

Julian Carrillo

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

633
citations

706676

14
h-index

759306

22
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65
all docs

65
docs citations

65
times ranked

426
citing authors

#	ARTICLE	IF	CITATIONS
1	Empirical fragility assessment of adobe and rammed earth walls subjected to seismic actions. <i>Earthquake Engineering and Structural Dynamics</i> , 2022, 51, 1133-1157.	2.5	4
2	Cyclic tests of full-scale fiber-reinforced concrete (FRC) walls with steel and hybrid fibers for low-rise buildings. <i>Engineering Structures</i> , 2022, 256, 113952.	2.6	7
3	Multifractal-spectrum shape parameters for characterizing distribution and evolution of multiple cracks in concrete structures. <i>Engineering Fracture Mechanics</i> , 2022, 264, 108329.	2.0	7
4	Modeling the seismic response of thin concrete walls using the non-linear Beam-Truss Model. <i>Journal of Building Engineering</i> , 2022, 52, 104424.	1.6	1
5	Survey on Major Worldwide Regulations on Seismic Base Isolation of Buildings. <i>Advances in Civil Engineering</i> , 2022, 2022, 1-16.	0.4	1
6	Performance evaluation of structures with reinforced concrete columns retrofitted with steel jacketing. <i>Journal of Building Engineering</i> , 2021, 33, 101510.	1.6	24
7	Performance of unreinforced masonry panels strengthened with mortar overlays reinforced with welded wire mesh and transverse connectors. <i>Construction and Building Materials</i> , 2021, 267, 121054.	3.2	9
8	Experimental study of the influence of welding space in cold-formed built-up box flexural members. <i>Engineering Structures</i> , 2021, 228, 111541.	2.6	6
9	Mechanical properties of steel reinforcing bars for concrete structures in central Colombia. <i>Journal of Building Engineering</i> , 2021, 33, 101858.	1.6	4
10	Model for estimating the flexural performance of concrete reinforced with hooked end steel fibers using three-point bending tests. <i>Structural Concrete</i> , 2021, 22, 1760-1783.	1.5	10
11	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> , 2021, 239, 112353.	2.6	7
12	Seismic performance of mid-rise thin concrete wall buildings lightly reinforced with deformed bars or welded wire mesh. <i>Engineering Structures</i> , 2021, 241, 112455.	2.6	11
13	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> , 2021, 33, .	1.3	10
14	Rheological properties of cement-based materials using a biopolymer viscosity modifying admixture (BVMA) under different dispersion conditions. <i>Cement and Concrete Composites</i> , 2021, 124, 104224.	4.6	14
15	Contribution of CFRP to the shear strength of retrofitted lightly-reinforced concrete panels. <i>Journal of Building Engineering</i> , 2021, 44, 102722.	1.6	3
16	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> , 2020, 27, 100975.	1.6	16
17	Compressive performance of square and low-strength concrete columns retrofitted with externally-bonded CFRP. <i>Materials Today Communications</i> , 2020, 23, 100874.	0.9	3
18	Properties of Steel Fiber Reinforced Concrete Using Either Industrial or Recycled Fibers from Waste Tires. <i>Fibers and Polymers</i> , 2020, 21, 2055-2067.	1.1	15

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19	Behavior of Square and Low-Strength Concrete Columns Reinforced with Hybrid Steel Bars and Micro-Fibers. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 8443-8456.	1.7	1
20	Shear behavior of geopolymers concrete panels under diagonal tensile stresses. <i>Engineering Structures</i> , 2020, 212, 110518.	2.6	8
21	Mechanical Properties of Concrete Slabs Reinforced with Recycled Steel Fibers from Post-Consumer Tires in Bogotá, Colombia. <i>Ciencia E Ingeniería Neogranadina</i> , 2020, 30, 67-79.	0.1	2
22	Minimum wall-area index for low-rise concrete housing. <i>Structures</i> , 2019, 20, 903-911.	1.7	1
23	Damage assessment of squat, thin and lightly-reinforced concrete walls by the Park & Ang damage index. <i>Journal of Building Engineering</i> , 2019, 26, 100921.	1.6	15
24	Flexural behavior of ungrouted post-tensioned concrete masonry beams with unbonded bars. <i>Construction and Building Materials</i> , 2019, 203, 210-221.	3.2	6
25	Tensile mechanical properties of the electro-welded wire meshes available in Bogotá, Colombia. <i>Construction and Building Materials</i> , 2019, 195, 352-362.	3.2	16
26	Modulus of elasticity and Poisson's ratio of fiber-reinforced concrete in Colombia from ultrasonic pulse velocities. <i>Journal of Building Engineering</i> , 2019, 23, 18-26.	1.6	61
27	Response of thin lightly-reinforced concrete walls under cyclic loading. <i>Engineering Structures</i> , 2018, 176, 175-187.	2.6	33
28	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> , 2018, 43, 5667-5675.	1.7	5
29	Performance of hybrid fiber-reinforced concrete for low-rise housing with thin walls. <i>Construction and Building Materials</i> , 2018, 185, 519-529.	3.2	10
30	Stiffness degradation model of thin and lightly reinforced concrete walls for housing. <i>Engineering Structures</i> , 2018, 168, 179-190.	2.6	12
31	Experimental assessment of I-shaped steel beams with longitudinal stiffeners under lateral-torsional buckling. <i>DYNA (Colombia)</i> , 2018, 85, 278-287.	0.2	1
32	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> , 2018, 17, 99-119.	0.1	0
33	Behavior of low-rise, steel fiber-reinforced concrete thin walls under shake table excitations. <i>Engineering Structures</i> , 2017, 138, 146-158.	2.6	19
34	Behavior of ungrouted and unbonded post-tensioned masonry beams and slabs. <i>Engineering Structures</i> , 2017, 141, 703-714.	2.6	2
35	Assessment of seismic damage of thin and lightly reinforced concrete walls using fractal dimension of cracking. <i>Earthquake Engineering and Structural Dynamics</i> , 2017, 46, 661-675.	2.5	19
36	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> , 2017, 37, 124-132.	0.2	0

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37	Seismic Damage Index Based on Fractal Dimension of Cracking on Thin Reinforced Concrete Walls. ACI Structural Journal, 2017, 114, .	0.3	18
38	Development and testing of a novel steel formwork for casting concrete slabs with different sizes. Revista Facultad De IngenierÃa, 2017, 26, .	0.0	2
39	Effect of Thermal Residual Stresses on Buckling and Post-Buckling Properties of Laminated Composites Perimetrally Reinforced. Latin American Journal of Solids and Structures, 2016, 13, 435-455.	0.6	11
40	Experimental study on the mechanical properties of welded-wire meshes for concrete reinforcement in Mexico City. Construction and Building Materials, 2016, 127, 663-672.	3.2	7
41	Automation of Pneumatic Actuators for Testing of Small-Specimens Using Mini Load-Frames. International Review of Mechanical Engineering, 2016, 10, 373.	0.1	0
42	Control systems for shake tables: A critical review. IngenierÃa Y Desarrollo, 2015, 33, 331-355.	0.0	0
43	Effect of lightweight and low-strength concrete on seismic performance of thin lightly-reinforced shear walls. Engineering Structures, 2015, 93, 61-69.	2.6	29
44	Strength Degradation Model for Low-Rise Reinforced Concrete Walls Derived from Dynamic and Quasi-Static Tests. Earthquake Spectra, 2015, 31, 197-214.	1.6	4
45	Damage index based on stiffness degradation of low-rise RC walls. Earthquake Engineering and Structural Dynamics, 2015, 44, 831-848.	2.5	41
46	Displacement ductility for seismic design of RC walls for low-rise housing. Latin American Journal of Solids and Structures, 2014, 11, 725-737.	0.6	10
47	Modeling of concrete dwellings based on results from ambient vibration tests. Latin American Journal of Solids and Structures, 2014, 11, 488-503.	0.6	0
48	Reinforcement contribution to the behavior of low-rise concrete walls. Latin American Journal of Solids and Structures, 2014, 11, 1791-1805.	0.6	2
49	Strains on steel reinforcement of low-rise concrete walls during shake table tests. Ingenieria E Investigacion, 2014, 34, 36-41.	0.2	1
50	EvaluaciÃ³n del desempeÃ±o a tensiÃ³n por compresiÃ³n diametral del concreto reforzado con fibras de acero ZP-306. Ingenieria Y Competitividad, 2014, 16, 261-272.	0.1	2
51	EvaluaciÃ³n de las estadÃsticas de colapso de puentes en Colombia por cargas explosivas. Ciencia E IngenierÃa Neogranadina, 2014, 24, 157.	0.1	1
52	Experimental investigation on dynamic and quasi-static behavior of low-rise reinforced concrete walls. Earthquake Engineering and Structural Dynamics, 2013, 42, 635-652.	2.5	28
53	Simplified equation for estimating periods of vibration of concrete wall housing. Engineering Structures, 2013, 52, 446-454.	2.6	7
54	EvaluaciÃ³n del diseÃ±o de una pequeÃ±a mesa vibratoria para ensayos en ingenierÃa sismo-resistente. Ciencia E IngenierÃa Neogranadina, 2013, 23, 89.	0.1	2

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55	Programación reactiva en la administración de proyectos: aproximación conceptual y aplicaciones prácticas. Revista Escuela De Administracion De Negocios, 2013, , 72-85.	0.1	0
56	Backbone Model for Performance-Based Seismic Design of RC Walls for Low-Rise Housing. Earthquake Spectra, 2012, 28, 943-964.	1.6	26
57	Acceptance limits for performance-based seismic design of RC walls for low-rise housing. Earthquake Engineering and Structural Dynamics, 2012, 41, 2273-2288.	2.5	18
58	Seismic performance of concrete walls for housing subjected to shaking table excitations. Engineering Structures, 2012, 41, 98-107.	2.6	33
59	Improved external device for a mass-carrying sliding system for shaking table testing. Earthquake Engineering and Structural Dynamics, 2011, 40, 393-411.	2.5	14
60	COMPORTAMIENTO A CORTANTE DE MUROS DE CONCRETO PARA VIVIENDA. Revista De Ingenieria Sísmica, 2011, , 103-126.	0.1	6
61	Seismic behavior of residential concrete walls. , 2008, , 250-250.		0
62	New concrete masonry solid block with non-conventional geometry: Experimental characterization. Revista Facultad De Ingenieria, 0, , .	0.5	0
63	Dynamic Properties of Low-Rise Concrete Walls Reinforced with Conventional Reinforcement or Steel Fibers. Arabian Journal for Science and Engineering, 0, , 1.	1.7	0