

# Cesar Pasten

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

700  
citations

687220

13  
h-index

552653

26  
g-index

30  
all docs

30  
docs citations

30  
times ranked

770  
citing authors

#	ARTICLE	IF	CITATIONS
1	Within-event spatial correlation of peak ground acceleration and spectral pseudo-acceleration ordinates in the Chilean subduction zone. <i>Earthquake Engineering and Structural Dynamics</i> , 2022, 51, 2575-2590.	2.5	2
2	Shear wave velocity model of the Abanico Formation underlying the Santiago City metropolitan area, Chile, using ambient seismic noise tomography. <i>Geophysical Journal International</i> , 2021, 225, 1222-1235.	1.0	5
3	Freeze-thaw cycles and snow impact at arid permafrost region in Chajnantor Volcano, Atacama, northern Chile. <i>Arctic, Antarctic, and Alpine Research</i> , 2021, 53, 60-66.	0.4	7
4	Thermo-mechanical ratcheting in soil-structure interfaces. <i>Acta Geotechnica</i> , 2019, 14, 1561-1569.	2.9	4
5	Uncertainty quantification and propagation in the modeling of liquefiable sands. <i>Soil Dynamics and Earthquake Engineering</i> , 2019, 123, 217-229.	1.9	6
6	Damage assessment of the 2015 Mw 8.3 Illapel earthquake in the North-Central Chile. <i>Natural Hazards</i> , 2019, 96, 269-283.	1.6	9
7	Dynamic numerical investigation of a stepped-planar rockslide in the Central Andes, Chile. <i>Engineering Geology</i> , 2018, 237, 64-75.	2.9	17
8	Numerical study on long-term monopile foundation response. <i>Marine Georesources and Geotechnology</i> , 2018, 36, 190-196.	1.2	8
9	Geophysical Characterization of the Chilean Seismological Stations: First Results. <i>Seismological Research Letters</i> , 2018, 89, 519-525.	0.8	24
10	The Impact of a Buried High-Velocity Layer in the Seismic Site Amplification of the City of Lilloe, Chile. <i>Bulletin of the Seismological Society of America</i> , 2018, 108, 2199-2208.	1.1	1
11	Empirical Site Classification of CSN Network Using Strong-Motion Records. <i>Seismological Research Letters</i> , 2018, 89, 512-518.	0.8	15
12	Stochastic Strong-Motion Simulation in Borehole and on Surface for the 2011 Mw 9.0 Tohoku Oki Megathrust Earthquake Considering P, SV, and SH Amplification Transfer Functions. <i>Bulletin of the Seismological Society of America</i> , 2018, 108, 2333-2346.	1.1	7
13	Site response analysis using one-dimensional equivalent-linear method and Bayesian filtering. <i>Computers and Geotechnics</i> , 2017, 89, 43-54.	2.3	17
14	Ground motion prediction equations for the Chilean subduction zone. <i>Bulletin of Earthquake Engineering</i> , 2017, 15, 1853-1880.	2.3	57
15	Estudio de efectos de sitio en la Región de Coquimbo durante el terremoto de Illapel Mw 8.3 de 2015. <i>Obras Y Proyectos</i> , 2017, , 20-28.	0.2	3
16	Comparison of mean shear wave velocity of the top 30 m using downhole, MASW and bender elements methods. <i>Obras Y Proyectos</i> , 2016, , 6-15.	0.2	1
17	Deep characterization of the Santiago Basin using HVSr and cross-correlation of ambient seismic noise. <i>Engineering Geology</i> , 2016, 201, 57-66.	2.9	51
18	Thermo-mechanical ratcheting in jointed rock masses. <i>Geotechnique Letters</i> , 2015, 5, 86-90.	0.6	10

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19	Physical and numerical modelling of the thermally induced wedging mechanism. Geotechnique Letters, 2015, 5, 186-190.	0.6	14
20	Reclaimed asphalt binder aging and its implications in the management of RAP stockpiles. Construction and Building Materials, 2015, 101, 611-616.	3.2	41
21	Thermally Induced Long-Term Displacement of Thermoactive Piles. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2014, 140, .	1.5	83
22	Experimental and numerical modeling of thermally-induced ratcheting displacement of geomembranes on slopes. Geosynthetics International, 2014, 21, 334-341.	1.5	5
23	Long-Term Foundation Response to Repetitive Loading. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2014, 140, .	1.5	49
24	Energy and quality of life. Energy Policy, 2012, 49, 468-476.	4.2	91
25	Chile, energÃa y desarrollo. Obras Y Proyectos, 2012, , 28-39.	0.2	7
26	Energy geo-storage â€” analysis and geomechanical implications. KSCE Journal of Civil Engineering, 2011, 15, 655-667.	0.9	23
27	Sustainable development and energy geotechnology â€” Potential roles for geotechnical engineering. KSCE Journal of Civil Engineering, 2011, 15, 611-621.	0.9	41
28	Site effect evaluation in the basin of Santiago de Chile using ambient noise measurements. Geophysical Journal International, 2009, 176, 925-937.	1.0	101
29	Geological influence on the index properties variability and shear strength probability density functions. Quarterly Journal of Engineering Geology and Hydrogeology, 0, , qjgeh2020-093.	0.8	1
30	The Role of Site Conditions on the Structural Damage in the City of Valdivia during the 22 May 1960 MwÂ9.5 Megathrust Chile Earthquake. Seismological Research Letters, 0, , .	0.8	0