Fabian R Rojas

List of Publications by Year
in descending order

28	507	687363 13	677142 22
papers	citations	h-index	g-index

28	28	28	303
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ground motion prediction equations for the Chilean subduction zone. Bulletin of Earthquake Engineering, 2017, 15, 1853-1880.	4.1	57
2	State-of-the-art in nonlinear finite element modeling of isolated planar reinforced concrete walls. Engineering Structures, 2019, 194, 46-65.	5.3	45
3	Performance of tall buildings in Santiago, Chile during the 27 February 2010 offshore Maule, Chile earthquake. Structural Design of Tall and Special Buildings, 2011, 20, 1-16.	1.9	43
4	Performance of tall buildings in ConcepciÃ³n during the 27 February 2010 moment magnitude 8.8 offshore Maule, Chile earthquake. Structural Design of Tall and Special Buildings, 2011, 20, 37-64.	1.9	40
5	Performance of tall buildings in ViÃ±a del Mar in the 27 February 2010 offshore Maule, Chile earthquake. Structural Design of Tall and Special Buildings, 2011, 20, 17-36.	1.9	38
6	A nonlinear quadrilateral layered membrane element with drilling degrees of freedom for the modeling of reinforced concrete walls. Engineering Structures, 2016, 124, 521-538.	5.3	34
7	Use of convolutional networks in the conceptual structural design of shear wall buildings layout. Engineering Structures, 2021, 239, 112311.	5.3	32
8	Experimental and numerical cyclic response of RC walls with openings. Engineering Structures, 2019, 178, 318-330.	5.3	26
9	The significance of the 27 February 2010 offshore Maule, Chile earthquake. Structural Design of Tall and Special Buildings, 2010, 19, 826-837.	1.9	25
10	Pounding of an 18-Story Building During Recorded Earthquakes. Journal of Structural Engineering, 2012, 138, 1530-1544.	3.4	22
11	The quest for resilience: The Chilean practice of seismic design for reinforced concrete buildings. Earthquake Spectra, 2021, 37, 26-45.	3.1	19
12	An overview of building codes and standards in Chile at the time of the 27 February 2010 offshore Maule, Chile earthquake. Structural Design of Tall and Special Buildings, 2010, 19, 853-865.	1.9	15
13	Empirical Site Classification of CSN Network Using Strongâ€Motion Records. Seismological Research Letters, 2018, 89, 512-518.	1.9	15
14	Analytical study of the response of reinforced concrete walls with discontinuities of flag wall type. Structural Concrete, 2017, 18, 962-973.	3.1	12
15	Accelerographic measurements of the 27 February 2010 offshore Maule, Chile earthquake. Structural Design of Tall and Special Buildings, 2010, 19, 866-875.	1.9	11
16	A nonlinear quadrilateral thin flat layered shell element for the modeling of reinforced concrete wall structures. Bulletin of Earthquake Engineering, 2019, 17, 6491-6513.	4.1	11
17	Understanding the cyclic response of RC walls with setback discontinuities through a finite element model and a strut-and-tie model. Bulletin of Earthquake Engineering, 2019, 17, 6547-6563.	4.1	10
18	Experimental cyclic response of RC walls with setback discontinuities. Engineering Structures, 2019, 178, 410-422.	5.3	10

#	Article	IF	Citations
19	A numerical solution and evaluation of dynamic stiffness of pile groups and comparison to experimental results. Engineering Structures, 2017, 151, 253-260.	5.3	7
20	Effect of soil structure interaction on the dynamic responses of base isolated bridges and comparison to experimental results. Soil Dynamics and Earthquake Engineering, 2018, 114, 242-252.	3.8	7
21	Analytical study of the sectional behavior and the effective width of T-shaped reinforced concrete walls. Engineering Structures, 2021, 237, 112110.	5.3	7
22	Performance of the Torre Bosquemar and Olas buildings in San Pedro de la Paz and the Pedro de Valdivia building in ConcepciÃ³n in the 27 February 2010 offshore Maule, Chile earthquake. Structural Design of Tall and Special Buildings, 2011, 20, 65-82.	1.9	5
23	High-Strength Reinforcing Steel Bars: Low Cycle Fatigue Behavior Using RGB Methodology. International Journal of Concrete Structures and Materials, 2021, 15, .	3.2	5
24	Nonlinear modeling of a damaged reinforced concrete building and design improvement behavior. Journal of Building Engineering, 2021, 41, 102766.	3.4	4
25	Synthetic stochastic ground motions compatible with the Chilean seismic hazard. Engineering Structures, 2021, 228, 111471.	5.3	3
26	Seismological and tectonic setting of the 27 February 2010 offshore Maule, Chile earthquake. Structural Design of Tall and Special Buildings, 2010, 19, 838-852.	1.9	2
27	Membrane fiber element for reinforced concrete walls â€“ the benefits of macro and micro modeling approaches. Engineering Structures, 2022, 254, 113819.	5.3	2
28	Experimental and Numerical Response of RC Walls with Discontinuities Under Cycling Loading. , 2019, , 201-221.		0