

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 | Site effect evaluation in the basin of Santiago de Chile using ambient noise measurements. Geophysical Journal International, 2009, 176, 925-937. | 1.0 | 101 |
| 2 | Energy and quality of life. Energy Policy, 2012, 49, 468-476. | 4.2 | 91 |
| 3 | Thermally Induced Long-Term Displacement of Thermoactive Piles. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2014, 140, . | 1.5 | 83 |
| 4 | Ground motion prediction equations for the Chilean subduction zone. Bulletin of Earthquake Engineering, 2017, 15, 1853-1880. | 2.3 | 57 |
| 5 | Deep characterization of the Santiago Basin using HVSr and cross-correlation of ambient seismic noise. Engineering Geology, 2016, 201, 57-66. | 2.9 | 51 |
| 6 | Long-Term Foundation Response to Repetitive Loading. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2014, 140, . | 1.5 | 49 |
| 7 | Sustainable development and energy geotechnology " Potential roles for geotechnical engineering. KSCE Journal of Civil Engineering, 2011, 15, 611-621. | 0.9 | 41 |
| 8 | Reclaimed asphalt binder aging and its implications in the management of RAP stockpiles. Construction and Building Materials, 2015, 101, 611-616. | 3.2 | 41 |
| 9 | Geophysical Characterization of the Chilean Seismological Stations: First Results. Seismological Research Letters, 2018, 89, 519-525. | 0.8 | 24 |
| 10 | Energy geo-storage " analysis and geomechanical implications. KSCE Journal of Civil Engineering, 2011, 15, 655-667. | 0.9 | 23 |
| 11 | Site response analysis using one-dimensional equivalent-linear method and Bayesian filtering. Computers and Geotechnics, 2017, 89, 43-54. | 2.3 | 17 |
| 12 | Dynamic numerical investigation of a stepped-planar rockslide in the Central Andes, Chile. Engineering Geology, 2018, 237, 64-75. | 2.9 | 17 |
| 13 | Empirical Site Classification of CSN Network Using Strong"Motion Records. Seismological Research Letters, 2018, 89, 512-518. | 0.8 | 15 |
| 14 | Physical and numerical modelling of the thermally induced wedging mechanism. Geotechnique Letters, 2015, 5, 186-190. | 0.6 | 14 |
| 15 | Thermo-mechanical ratcheting in jointed rock masses. Geotechnique Letters, 2015, 5, 86-90. | 0.6 | 10 |
| 16 | Damage assessment of the 2015 Mw 8.3 Illapel earthquake in the North-Central Chile. Natural Hazards, 2019, 96, 269-283. | 1.6 | 9 |
| 17 | Numerical study on long-term monopile foundation response. Marine Georesources and Geotechnology, 2018, 36, 190-196. | 1.2 | 8 |
| 18 | Chile, energ" y desarrollo. Obras Y Proyectos, 2012, , 28-39. | 0.2 | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Stochastic Strongâ€Motion Simulation in Borehole and on Surface for the 2011 Mwâ9.0 Tohokuâ€Oki Megathrust Earthquake Considering P, SV, and SH Amplification Transfer Functions. Bulletin of the Seismological Society of America, 2018, 108, 2333-2346. | 1.1 | 7 |
| 20 | Freezeâ€thaw cycles and snow impact at arid permafrost region in Chajnantor Volcano, Atacama, northern Chile. Arctic, Antarctic, and Alpine Research, 2021, 53, 60-66. | 0.4 | 7 |
| 21 | Uncertainty quantification and propagation in the modeling of liquefiable sands. Soil Dynamics and Earthquake Engineering, 2019, 123, 217-229. | 1.9 | 6 |
| 22 | Experimental and numerical modeling of thermally-induced ratcheting displacement of geomembranes on slopes. Geosynthetics International, 2014, 21, 334-341. | 1.5 | 5 |
| 23 | Shear wave velocity model of the Abanico Formation underlying the Santiago City metropolitan area, Chile, using ambient seismic noise tomography. Geophysical Journal International, 2021, 225, 1222-1235. | 1.0 | 5 |
| 24 | Thermo-mechanical ratcheting in soilâ€structure interfaces. Acta Geotechnica, 2019, 14, 1561-1569. | 2.9 | 4 |
| 25 | Estudio de efectos de sitio en la RegiÃ³n de Coquimbo durante el terremoto de Illapel Mw 8.3 de 2015. Obras Y Proyectos, 2017, , 20-28. | 0.2 | 3 |
| 26 | Withinâ€event spatial correlation of peak ground acceleration and spectral pseudoâ€acceleration ordinates in the Chilean subduction zone. Earthquake Engineering and Structural Dynamics, 2022, 51, 2575-2590. | 2.5 | 2 |
| 27 | Comparison of mean shear wave velocity of the top 30 m using downhole, MASW and bender elements methods. Obras Y Proyectos, 2016, , 6-15. | 0.2 | 1 |
| 28 | The Impact of a Buried Highâ€Velocity Layer in the Seismic Site Amplification of the City of Llole, Chile. Bulletin of the Seismological Society of America, 2018, 108, 2199-2208. | 1.1 | 1 |
| 29 | Geological influence on the index properties variability and shear strength probability density functions. Quarterly Journal of Engineering Geology and Hydrogeology, 0, , qjagh2020-093. | 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 |