

Jinchi Lu

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

844
citations

516710

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docs citations

34
times ranked

408
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitigation of Liquefaction-Induced Lateral Deformation in a Sloping Stratum: Three-dimensional Numerical Simulation. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2009, 135, 1672-1682.	3.0	118
2	Seismic performance of a pile-supported wharf: Three-dimensional finite element simulation. <i>Soil Dynamics and Earthquake Engineering</i> , 2017, 95, 167-179.	3.8	75
3	A 3D model for earthquake-induced liquefaction triggering and post-liquefaction response. <i>Soil Dynamics and Earthquake Engineering</i> , 2018, 110, 43-52.	3.8	65
4	Large-Scale Numerical Modeling in Geotechnical Earthquake Engineering. <i>International Journal of Geomechanics</i> , 2011, 11, 490-503.	2.7	58
5	Numerical Study of Shear Stress Distribution for Discrete Columns in Liquefiable Soils. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2014, 140, .	3.0	54
6	Numerical study on ground improvement for liquefaction mitigation using stone columns encased with geosynthetics. <i>Geotextiles and Geomembranes</i> , 2015, 43, 190-195.	4.6	50
7	LIQUEFACTION-INDUCED SETTLEMENT OF SHALLOW FOUNDATIONS AND REMEDIATION: 3D NUMERICAL SIMULATION. <i>Journal of Earthquake Engineering</i> , 2005, 9, 17-45.	2.5	45
8	Performance-based earthquake assessment of bridge systems including ground-foundation interaction. <i>Soil Dynamics and Earthquake Engineering</i> , 2012, 42, 184-196.	3.8	37
9	Using peak ground velocity to characterize the response of soil-pile system in liquefying ground. <i>Engineering Geology</i> , 2018, 240, 62-73.	6.3	35
10	A web-based platform for computer simulation of seismic ground response. <i>Advances in Engineering Software</i> , 2004, 35, 249-259.	3.8	34
11	Three-dimensional analysis of geosynthetic-encased granular columns for liquefaction mitigation. <i>Geosynthetics International</i> , 2017, 24, 45-59.	2.9	34
12	Design of DSM Grids for Liquefaction Remediation. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2013, 139, 1923-1933.	3.0	30
13	Parallel finite element modeling of earthquake ground response and liquefaction. <i>Earthquake Engineering and Engineering Vibration</i> , 2004, 3, 23-37.	2.3	27
14	Seismic fragility analysis of pile-supported wharves with the influence of soil permeability. <i>Soil Dynamics and Earthquake Engineering</i> , 2019, 122, 211-227.	3.8	26
15	Aspects of bridgeâ€ground seismic response and liquefactionâ€induced deformations. <i>Earthquake Engineering and Structural Dynamics</i> , 2020, 49, 375-393.	4.4	21
16	ParCYCLIC: finite element modelling of earthquake liquefaction response on parallel computers. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2004, 28, 1207-1232.	3.3	20
17	Using Stone Columns to Mitigate Lateral Deformation in Uniform and Stratified Liquefiable Soil Strata. <i>International Journal of Geomechanics</i> , 2019, 19, .	2.7	18
18	Lateral spreading near deep foundations and influence of soil permeability. <i>Canadian Geotechnical Journal</i> , 2017, 54, 846-861.	2.8	16

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19	A Framework for 3D Finite Element Analysis of Lateral Pile System Response. , 2009, , .		15
20	Seismic performance assessment of a pile-supported wharf retrofitted with different slope strengthening strategies. Soil Dynamics and Earthquake Engineering, 2020, 129, 105903.	3.8	13
21	Seismic performance evaluation of a pile-supported wharf system at two seismic hazard levels. Ocean Engineering, 2021, 219, 108333.	4.3	10
22	A Framework for Performance-Based Earthquake Engineering of Bridge-Abutment Systems. , 2012, , .		9
23	Numerical analysis of liquefaction-induced differential settlement of shallow foundations on an island slope. Soil Dynamics and Earthquake Engineering, 2021, 140, 106453.	3.8	8
24	OpenSees Three-Dimensional Computational Modeling of Ground-Structure Systems and Liquefaction Scenarios. CMES - Computer Modeling in Engineering and Sciences, 2019, 120, 629-656.	1.1	7
25	Boundary Effect on the Seismic Response of a Three-dimensional Soil Slope with a Shallow Foundation on Top. KSCE Journal of Civil Engineering, 2018, 22, 1130-1140.	1.9	6
26	Bridge in Narrow Waterway: Seismic Response and Liquefaction-Induced Deformations. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2022, 148, .	3.0	5
27	Assessment of the Samoa Channel Bridge-foundation seismic response. Soil Dynamics and Earthquake Engineering, 2018, 108, 150-159.	3.8	3
28	Seismic response of the Eureka Channel Bridge-Foundation system. Soil Dynamics and Earthquake Engineering, 2022, 152, 107015.	3.8	2
29	Title is missing!. Journal of Earthquake Engineering, 2005, 9, 17.	2.5	1
30	Lateral Load on a Large Pile Group: A 3D Finite Element Model. , 2013, , .		1
31	Development of web-based science portal for large-scale computing collaboration in earthquake engineering. Concurrency Computation Practice and Experience, 2014, 26, 2907-2916.	2.2	1
32	Three-Dimensional Finite Element Modeling of Pile and Pile Group System Response. , 2014, , .		0
33	Effect of Pile Diameter on the Seismic Performance of Pile Foundation. , 2017, , .		0
34	Nonlinear Seismic Response of Ground-Structure Systems: Developments and Challenges. Lecture Notes in Civil Engineering, 2021, , 46-61.	0.4	0