

Design of RC Columns Using Glass FRP Reinforcement

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Theoretical Analysis on Flexural Behavior of Concrete Members Reinforced by Steel-Basalt FRP Composite Bars. <i>Applied Mechanics and Materials</i> , 0, 578-579, 236-239.	0.2	0
2	Performance Evaluation of Concrete Columns Reinforced Longitudinally with FRP Bars and Confined with FRP Hoops and Spirals under Axial Load. <i>Journal of Bridge Engineering</i> , 2014, 19, .	1.4	196
3	Behavior of concentrically loaded geopolymer-concrete circular columns reinforced longitudinally and transversely with GFRP bars. <i>Engineering Structures</i> , 2016, 117, 422-436.	2.6	160
4	Experimental Investigations on Circular Concrete Columns Reinforced with GFRP Bars and Helices under Different Loading Conditions. <i>Journal of Composites for Construction</i> , 2016, 20, .	1.7	173
5	Combined Loading Behavior of Basalt FRP Reinforced Precast Concrete Insulated Partially-Composite Walls. <i>Journal of Composites for Construction</i> , 2016, 20, .	1.7	27
6	Performance of a transfer beam with hybrid reinforcement of CFRP bars and steel bars under reversed cyclic loading. <i>Science and Engineering of Composite Materials</i> , 2017, 24, 621-630.	0.6	3
7	Axial load-bending moment diagrams of GFRP reinforced columns and GFRP encased square columns. <i>Construction and Building Materials</i> , 2017, 135, 550-564.	3.2	31
8	Efficiency of glass-fiber reinforced-polymer (GFRP) discrete hoops and bars in concrete columns under combined axial and flexural loads. <i>Composites Part B: Engineering</i> , 2017, 114, 223-236.	5.9	106
9	Design of GFRP-reinforced rectangular concrete columns under eccentric axial loading. <i>Magazine of Concrete Research</i> , 2017, 69, 865-877.	0.9	45
10	Strength of circular HSC columns reinforced internally with carbon-fiber-reinforced polymer bars under axial and eccentric loads. <i>Construction and Building Materials</i> , 2017, 141, 366-378.	3.2	52
11	Lap Splice in GFRP-RC Rectangular Columns Subjected to Cyclic-Reversed Loads. <i>Journal of Composites for Construction</i> , 2017, 21, .	1.7	17
12	Tests of glass fibre reinforced polymer rectangular concrete columns subjected to concentric and eccentric axial loading. <i>Engineering Structures</i> , 2017, 151, 93-104.	2.6	102
13	Axial-Flexural Interactions of GFRP-CFFT Columns with and without Reinforcing GFRP Bars. <i>Journal of Composites for Construction</i> , 2017, 21, .	1.7	43
14	Experimental Study of Circular High-Strength Concrete Columns Reinforced with GFRP Bars and Spirals under Concentric and Eccentric Loading. <i>Journal of Composites for Construction</i> , 2017, 21, .	1.7	67
15	Axial Load-Moment Interaction Diagram of Circular Concrete Columns Reinforced with CFRP Bars and Spirals: Experimental and Theoretical Investigations. <i>Journal of Composites for Construction</i> , 2017, 21, .	1.7	67
16	Experiments and Finite Element Analysis of GFRP Reinforced Geopolymer Concrete Rectangular Columns Subjected to Concentric and Eccentric Axial Loading. <i>Structures</i> , 2018, 14, 273-289.	1.7	85
17	Analytical modeling of moment-curvature behavior of steel and CFRP RC circular confined columns. <i>Composite Structures</i> , 2018, 189, 473-487.	3.1	14
18	Axial stress-strain model for square concrete columns internally confined with GFRP hoops. <i>Magazine of Concrete Research</i> , 2018, 70, 1064-1079.	0.9	15

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19	Strength of compression lap-spliced GFRP bars in concrete columns with different splice lengths. <i>Construction and Building Materials</i> , 2018, 182, 657-669.	3.2	27
20	An Analytical Failure Envelope for the Design of Textile Reinforced Concrete Shells. <i>Structures</i> , 2018, 15, 56-65.	1.7	22
21	Analytical investigation on the load-moment characteristics of GFRP bar reinforced circular NSC and HSC columns. <i>Construction and Building Materials</i> , 2018, 183, 605-617.	3.2	12
22	Assessing Stress-Block Parameters in Designing Circular High-Strength Concrete Members Reinforced with FRP Bars. <i>Journal of Structural Engineering</i> , 2018, 144, .	1.7	15
23	Experimental evaluation and theoretical analysis of the effective flexural stiffness of reinforced CFFT columns. <i>Engineering Structures</i> , 2018, 175, 155-167.	2.6	10
24	Behaviour and design of air-cured GFRP-reinforced geopolymer concrete square columns. <i>Magazine of Concrete Research</i> , 2019, 71, 1006-1024.	0.9	17
25	Behaviour of Eccentric Concrete Columns Reinforced with Carbon Fibre-Reinforced Polymer Bars. <i>Advances in Civil Engineering</i> , 2019, 2019, 1-13.	0.4	18
26	Behavior of Slender GFRP Reinforced Concrete Columns. , 2019, , .		13
27	Axial Flexural Performance of High-Strength-Concrete Bridge Compression Members Reinforced with Basalt-FRP Bars and Ties: Experimental and Theoretical Investigation. <i>Journal of Bridge Engineering</i> , 2019, 24, .	1.4	26
28	Fiber-reinforced polymers bars for compression reinforcement: A promising alternative to steel bars. <i>Construction and Building Materials</i> , 2019, 209, 725-737.	3.2	81
29	Structural behaviour of self-compacting concrete columns reinforced by steel and glass fibre-reinforced polymer rebars under eccentric loads. <i>Engineering Structures</i> , 2019, 188, 717-728.	2.6	18
30	Structural performance of high-strength-concrete columns reinforced with GFRP bars and ties subjected to eccentric loads. <i>Engineering Structures</i> , 2019, 185, 286-300.	2.6	38
32	Simplified Material Solution for Orthotropic Symmetrical GFRP Laminates for Structural Facades. <i>Advances in Civil Engineering</i> , 2019, 2019, 1-15.	0.4	2
33	Compressive behavior of axially loaded circular hollow concrete columns reinforced with GFRP bars and spirals. <i>Construction and Building Materials</i> , 2019, 194, 12-23.	3.2	70
34	Cracking and Crack Control in Circular Concrete Bridge Members Reinforced with Fiber-Reinforced Polymer Bars. <i>Journal of Bridge Engineering</i> , 2019, 24, 04018108.	1.4	19
35	Hollow concrete columns: Review of structural behavior and new designs using GFRP reinforcement. <i>Engineering Structures</i> , 2020, 203, 109829.	2.6	42
36	A flexure-capacity design method and seismic fragility assessment of FRP/steel double-reinforced bridge piers. <i>Structure and Infrastructure Engineering</i> , 2020, 16, 1311-1325.	2.0	4
37	Prediction of axial load-carrying capacity of GFRP-reinforced concrete columns through artificial neural networks. <i>Structures</i> , 2020, 28, 1557-1571.	1.7	31

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38	Effect of boundary element confinement configuration on the performance of GFRP-Reinforced concrete shear walls. <i>Engineering Structures</i> , 2020, 225, 111262.	2.6	11
39	Structural performance of FRP-RC compression members wrapped with FRP composites. <i>Structures</i> , 2020, 27, 1693-1709.	1.7	31
40	Experimental Investigation of Short and Slender Rectangular Concrete Columns Reinforced with GFRP Bars under Eccentric Axial Loads. <i>Journal of Composites for Construction</i> , 2020, 24, .	1.7	29
41	Strength of Bridge High-Strength Concrete Slender Compression Members Reinforced with GFRP Bars and Spirals: Experiments and Second-Order Analysis. <i>Journal of Bridge Engineering</i> , 2020, 25, .	1.4	14
42	Performance of GFRP-Reinforced Concrete Circular Short Columns under Concentric, Eccentric, and Flexural Loads. <i>Journal of Composites for Construction</i> , 2020, 24, .	1.7	32
43	Experimental and theoretical study of GFRP hoops and spirals in hybrid fiber reinforced concrete short columns. <i>Materials and Structures/Materiaux Et Constructions</i> , 2020, 53, 1.	1.3	17
44	Effect of GFRP Reinforcement Ratio on the Strength and Effective Stiffness of High-Strength Concrete Columns: Experimental and Analytical Study. <i>Journal of Composites for Construction</i> , 2020, 24, .	1.7	13
45	Design of Short Columns Reinforced with GFRP Bars Subjected to Axial Loading. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 936, 012003.	0.3	1
46	Numerical Simulations of GFRP-Reinforced Columns Having Polypropylene and Polyvinyl Alcohol Fibers. <i>Complexity</i> , 2020, 2020, 1-14.	0.9	6
47	Circular Concrete Columns and Beams Reinforced with GFRP Bars and Spirals under Axial, Eccentric, and Flexural Loading. <i>Journal of Composites for Construction</i> , 2020, 24, .	1.7	33
48	Evaluation of the curvature ductility ratio of a circular cross-section of concrete reinforced with GFRP bars. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 758, 012009.	0.3	1
49	Flexural Behavior of a Precast Concrete Deck Connected with Headed GFRP Rebars and UHPC. <i>Materials</i> , 2020, 13, 604.	1.3	9
50	Inelastic Second-Order Analysis for Slender GFRP-Reinforced Concrete Columns: Experimental Investigations and Theoretical Study. <i>Journal of Composites for Construction</i> , 2020, 24, .	1.7	28
51	Investigation of HFRC columns reinforced with GFRP bars and spirals under concentric and eccentric loadings. <i>Engineering Structures</i> , 2021, 227, 111461.	2.6	36
52	Design of Marine Dock Using Concrete Mixed with Seawater and FRP Bars. <i>Journal of Composites for Construction</i> , 2021, 25, 05020006.	1.7	17
53	Axial performance of hybrid fiber reinforced concrete columns having GFRP longitudinal bars and spirals. <i>Journal of Building Engineering</i> , 2021, 35, 102017.	1.6	8
54	Effective Flexural Stiffness of Beams Reinforced with FRP Bars in Reinforced Concrete Moment Frames. <i>Journal of Composites for Construction</i> , 2021, 25, .	1.7	9
55	Behavior of Lightweight Self-Consolidating Concrete Columns Reinforced with Glass Fiber-Reinforced Polymer Bars and Spirals under Axial and Eccentric Loads. <i>ACI Structural Journal</i> , 2021, , .	0.3	0

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58	Strength Profile Pattern of FRP-Reinforced Concrete Structures: A Performance Analysis through Finite Element Analysis and Empirical Modeling Technique. Polymers, 2021, 13, 1265.	2.0	7
59	Confinement Properties of GFRP-Reinforced Concrete Circular Columns under Simulated Seismic Loading. Journal of Composites for Construction, 2021, 25, .	1.7	14
60	Study on eccentric behavior and serviceability performance of slender rectangular concrete columns reinforced with GFRP bars. Composite Structures, 2021, 263, 113680.	3.1	6
61	Experimental Investigation on the Ductility of Concrete Deep Beams Reinforced with Basalt-Carbon and Basalt-Steel Wire Hybrid Composite Bars. Shock and Vibration, 2021, 2021, 1-8.	0.3	3
62	Slender GFRP-RC Circular Columns under Concentric, Eccentric, and Flexural Loads: Experimental Investigation. Journal of Bridge Engineering, 2021, 26, .	1.4	13
63	Analysis of axially loaded columns strengthened with fibre-reinforced polymer. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2023, 176, 898-920.	0.4	1
64	Design, Construction, Testing, and Behavior of Driven Precast Concrete Piles Reinforced with GFRP Bars and Spirals. Journal of Bridge Engineering, 2021, 26, .	1.4	13
65	Axial load-moment interaction diagram of full-scale circular LWSCC columns reinforced with BFRP and GFRP bars and spirals: Experimental and theoretical investigations. Engineering Structures, 2021, 242, 112538.	2.6	15
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71	Eccentric Behavior of Full-Scale Reinforced Concrete Columns with Glass Fiber-Reinforced Polymer Bars and Ties. ACI Structural Journal, 2018, 115, .	0.3	60
72	Behavior and Design of Slender Rectangular Concrete Columns Longitudinally Reinforced with Fiber-Reinforced Polymer Bars. ACI Structural Journal, 2018, 115, .	0.3	56
73	Effect of Glass Fiber-Reinforced Polymer Reinforcement Ratio on the Axial-Flexural Strength of Reinforced Concrete Columns. ACI Structural Journal, 2018, 115, .	0.3	46

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74	Flexural Stiffness of GFRP- and CFRP-RC Circular Members under Eccentric Loads Based on Experimental and Curvature Analysis. ACI Structural Journal, 2018, 115, .	0.3	23
75	Moment-Curvature Behavior of Glass Fiber-Reinforced Polymer Bar-Reinforced Normal-Strength Concrete and High-Strength Concrete Columns. ACI Structural Journal, 2019, 116, .	0.3	11
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77	Assessment of Design Guidelines of Concrete Columns Reinforced with Glass Fiber-Reinforced Polymer Bars. ACI Structural Journal, 2019, 116, .	0.3	40
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79	Effect of Critical Test Parameters on Behavior of Glass Fiber-Reinforced Polymer-Reinforced Concrete Slender Columns under Eccentric Load. ACI Structural Journal, 2020, 117, .	0.3	6
80	Strengthening of R.C Short Column with Partial Replacement of Bacillus Bacteriain Cement. International Research Journal of Multidisciplinary Technovation, 0, , 362-372.	0.0	0
83	Assessment of punching shear strength of FRP-RC slab-column connections using machine learning algorithms. Engineering Structures, 2022, 255, 113898.	2.6	27
84	Numerical investigation of GFRP bars contribution on performance of concrete structural elements. Journal of Numerical Methods in Civil Engineering, 2021, 5, 1-12.	0.3	1
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88	Data-driven analysis on axial strength of GFRP-NSC columns based on practical artificial neural network tool. Composite Structures, 2022, 291, 115598.	3.1	6
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98	Fiber RC-FRP columns under various eccentricity loading conditions: State of art review. AIP Conference Proceedings, 2023, , .	0.3	0
99	Marine Dock with FRP Bars and Seawater-Mixed Concrete. Lecture Notes in Civil Engineering, 2024, , 17-29.	0.3	0
106	Comparative Study on the Performance of RC Frame Multistorey with Three Different FRP Reinforcements. Lecture Notes in Civil Engineering, 2024, , 445-457.	0.3	0
108	Effect of Slenderness on the Design of FRP reinforced Concrete Columns. , 2023, , .		0