Gustavo H Siqueira

List of Publications by Year in Descending Order

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	Tolerances for TBM thrust load based on crack opening performance of fiber-reinforced precast tunnel segments. *Tunnelling and Underground Space Technology*, **2021**, 111, 103847	5.7	4
28	Damage estimation in reinforced concrete buildings from induced earthquakes in Brazil. *Engineering Structures*, **2021**, 234, 111904	4.7	3
27	High-order finite element model of bridge rubber bearings for the prediction of buckling and shear failure. *Engineering Structures*, **2021**, 240, 112314	4.7	1
26	Interfacial mechanics of steel fibers in a High-Strength Fiber-Reinforced Self Compacting Concrete. *Construction and Building Materials*, **2021**, 301, 124344	6.7	2
25	Parametrical analysis of partially encased composite columns with fiber reinforced concrete subjected to uniaxial and biaxial non-constant bending moments. *Structures*, **2021**, 34, 1872-1889	3.4	0
24	A novel approach to characterize the direct shear pullout behavior of single hooked steel fibers. *Cement and Concrete Composites*, **2020**, 113, 103685	8.6	3
23	Effects of Rice Husk Silica on microstructure and mechanical properties of Magnesium-oxychloride Fiber Cement (MOFC). *Construction and Building Materials*, **2020**, 241, 118022	6.7	10
22	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. *Latin American Journal of Solids and Structures*, **2020**, 17,	1.4	2
21	Empirical method for structural damage location using dynamic analysis. *Revista IBRACON De Estruturas E Materiais*, **2020**, 13, 19-31	0.5	0
20	Analytical Nonlinear Rollover Behavior of Cambered Precast Concrete Beams on Flexible Supports. *Journal of Structural Engineering*, **2020**, 146, 04019200	3	1
19	Simplified Analytical Nonlinear Model for Contact Problem between Precast Concrete Beams and Elastomeric Bearing Pads. *Journal of Structural Engineering*, **2020**, 146, 04020251	3	
18	Analysis of the global second-order effects on irregular reinforced concrete structures using the natural period of vibration. *Revista IBRACON De Estruturas E Materiais*, **2019**, 12, 408-428	0.5	2
17	Evaluation of structural capacity of triangular and hexagonal reinforced concrete free-form shells. *Engineering Structures*, **2019**, 188, 519-537	4.7	5
16	Water reuse in the production of non-reinforced concrete elements: An alternative for decentralized wastewater management. *Journal of Water Sanitation and Hygiene for Development*, **2019**, 9, 596-600	1.5	6
15	Environmentally friendly interlocking concrete paver blocks produced with treated wastewater. *Water Science and Technology: Water Supply*, **2019**, 19, 2028-2035	1.4	1
14	Simplified Approach Based on the Natural Period of Vibration for Considering Second-Order Effects on Reinforced Concrete Frames. *International Journal of Structural Stability and Dynamics*, **2018**, 18, 1850074	1.9	4
13	Experimental determination of the lateral stability and shear failure limit states of bridge rubber bearings. *Engineering Structures*, **2018**, 174, 39-48	4.7	15

12	A stochastic approach for the wind load effect on steel structures. *Revista Escola De Minas*, **2016**, 69, 137-145		2
11	Modified mortar pad behavior in the transfer of compressive stresses. *Revista IBRACON De Estruturas E Materiais*, **2016**, 9, 414-434	0.5	
10	Performance evaluation of natural rubber seismic isolators as a retrofit measure for typical multi-span concrete bridges in eastern Canada. *Engineering Structures*, **2014**, 74, 300-310	4.7	13
9	Fragility curves for isolated bridges in eastern Canada using experimental results. *Engineering Structures*, **2014**, 74, 311-324	4.7	39
8	Seismic fragility of a highway bridge in Quebec retrofitted with natural rubber isolators. *Revista IBRACON De Estruturas E Materiais*, **2014**, 7, 534-547	0.5	1
7	Cement-based bearing pads for precast concrete connections. *Proceedings of Institution of Civil Engineers: Construction Materials*, **2013**, 166, 286-294	0.8	1
6	Fragility curves of typical as-built highway bridges in eastern Canada. *Engineering Structures*, **2012**, 40, 107-118	4.7	64
5	Performance-based seismic retrofit of a bridge bent: Design and experimental validation. *Canadian Journal of Civil Engineering*, **2010**, 37, 367-379	1.3	21
4	Uniaxial Confinement Model for Normal- and High-Strength Concrete Columns. *Journal of Structural Engineering*, **2003**, 129, 241-252	3	160
3	Stress-Strain Model for Confined High-Strength Concrete. *Journal of Structural Engineering*, **1995**, 121, 468-477	3	288
2	Influence of Atmospheric Humidity on the Critical Buckling Load of Reinforced Concrete Columns. *International Journal of Structural Stability and Dynamics*,	1.9	3
1	Seismic fragility of bridges: An approach coupling multiple-stripe analysis and Gaussian mixture for multicomponent structures. *Earthquake Spectra*,875529302110361	3.4	1