

Xuansheng Cheng

List of Publications by Year in descending order

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papers

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58
all docs

58
docs citations

58
times ranked

171
citing authors

#	ARTICLE	IF	CITATIONS
1	Seismic capacity evaluation of a sliding isolation concrete rectangular liquid-storage structure. <i>European Journal of Environmental and Civil Engineering</i> , 2022, 26, 635-656.	2.1	0
2	Seismic response of the elevated concrete water tower considering liquid-solid-soil interaction. <i>European Journal of Environmental and Civil Engineering</i> , 2022, 26, 4907-4931.	2.1	2
3	Experimental Study on Cement Improved Loess. <i>International Journal of Pavement Research and Technology</i> , 2022, 15, 384-394.	2.6	2
4	Fluid-solid coupling response of shield tunnel lining structure under high water pressure. <i>Marine Georesources and Geotechnology</i> , 2022, 40, 1151-1161.	2.1	6
5	Face stability analysis of large diameter shield tunnel in soft clay considering high water pressure seepage. <i>Ocean Engineering</i> , 2022, 253, 111283.	4.3	8
6	Mechanical characteristics of diversion and spillway tunnel under high in-situ stress. <i>Arabian Journal of Geosciences</i> , 2022, 15, 1.	1.3	1
7	Dynamic response of concrete tanks under far-field, long-period earthquakes. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2021, 174, 41-54.	0.8	1
8	Numerical Analysis and Shaking Table Test of Seismic Response of Tunnel in a Loess Soil Considering Rainfall and Traffic Load. <i>Rock Mechanics and Rock Engineering</i> , 2021, 54, 1005-1025.	5.4	15
9	Shaking Table Model Test of Loess Tunnel Structure under Rainfall. <i>KSCE Journal of Civil Engineering</i> , 2021, 25, 2225-2238.	1.9	10
10	System Stability of Bored Piles with Steel Supports for Deep Foundation Pits in Sandy Pebble Stratum. <i>Recent Patents on Engineering</i> , 2021, 15, 366-375.	0.4	0
11	Pounding Probability of Base-Isolated Steel Liquid Storage Tank Under Earthquake Actions. <i>Journal of Vibration Engineering and Technologies</i> , 2021, 9, 1347-1357.	2.2	6
12	Seismic Response considering LSI for Steel Rectangular Water Purification Structures. <i>KSCE Journal of Civil Engineering</i> , 2021, 25, 4261.	1.9	2
13	Seismic response of a box bridge after reinforcement with prestressed CFRP textile. <i>Australian Journal of Civil Engineering</i> , 2020, 18, 29-45.	1.6	1
14	Bending behaviour experiment of a prestressed concrete beam with metal bellows. <i>Australian Journal of Structural Engineering</i> , 2020, 21, 279-293.	1.1	1
15	Seismic Stability of Loess Tunnel with Rainfall Seepage. <i>Advances in Civil Engineering</i> , 2020, 2020, 1-16.	0.7	3
16	Flexural Performance of Prestressed Beams with Grouting Material of Various Compactnesses. <i>KSCE Journal of Civil Engineering</i> , 2020, 24, 2419-2434.	1.9	4
17	Selection Design and Parameter Optimization of Composite Foundations in Collapsible Loess Areas. <i>Geotechnical and Geological Engineering</i> , 2020, 38, 3175-3201.	1.7	5
18	Dynamic responses of loess tunnels with different cross sections under the action of earthquakes, rainwater seepage and trains. <i>Journal of Vibroengineering</i> , 2020, 22, 1427-1452.	1.0	1

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19	Liquid Sloshing Problem in a Concrete Rectangular LSS with a Vertical Baffle. Arabian Journal for Science and Engineering, 2019, 44, 4245-4256.	3.0	8
20	Dynamic Responses of Liquid Storage Tanks Caused by Wind and Earthquake in Special Environment. Applied Sciences (Switzerland), 2019, 9, 2376.	2.5	10
21	Dynamic responses of oil storage tank considering wind interference effect. Engineering Failure Analysis, 2019, 104, 1053-1063.	4.0	10
22	Pounding Dynamic Responses and Mitigation Measures of Sliding Base-isolated Concrete Rectangular Liquid Storage Structures. KSCE Journal of Civil Engineering, 2019, 23, 3146-3161.	1.9	5
23	Seismic stability of a loess tunnel under the action of train. Australian Journal of Civil Engineering, 2019, 17, 19-31.	1.6	1
24	Nonlinear Dynamic Responses of Sliding Isolation Concrete Liquid Storage Tank with Limiting-Devices. KSCE Journal of Civil Engineering, 2019, 23, 3005-3020.	1.9	4
25	Vertical seismic response of a box bridge strengthened with posttensioned, prestressed CFRP sheets. Australian Journal of Structural Engineering, 2019, 20, 75-88.	1.1	1
26	Shock Reduction Techniques for a Submarine Tunnel. Geotechnical and Geological Engineering, 2019, 37, 3781-3804.	1.7	5
27	Research on the Dynamic Parameters of Loess. Geotechnical and Geological Engineering, 2019, 37, 77-93.	1.7	5
28	Stability parameter analysis of a composite foundation of an oil storage tank in a loess area treated with compaction piles. Soils and Foundations, 2018, 58, 306-318.	3.1	14
29	Seismic stability of loess tunnels under the effects of rain seepage and a train load. Science China Technological Sciences, 2018, 61, 735-747.	4.0	9
30	Dynamic Responses of Sliding Isolation Concrete Rectangular Liquid Storage Structure with Limiting Devices Under Bidirectional Earthquake Actions. Arabian Journal for Science and Engineering, 2018, 43, 1911-1924.	3.0	13
31	Seismic Response and Safety Assessment of an Existing Concrete Chimney under Wind Load. Shock and Vibration, 2018, 2018, 1-12.	0.6	3
32	Seismic Response of Base-isolated CRLSS Considering Nonlinear Elasticity of Concrete. Journal of Asian Architecture and Building Engineering, 2018, 17, 533-540.	2.0	1
33	Seismic response of a submarine tunnel under the action of a sea wave. Marine Structures, 2018, 60, 122-135.	3.8	12
34	Thermal Bend of Concrete Rectangular Thin Plate: Two Adjacent Clamped Edges, One Simply Supported Edge, One Free Edge. Arabian Journal for Science and Engineering, 2018, 43, 5689-5699.	3.0	0
35	Dynamic Responses of a Sliding Base-isolated RLSS Considering Free Surface Liquid Sloshing. KSCE Journal of Civil Engineering, 2018, 22, 4964-4976.	1.9	11
36	Seismic Stability of a Tunnel Considering the Dynamic Geologic Parameters of Loess. Geotechnical and Geological Engineering, 2018, 36, 3583-3600.	1.7	3

#	ARTICLE	IF	CITATIONS
37	New Method for Testing the Grouting Compactness in Pre-Stressed Concrete Girder. Recent Patents on Engineering, 2018, 12, 73-81.	0.4	1
38	Simplified Model and Energy Dissipation Characteristics of a Rectangular Liquid-Storage Structure Controlled with Sliding Base Isolation and Displacement-Limiting Devices. Journal of Performance of Constructed Facilities, 2017, 31, .	2.0	28
39	Stability Analysis of a Cross-Sea Tunnel Structure under Seepage and a Bidirectional Earthquake. International Journal of Geomechanics, 2017, 17, .	2.7	12
40	Dynamic Response of Curved Wall LTSLS Under the Interaction of Rainwater Seepage and Earthquake. Geotechnical and Geological Engineering, 2017, 35, 903-914.	1.7	10
41	Seismic responses of an isolated concrete rectangular liquid-storage structure. Australian Journal of Structural Engineering, 2017, 18, 95-102.	1.1	1
42	Seismic stability analysis of subsea tunnels under the effects of seepage and temperature. Marine Georesources and Geotechnology, 2017, 35, 806-816.	2.1	8
43	Dynamic Response of Base-Isolated Concrete Rectangular Liquid-Storage Structure Under Large Amplitude Sloshing. Archives of Civil Engineering, 2017, 63, 33-45.	0.7	2
44	Pounding Dynamic Responses of Sliding Base-Isolated Rectangular Liquid-Storage Structure considering Soil-Structure Interactions. Shock and Vibration, 2017, 2017, 1-14.	0.6	8
45	Study of Baffle Boundary and System Parameters on Liquid-Solid Coupling Vibration of Rectangular Liquid-Storage Structure. Shock and Vibration, 2016, 2016, 1-10.	0.6	3
46	Thermal bending of Rectangular Thin Plate with two opposite edges clamped, one edge simply supported and one edge free. KSCE Journal of Civil Engineering, 2016, 20, 333-342.	1.9	4
47	Liquid-solid Interaction Seismic Response of an Isolated Overground Rectangular Reinforced-concrete Liquid-storage Structure. Journal of Asian Architecture and Building Engineering, 2015, 14, 175-180.	2.0	9
48	The thermal bend of RTP with one edge clamped and two edges simply supported and one edge free. Archive of Applied Mechanics, 2015, 85, 287-302.	2.2	2
49	Seismic Stability of Subsea Tunnels Subjected to Seepage. Scientific World Journal, The, 2014, 2014, 1-8.	2.1	4
50	Seismic Responses of an Added-Story Frame Structure with Viscous Dampers. Mathematical Problems in Engineering, 2014, 2014, 1-9.	1.1	3
51	Seismic response of fluid-structure interaction of undersea tunnel during bidirectional earthquake. Ocean Engineering, 2014, 75, 64-70.	4.3	42
52	Fluid-solid interaction dynamic response of masonry structures under debris flow action. European Journal of Environmental and Civil Engineering, 2013, 17, 841-859.	2.1	8
53	Soil mass stability analysis of circular unlined loess tunnel under earthquake action. , 2010, , 1127-1134.		2
54	Engineering characteristics test on pile-net composite foundation in loess areas. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 0, , 1-12.	1.6	0

#	ARTICLE	IF	CITATIONS
55	Seismic characteristics of isolated plate-shell integrated concrete LSS. European Journal of Environmental and Civil Engineering, 0, , 1-19.	2.1	2
56	Shaking table test of combination isolation plate-shell integrated concrete liquid-storage structure. Canadian Journal of Civil Engineering, 0, , .	1.3	0
57	Performance of High Speed Railway Subgrade Strengthened by Long-Short Pilesâ€™Part I: Experimental Results. Geotechnical and Geological Engineering, 0, , .	1.7	1
58	Performance of High Speed Railway Subgrade Strengthened by Long-Short Piles: Part IIâ€™Numerical Modelling. Geotechnical and Geological Engineering, 0, , .	1.7	0