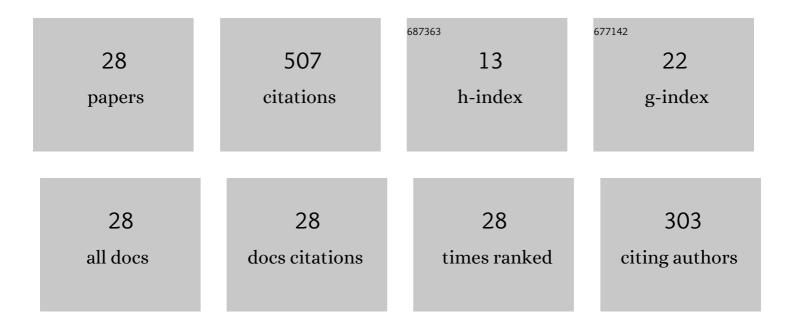
## Fabian R Rojas

List of Publications by Year in descending order

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FARIAN P. POIAS

#	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 ConcepciÃ <sup>3</sup> n 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 Viña 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

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#	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 Concepción 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 – 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