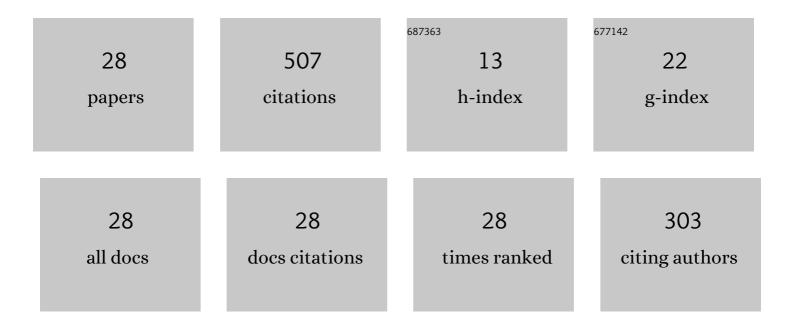
Fabian R Rojas

List of Publications by Year in descending order

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FARIAN R ROIAS

#	Article	IF	CITATIONS
1	Membrane fiber element for reinforced concrete walls – the benefits of macro and micro modeling approaches. Engineering Structures, 2022, 254, 113819.	5.3	2
2	The quest for resilience: The Chilean practice of seismic design for reinforced concrete buildings. Earthquake Spectra, 2021, 37, 26-45.	3.1	19
3	Synthetic stochastic ground motions compatible with the Chilean seismic hazard. Engineering Structures, 2021, 228, 111471.	5.3	3
4	Analytical study of the sectional behavior and the effective width of T-shaped reinforced concrete walls. Engineering Structures, 2021, 237, 112110.	5.3	7
5	Use of convolutional networks in the conceptual structural design of shear wall buildings layout. Engineering Structures, 2021, 239, 112311.	5.3	32
6	Nonlinear modeling of a damaged reinforced concrete building and design improvement behavior. Journal of Building Engineering, 2021, 41, 102766.	3.4	4
7	High-Strength Reinforcing Steel Bars: Low Cycle Fatigue Behavior Using RGB Methodology. International Journal of Concrete Structures and Materials, 2021, 15, .	3.2	5
8	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
9	State-of-the-art in nonlinear finite element modeling of isolated planar reinforced concrete walls. Engineering Structures, 2019, 194, 46-65.	5.3	45
10	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
11	Experimental and Numerical Response of RC Walls with Discontinuities Under Cycling Loading. , 2019, , 201-221.		0
12	Experimental and numerical cyclic response of RC walls with openings. Engineering Structures, 2019, 178, 318-330.	5.3	26
13	Experimental cyclic response of RC walls with setback discontinuities. Engineering Structures, 2019, 178, 410-422.	5.3	10
14	Empirical Site Classification of CSN Network Using Strongâ€Motion Records. Seismological Research Letters, 2018, 89, 512-518.	1.9	15
15	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
16	Analytical study of the response of reinforced concrete walls with discontinuities of flag wall type. Structural Concrete, 2017, 18, 962-973.	3.1	12
17	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
18	Ground motion prediction equations for the Chilean subduction zone. Bulletin of Earthquake Engineering, 2017, 15, 1853-1880.	4.1	57

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#	Article	IF	CITATIONS
19	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
20	Pounding of an 18-Story Building During Recorded Earthquakes. Journal of Structural Engineering, 2012, 138, 1530-1544.	3.4	22
21	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
22	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
23	Performance of tall buildings in ConcepciÃ ³ 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
24	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
25	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
26	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
27	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
28	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