

# Julian Carrillo

## 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.

55  
papers

337  
citations

11  
h-index

16  
g-index

65  
ext. papers

478  
ext. citations

3.1  
avg, IF

4.37  
L-index

#	Paper	IF	Citations
55	Cyclic tests of full-scale fiber-reinforced concrete (FRC) walls with steel and hybrid fibers for low-rise buildings. <i>Engineering Structures</i> , <b>2022</b> , 256, 113952	4.7	2
54	Multifractal-spectrum shape parameters for characterizing distribution and evolution of multiple cracks in concrete structures. <i>Engineering Fracture Mechanics</i> , <b>2022</b> , 264, 108329	4.2	0
53	Modeling the seismic response of thin concrete walls using the non-linear Beam-Truss Model. <i>Journal of Building Engineering</i> , <b>2022</b> , 52, 104424	5.2	1
52	Model for estimating the flexural performance of concrete reinforced with hooked end steel fibers using three-point bending tests. <i>Structural Concrete</i> , <b>2021</b> , 22, 1760-1783	2.6	1
51	Performance evaluation of structures with reinforced concrete columns retrofitted with steel jacketing. <i>Journal of Building Engineering</i> , <b>2021</b> , 33, 101510	5.2	9
50	Performance of unreinforced masonry panels strengthened with mortar overlays reinforced with welded wire mesh and transverse connectors. <i>Construction and Building Materials</i> , <b>2021</b> , 267, 121054	6.7	1
49	Experimental study of the influence of welding space in cold-formed built-up box flexural members. <i>Engineering Structures</i> , <b>2021</b> , 228, 111541	4.7	1
48	Mechanical properties of steel reinforcing bars for concrete structures in central Colombia. <i>Journal of Building Engineering</i> , <b>2021</b> , 33, 101858	5.2	1
47	Correlation between results obtained from four-point bending tests (4PBT) and double punch tests (DPT) in concrete reinforced with hooked-end steel fibers. <i>Engineering Structures</i> , <b>2021</b> , 239, 112353	4.7	3
46	Seismic performance of mid-rise thin concrete wall buildings lightly reinforced with deformed bars or welded wire mesh. <i>Engineering Structures</i> , <b>2021</b> , 241, 112455	4.7	3
45	Correlation between Flexural and Tensile Performance of Concrete Reinforced with Hooked-End Steel Fibers Using US and European Standards. <i>Journal of Materials in Civil Engineering</i> , <b>2021</b> , 33, 04021211	3	3
44	Rheological properties of cement-based materials using a biopolymer viscosity modifying admixture (BVMA) under different dispersion conditions. <i>Cement and Concrete Composites</i> , <b>2021</b> , 124, 104224	8.6	1
43	Contribution of CFRP to the shear strength of retrofitted lightly-reinforced concrete panels. <i>Journal of Building Engineering</i> , <b>2021</b> , 44, 102722	5.2	0
42	Shear behavior of geopolymer concrete panels under diagonal tensile stresses. <i>Engineering Structures</i> , <b>2020</b> , 212, 110518	4.7	4
41	Mechanical Properties of Concrete Slabs Reinforced with Recycled Steel Fibers From Post-Consumer Tires in Bogotá-Colombia. <i>Ciencia E Ingeniería Neogranadina</i> , <b>2020</b> , 30, 67-79	0.3	0
40	Compressive performance of square and low-strength concrete columns retrofitted with externally-bonded CFRP. <i>Materials Today Communications</i> , <b>2020</b> , 23, 100874	2.5	2
39	Properties of Steel Fiber Reinforced Concrete Using Either Industrial or Recycled Fibers from Waste Tires. <i>Fibers and Polymers</i> , <b>2020</b> , 21, 2055-2067	2	4

38	Behavior of Square and Low-Strength Concrete Columns Reinforced with Hybrid Steel Bars and Micro-Fibers. <i>Arabian Journal for Science and Engineering</i> , <b>2020</b> , 45, 8443-8456	2.5	0
37	Quasi-static cyclic tests of confined masonry walls retrofitted with mortar overlays reinforced with either welded-wire mesh or steel fibers. <i>Journal of Building Engineering</i> , <b>2020</b> , 27, 100975	5.2	7
36	Damage assessment of squat, thin and lightly-reinforced concrete walls by the Park & Ang damage index. <i>Journal of Building Engineering</i> , <b>2019</b> , 26, 100921	5.2	4
35	Flexural behavior of ungrouted post-tensioned concrete masonry beams with unbonded bars. <i>Construction and Building Materials</i> , <b>2019</b> , 203, 210-221	6.7	3
34	Minimum wall-area index for low-rise concrete housing. <i>Structures</i> , <b>2019</b> , 20, 903-911	3.4	1
33	Tensile mechanical properties of the electro-welded wire meshes available in Bogotá-Colombia. <i>Construction and Building Materials</i> , <b>2019</b> , 195, 352-362	6.7	9
32	Modulus of elasticity and Poisson's ratio of fiber-reinforced concrete in Colombia from ultrasonic pulse velocities. <i>Journal of Building Engineering</i> , <b>2019</b> , 23, 18-26	5.2	30
31	Performance of hybrid fiber-reinforced concrete for low-rise housing with thin walls. <i>Construction and Building Materials</i> , <b>2018</b> , 185, 519-529	6.7	5
30	Stiffness degradation model of thin and lightly reinforced concrete walls for housing. <i>Engineering Structures</i> , <b>2018</b> , 168, 179-190	4.7	7
29	Experimental assessment of I-shaped steel beams with longitudinal stiffeners under lateral-torsional buckling. <i>DYNA (Colombia)</i> , <b>2018</b> , 85, 278-287	0.6	1
28	Aceleraciones de piso para diseño de elementos no estructurales y estructurales que no hacen parte del sistema de resistencia sísmica en edificios. <i>Revista Ingeniería Universidad De Medellín</i> , <b>2018</b> , 17, 99-119	0.1	
27	Response of thin lightly-reinforced concrete walls under cyclic loading. <i>Engineering Structures</i> , <b>2018</b> , 176, 175-187	4.7	16
26	Material Damage Evolution for Plain and Steel-Fiber-Reinforced Concrete Under Unconfined Compression Loading by Dynamic Ultrasonic Tests. <i>Arabian Journal for Science and Engineering</i> , <b>2018</b> , 43, 5667-5675	2.5	3
25	Behavior of low-rise, steel fiber-reinforced concrete thin walls under shake table excitations. <i>Engineering Structures</i> , <b>2017</b> , 138, 146-158	4.7	11
24	Behavior of ungrouted and unbonded post-tensioned masonry beams and slabs. <i>Engineering Structures</i> , <b>2017</b> , 141, 703-714	4.7	1
23	Assessment of seismic damage of thin and lightly reinforced concrete walls using fractal dimension of cracking. <i>Earthquake Engineering and Structural Dynamics</i> , <b>2017</b> , 46, 661-675	4	14
22	Experimental and numerical evaluation of the mechanical behavior of diagonally reinforced plates subjected to the effect of residual thermal stresses. <i>Ingeniería E Investigación</i> , <b>2017</b> , 37, 124-132	0.3	
21	Seismic Damage Index Based on Fractal Dimension of Cracking on Thin Reinforced Concrete Walls. <i>ACI Structural Journal</i> , <b>2017</b> , 114,	1.7	11

20	Development and testing of a novel steel formwork for casting concrete slabs with different sizes. <i>Revista Facultad De Ingenier�a</i> , <b>2017</b> , 26,	1.1	2
19	Effect of Thermal Residual Stresses on Buckling and Post-Buckling Properties of Laminated Composites Perimetally Reinforced. <i>Latin American Journal of Solids and Structures</i> , <b>2016</b> , 13, 435-455	1.4	10
18	Experimental study on the mechanical properties of welded-wire meshes for concrete reinforcement in Mexico City. <i>Construction and Building Materials</i> , <b>2016</b> , 127, 663-672	6.7	5
17	Ensayos a flexi�n de losas de concreto sobre terreno reforzadas con fibras de acero. <i>Ingenier�a Investigaci�n Y Tecnolog�a</i> , <b>2016</b> , 17, 317-330	0.1	6
16	Effect of lightweight and low-strength concrete on seismic performance of thin lightly-reinforced shear walls. <i>Engineering Structures</i> , <b>2015</b> , 93, 61-69	4.7	21
15	Strength Degradation Model for Low-Rise Reinforced Concrete Walls Derived from Dynamic and Quasi-Static Tests. <i>Earthquake Spectra</i> , <b>2015</b> , 31, 197-214	3.4	3
14	Damage index based on stiffness degradation of low-rise RC walls. <i>Earthquake Engineering and Structural Dynamics</i> , <b>2015</b> , 44, 831-848	4	28
13	Control systems for shake tables: A critical review. <i>Ingenier�a Y Desarrollo</i> , <b>2015</b> , 33, 331-355	0.3	
12	Displacement ductility for seismic design of RC walls for low-rise housing. <i>Latin American Journal of Solids and Structures</i> , <b>2014</b> , 11, 725-737	1.4	9
11	Modeling of concrete dwellings based on results from ambient vibration tests. <i>Latin American Journal of Solids and Structures</i> , <b>2014</b> , 11, 488-503	1.4	
10	Reinforcement contribution to the behavior of low-rise concrete walls. <i>Latin American Journal of Solids and Structures</i> , <b>2014</b> , 11, 1791-1805	1.4	1
9	Strains on steel reinforcement of low-rise concrete walls during shake table tests. <i>Ingenieria E Investigacion</i> , <b>2014</b> , 34, 36-41	0.3	1
8	Experimental investigation on dynamic and quasi-static behavior of low-rise reinforced concrete walls. <i>Earthquake Engineering and Structural Dynamics</i> , <b>2013</b> , 42, 635-652	4	19
7	Simplified equation for estimating periods of vibration of concrete wall housing. <i>Engineering Structures</i> , <b>2013</b> , 52, 446-454	4.7	5
6	Seismic performance of concrete walls for housing subjected to shaking table excitations. <i>Engineering Structures</i> , <b>2012</b> , 41, 98-107	4.7	28
5	Acceptance limits for performance-based seismic design of RC walls for low-rise housing. <i>Earthquake Engineering and Structural Dynamics</i> , <b>2012</b> , 41, n/a-n/a	4	5
4	Backbone Model for Performance-Based Seismic Design of RC Walls for Low-Rise Housing. <i>Earthquake Spectra</i> , <b>2012</b> , 28, 943-964	3.4	21
3	Improved external device for a mass-carrying sliding system for shaking table testing. <i>Earthquake Engineering and Structural Dynamics</i> , <b>2011</b> , 40, 393-411	4	11

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|---|---|-----|---|
| 2 | COMPORTAMIENTO A CORTANTE DE MUROS DE CONCRETO PARA VIVIENDA. <i>Revista De Ingeniería Sísmica</i> , <b>2011</b> , 103-126                                      | 0.2 | 2 |
| 1 | Dynamic Properties of Low-Rise Concrete Walls Reinforced with Conventional Reinforcement or Steel Fibers. <i>Arabian Journal for Science and Engineering</i> ,1 | 2.5 |   |