

Gustavo H Siqueira

List of Publications by Citations

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Version: 2024-03-20

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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.

29 papers	652 citations	8 h-index	25 g-index
33 ext. papers	773 ext. citations	3 avg, IF	3.94 L-index

#	Paper	IF	Citations
29	Stress-Strain Model for Confined High-Strength Concrete. <i>Journal of Structural Engineering</i> , 1995 , 121, 468-477	3	288
28	Uniaxial Confinement Model for Normal- and High-Strength Concrete Columns. <i>Journal of Structural Engineering</i> , 2003 , 129, 241-252	3	160
27	Fragility curves of typical as-built highway bridges in eastern Canada. <i>Engineering Structures</i> , 2012 , 40, 107-118	4.7	64
26	Fragility curves for isolated bridges in eastern Canada using experimental results. <i>Engineering Structures</i> , 2014 , 74, 311-324	4.7	39
25	Performance-based seismic retrofit of a bridge bent: Design and experimental validation. <i>Canadian Journal of Civil Engineering</i> , 2010 , 37, 367-379	1.3	21
24	Experimental determination of the lateral stability and shear failure limit states of bridge rubber bearings. <i>Engineering Structures</i> , 2018 , 174, 39-48	4.7	15
23	Performance evaluation of natural rubber seismic isolators as a retrofit measure for typical multi-span concrete bridges in eastern Canada. <i>Engineering Structures</i> , 2014 , 74, 300-310	4.7	13
22	Effects of Rice Husk Silica on microstructure and mechanical properties of Magnesium-oxychloride Fiber Cement (MOFC). <i>Construction and Building Materials</i> , 2020 , 241, 118022	6.7	10
21	Water reuse in the production of non-reinforced concrete elements: An alternative for decentralized wastewater management. <i>Journal of Water Sanitation and Hygiene for Development</i> , 2019 , 9, 596-600	1.5	6
20	Evaluation of structural capacity of triangular and hexagonal reinforced concrete free-form shells. <i>Engineering Structures</i> , 2019 , 188, 519-537	4.7	5
19	Simplified Approach Based on the Natural Period of Vibration for Considering Second-Order Effects on Reinforced Concrete Frames. <i>International Journal of Structural Stability and Dynamics</i> , 2018 , 18, 1850074	1.9	4
18	Tolerances for TBM thrust load based on crack opening performance of fiber-reinforced precast tunnel segments. <i>Tunnelling and Underground Space Technology</i> , 2021 , 111, 103847	5.7	4
17	A novel approach to characterize the direct shear pullout behavior of single hooked steel fibers. <i>Cement and Concrete Composites</i> , 2020 , 113, 103685	8.6	3
16	Influence of Atmospheric Humidity on the Critical Buckling Load of Reinforced Concrete Columns. <i>International Journal of Structural Stability and Dynamics</i> ,	1.9	3
15	Damage estimation in reinforced concrete buildings from induced earthquakes in Brazil. <i>Engineering Structures</i> , 2021 , 234, 111904	4.7	3
14	Analysis of the global second-order effects on irregular reinforced concrete structures using the natural period of vibration. <i>Revista IBRACON De Estruturas E Materiais</i> , 2019 , 12, 408-428	0.5	2
13	Evaluation of limit state of stress and strain of free-fixed columns with variable geometry according to criteria from the Brazilian code for concrete structures. <i>Latin American Journal of Solids and Structures</i> , 2020 , 17,	1.4	2

12	A stochastic approach for the wind load effect on steel structures. <i>Revista Escola De Minas</i> , 2016 , 69, 137-145		2
11	Interfacial mechanics of steel fibers in a High-Strength Fiber-Reinforced Self Compacting Concrete. <i>Construction and Building Materials</i> , 2021 , 301, 124344	6.7	2
10	Seismic fragility of a highway bridge in Quebec retrofitted with natural rubber isolators. <i>Revista IBRACON De Estruturas E Materiais</i> , 2014 , 7, 534-547	0.5	1
9	Cement-based bearing pads for precast concrete connections. <i>Proceedings of Institution of Civil Engineers: Construction Materials</i> , 2013 , 166, 286-294	0.8	1
8	Analytical Nonlinear Rollover Behavior of Cambered Precast Concrete Beams on Flexible Supports. <i>Journal of Structural Engineering</i> , 2020 , 146, 04019200	3	1
7	Environmentally friendly interlocking concrete paver blocks produced with treated wastewater. <i>Water Science and Technology: Water Supply</i> , 2019 , 19, 2028-2035	1.4	1
6	Seismic fragility of bridges: An approach coupling multiple-stripe analysis and Gaussian mixture for multicomponent structures. <i>Earthquake Spectra</i> , 875529302110361	3.4	1
5	High-order finite element model of bridge rubber bearings for the prediction of buckling and shear failure. <i>Engineering Structures</i> , 2021 , 240, 112314	4.7	1
4	Empirical method for structural damage location using dynamic analysis. <i>Revista IBRACON De Estruturas E Materiais</i> , 2020 , 13, 19-31	0.5	0
3	Parametrical analysis of partially encased composite columns with fiber reinforced concrete subjected to uniaxial and biaxial non-constant bending moments. <i>Structures</i> , 2021 , 34, 1872-1889	3.4	0
2	Simplified Analytical Nonlinear Model for Contact Problem between Precast Concrete Beams and Elastomeric Bearing Pads. <i>Journal of Structural Engineering</i> , 2020 , 146, 04020251	3	
1	Modified mortar pad behavior in the transfer of compressive stresses. <i>Revista IBRACON De Estruturas E Materiais</i> , 2016 , 9, 414-434	0.5	