masonry boundary elements. Structures, 2020, 26, 686-702.	1.7	6
14	Material Quantities of Reinforced Masonry versus Reinforced Concrete Shear Walls. Structures, 2020, 27, 767-779.	1.7	7
15	In-plane cyclic response of high-rise reinforced concrete masonry structural walls with boundary elements. Engineering Structures, 2020, 219, 110771.	2.6	5
16	Influence of pre-wetting, non-shrink grout, and scaling on the compressive strength of grouted concrete masonry prisms. Construction and Building Materials, 2020, 241, 117985.	3.2	18
17	Effect of Ductile Shear Wall Ratio and Cross-Section Configuration on Seismic Behavior of Reinforced Concrete Masonry Shear Wall Buildings. Journal of Structural Engineering, 2020, 146, 04020020.	1.7	11
18	Response of Metallic Sandwich Panels to Blast Loads. Journal of Structural Engineering, 2019, 145, 04019145.	1.7	9

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19	Performance of Eccentrically Loaded Reinforced-Concrete Masonry Columns Strengthened Using FRP Wraps. Journal of Composites for Construction, 2019, 23, .	1.7	14
20	In-plane shear strength equation for fully grouted reinforced masonry shear walls. Engineering Structures, 2019, 190, 319-332.	2.6	13
21	Seismic performance parameters of fully grouted reinforced masonry squat shear walls. Engineering Structures, 2019, 187, 518-527.	2.6	14
22	Seismic performance and height limits of ductile reinforced masonry shear wall buildings with boundary elements. Engineering Structures, 2019, 190, 171-188.	2.6	15
23	Stress-strain model for C-shape confined concrete masonry boundary elements of RM shear walls. Engineering Structures, 2019, 183, 1059-1071.	2.6	3
24	Seismic response and lifeâ€¢cycle cost of reinforced concrete special structural wall buildings in Dubai, UAE. Structural Concrete, 2018, 19, 771-782.	1.5	16
25	Effect of reinforcement anchorage end detail and spacing on seismic performance of masonry shear walls. Engineering Structures, 2018, 157, 268-279.	2.6	16
26	Analytical and Experimental Study on Upgrading the Seismic Performance of Reinforced Masonry Columns Using GFRP and CFRP Wraps. Journal of Composites for Construction, 2018, 22, .	1.7	5
27	Free vibration of thin rectangular steel plates with geometrically-nonlinear load-displacement behavior. Thin-Walled Structures, 2018, 129, 381-390.	2.7	10
28	Effect of Preliminary Selection of RC Shear Wallsâ€™ Ductility Level on Material Quantities. International Journal of Concrete Structures and Materials, 2018, 12, .	1.4	5
29	Seismic-Response Analysis of RC C-Shaped Core Walls Subjected to Combined Flexure, Shear, and Torsion. Journal of Structural Engineering, 2018, 144, .	1.7	14
30	Development of Fragility Curves for Reinforced-Masonry Structural Walls with Boundary Elements. Journal of Performance of Constructed Facilities, 2018, 32, .	1.0	14
31	Experimental study of CFRP-confined reinforced concrete masonry columns tested under concentric and eccentric loading. Composites Part B: Engineering, 2018, 155, 257-271.	5.9	21
32	Stress-Strain Behavior of C-Shaped Confined Concrete Masonry Boundary Elements of Reinforced Masonry Shear Walls. Journal of Structural Engineering, 2018, 144, .	1.7	12
33	Axial compressive behavior of grouted concrete block masonry columns confined by CFRP jackets. Composites Part B: Engineering, 2017, 114, 467-479.	5.9	23
34	Seismic Collapse Risk Assessment and FRP Retrofitting of RC Coupled C-Shaped Core Walls Using the FEMA P695 Methodology. Journal of Structural Engineering, 2017, 143, .	1.7	19
35	In-Plane Seismic Performance of Fully Grouted Reinforced Masonry Shear Walls. Journal of Structural Engineering, 2017, 143, .	1.7	26
36	Compression behavior of confined concrete masonry boundary elements. Engineering Structures, 2017, 132, 562-575.	2.6	22

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37	Nominal moment capacity of partially deteriorated AISC W-section beams. Engineering Failure Analysis, 2017, 82, 123-137.	1.8	1
38	Impact of Seismicity on Performance and Cost of RC Shear Wall Buildings in Dubai, United Arab Emirates. Journal of Performance of Constructed Facilities, 2017, 31, .	1.0	21
39	Numerical Simulation of FRP Sandwich Panels under Blast Effects. Journal of Performance of Constructed Facilities, 2017, 31, .	1.0	3
40	Effectiveness of FRP sandwich panels for blast resistance. Composite Structures, 2017, 163, 454-464.	3.1	30
41	Structural design of stiffened plates of industrial duct walls with relatively long panels undergoing large deformations. Thin-Walled Structures, 2016, 108, 406-415.	2.7	1
42	Influence of confinement reinforcement on the compression stressâ€“strain of grouted reinforced concrete block masonry boundary elements. Structures, 2015, 2, 32-43.	1.7	21
43	Vulnerability of RC Buildings to Progressive Collapse Based on 2003 and 2013 GSA Guidelines. , 2015, , .		2
44	Torsional and shear wind loads on flat-roofed buildings. Engineering Structures, 2015, 84, 313-324.	2.6	5
45	Comparison of wind tunnel measurements with NBCC 2010 wind-induced torsion provisions for low- and medium-rise buildings. Canadian Journal of Civil Engineering, 2014, 41, 409-420.	0.7	2
46	Corrosion-Fatigue Strain-Life Model for Steel Bridge Girders under Various Weathering Conditions. Journal of Structural Engineering, 2014, 140, 04014026.	1.7	25
47	Design Wind Loads Including Torsion for Rectangular Buildings with Horizontal Aspect Ratio of 1.6. Journal of Structural Engineering, 2014, 140, 06013006.	1.7	3
48	Design of rectangular industrial duct plates subjected to out-of-plane pressure considering nonlinear large deformations. Thin-Walled Structures, 2014, 77, 1-7.	2.7	4
49	CFRP Mechanical Anchorage for Externally Strengthened RC Beams under Flexure. Physics Procedia, 2014, 55, 10-16.	1.2	72
50	Integrated LCAâ€“LEED sustainability assessment model for structure and envelope systems of school buildings. Building and Environment, 2014, 80, 61-70.	3.0	80
51	Seismic Behavior of RC Shear Walls Strengthened with Fiber-Reinforced Polymer. Journal of Composites for Construction, 2013, 17, 603-613.	1.7	18
52	Frequency domain and finite difference modeling of ventilated concrete slabs and comparison with field measurements: Part 1, modeling methodology. International Journal of Heat and Mass Transfer, 2013, 66, 948-956.	2.5	21
53	A fatigue stress-life damage accumulation model for variable amplitude fatigue loading based on virtual target life. Engineering Structures, 2013, 52, 621-628.	2.6	27
54	A numerical element for vehicleâ€“bridge interaction analysis of vehicles experiencing sudden deceleration. Engineering Structures, 2013, 49, 792-805.	2.6	37

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55	New thermoplastic CFRP bendable rebars for reinforcing structural concrete elements. Composites Part B: Engineering, 2013, 45, 1207-1215.	5.9	18
56	Impact of lateral force-resisting system and design/construction practices on seismic performance and cost of tall buildings in Dubai, UAE. Earthquake Engineering and Engineering Vibration, 2013, 12, 385-397.	1.1	19
57	Shake Table Tests on FRP-Rehabilitated RC Shear Walls. Journal of Composites for Construction, 2013, 17, 79-90.	1.7	19
58	Wind tunnel study on load combination including torsion for design of medium-rise buildings. , 2013, , .		1
59	Upgrading the Seismic Performance of Reinforced Masonry Columns Using CFRP Wraps. Journal of Composites for Construction, 2012, 16, 196-206.	1.7	6
60	Flexural Performance of Steel Girders Retrofitted Using CFRP Materials. Journal of Composites for Construction, 2012, 16, 265-276.	1.7	15
61	Wind-induced torsional loads on low buildings. Journal of Wind Engineering and Industrial Aerodynamics, 2012, 104-106, 40-48.	1.7	10
62	Flexural Behavior of GFRP-Reinforced Concrete Masonry Beams. Journal of Composites for Construction, 2011, 15, 21-31.	1.7	4
63	A modified numerical VBI element for vehicles with constant velocity including road irregularities. Engineering Structures, 2011, 33, 2212-2220.	2.6	25
64	Effect of retrofit strategies on mitigating progressive collapse of steel frame structures. Journal of Constructional Steel Research, 2010, 66, 520-531.	1.7	56
65	Modeling, design and thermal performance of a BIPV/T system thermally coupled with a ventilated concrete slab in a low energy solar house: Part 2, ventilated concrete slab. Solar Energy, 2010, 84, 1908-1919.	2.9	71
66	Shear Strengthening of RC T-Beams Using Mechanically Anchored Unbonded Dry Carbon Fiber Sheets. Journal of Performance of Constructed Facilities, 2010, 24, 31-39.	1.0	59
67	Out-of-Plane Flexural Performance of GFRP-Reinforced Masonry Walls. Journal of Composites for Construction, 2010, 14, 162-174.	1.7	23
68	Modeling, design and thermal performance of a BIPV/T system thermally coupled with a ventilated concrete slab in a low energy solar house: Part 1, BIPV/T system and house energy concept. Solar Energy, 2010, 84, 1892-1907.	2.9	149
69	Strengthening RC Beams in Flexure Using New Hybrid FRP Sheet/Ductile Anchor System. Journal of Composites for Construction, 2009, 13, 217-225.	1.7	26
70	Incremental modified pushover analysis. Structural Design of Tall and Special Buildings, 2009, 18, 839-859.	0.9	7
71	Experimental and analytical behavior of haunched thin-walled RC girders and box girders. Thin-Walled Structures, 2009, 47, 202-218.	2.7	12
72	Analytical investigation of the seismic performance of RC frames rehabilitated using different rehabilitation techniques. Engineering Structures, 2009, 31, 1955-1966.	2.6	28

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73	Progressive collapse of reinforced concrete structures. Structural Engineering and Mechanics, 2009, 32, 771-786.	1.0	18
74	Optimal bracing type and position to minimize lateral drift in high-rise buildings. , 2009, , .		5
75	Modeling of lightly reinforced concrete walls subjected to nearâ€fault and farâ€field earthquake ground motions. Structural Design of Tall and Special Buildings, 2008, 17, 295-312.	0.9	3
76	Effect of soil conditions on the response of reinforced concrete tall structures to nearâ€fault earthquakes. Structural Design of Tall and Special Buildings, 2008, 17, 541-562.	0.9	76
77	Rehabilitation of RC inverted-T girders using anchored CFRP sheets. Composites Part B: Engineering, 2008, 39, 604-617.	5.9	15
78	Analytical Evaluation of Seismic Performance of RC Frames Rehabilitated Using FRP for Increased Ductility of Members. Journal of Performance of Constructed Facilities, 2008, 22, 276-288.	1.0	12
79	Lateral force-displacement ductility relationship of non-ductile squat RC columns rehabilitated using FRP confinement. Structural Engineering and Mechanics, 2007, 25, 75-89.	1.0	8
80	Effect of near-fault earthquakes on North American nuclear design spectra. Nuclear Engineering and Design, 2006, 236, 1928-1936.	0.8	19
81	Retrofit of RC square short columns. Engineering Structures, 2005, 27, 801-813.	2.6	85
82	Out-of-Plane Strengthening of Unreinforced Masonry Walls with Openings. Journal of Composites for Construction, 2004, 8, 298-305.	1.7	46
83	Title is missing!. Journal of Earthquake Engineering, 2004, 8, 45.	1.4	4
84	Flexural and shear hysteretic behaviour of reinforced concrete columns with variable axial load. Engineering Structures, 2003, 25, 1353-1367.	2.6	43