

# Xuansheng Cheng

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/827725/publications.pdf>

Version: 2024-02-01

58  
papers

333  
citations

933447

10  
h-index

1058476

14  
g-index

58  
all docs

58  
docs citations

58  
times ranked

171  
citing authors

#	ARTICLE	IF	CITATIONS
1	Seismic response of fluid-structure interaction of undersea tunnel during bidirectional earthquake. <i>Ocean Engineering</i> , 2014, 75, 64-70.	4.3	42
2	Simplified Model and Energy Dissipation Characteristics of a Rectangular Liquid-Storage Structure Controlled with Sliding Base Isolation and Displacement-Limiting Devices. <i>Journal of Performance of Constructed Facilities</i> , 2017, 31, .	2.0	28
3	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
4	Stability parameter analysis of a composite foundation of an oil storage tank in a loess area treated with compaction piles. <i>Soils and Foundations</i> , 2018, 58, 306-318.	3.1	14
5	Dynamic Responses of Sliding Isolation Concrete Rectangular Liquid Storage Structure with Limiting Devices Under Bidirectional Earthquake Actions. <i>Arabian Journal for Science and Engineering</i> , 2018, 43, 1911-1924.	3.0	13
6	Stability Analysis of a Cross-Sea Tunnel Structure under Seepage and a Bidirectional Earthquake. <i>International Journal of Geomechanics</i> , 2017, 17, .	2.7	12
7	Seismic response of a submarine tunnel under the action of a sea wave. <i>Marine Structures</i> , 2018, 60, 122-135.	3.8	12
8	Dynamic Responses of a Sliding Base-isolated RLSS Considering Free Surface Liquid Sloshing. <i>KSCE Journal of Civil Engineering</i> , 2018, 22, 4964-4976.	1.9	11
9	Dynamic Response of Curved Wall LTSLs Under the Interaction of Rainwater Seepage and Earthquake. <i>Geotechnical and Geological Engineering</i> , 2017, 35, 903-914.	1.7	10
10	Dynamic Responses of Liquid Storage Tanks Caused by Wind and Earthquake in Special Environment. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2376.	2.5	10
11	Dynamic responses of oil storage tank considering wind interference effect. <i>Engineering Failure Analysis</i> , 2019, 104, 1053-1063.	4.0	10
12	Shaking Table Model Test of Loess Tunnel Structure under Rainfall. <i>KSCE Journal of Civil Engineering</i> , 2021, 25, 2225-2238.	1.9	10
13	Liquid-solid Interaction Seismic Response of an Isolated Overground Rectangular Reinforced-concrete Liquid-storage Structure. <i>Journal of Asian Architecture and Building Engineering</i> , 2015, 14, 175-180.	2.0	9
14	Seismic stability of loess tunnels under the effects of rain seepage and a train load. <i>Science China Technological Sciences</i> , 2018, 61, 735-747.	4.0	9
15	Fluid-solid interaction dynamic response of masonry structures under debris flow action. <i>European Journal of Environmental and Civil Engineering</i> , 2013, 17, 841-859.	2.1	8
16	Seismic stability analysis of subsea tunnels under the effects of seepage and temperature. <i>Marine Georesources and Geotechnology</i> , 2017, 35, 806-816.	2.1	8
17	Pounding Dynamic Responses of Sliding Base-Isolated Rectangular Liquid-Storage Structure considering Soil-Structure Interactions. <i>Shock and Vibration</i> , 2017, 2017, 1-14.	0.6	8
18	Liquid Sloshing Problem in a Concrete Rectangular LSS with a Vertical Baffle. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 4245-4256.	3.0	8

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	Pounding Dynamic Responses and Mitigation Measures of Sliding Base-isolated Concrete Rectangular Liquid Storage Structures. <i>KSCE Journal of Civil Engineering</i> , 2019, 23, 3146-3161.	1.9	5
23	Shock Reduction Techniques for a Submarine Tunnel. <i>Geotechnical and Geological Engineering</i> , 2019, 37, 3781-3804.	1.7	5
24	Research on the Dynamic Parameters of Loess. <i>Geotechnical and Geological Engineering</i> , 2019, 37, 77-93.	1.7	5
25	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
26	Seismic Stability of Subsea Tunnels Subjected to Seepage. <i>Scientific World Journal</i> , The, 2014, 2014, 1-8.	2.1	4
27	Thermal bending of Rectangular Thin Plate with two opposite edges clamped, one edge simply supported and one edge free. <i>KSCE Journal of Civil Engineering</i> , 2016, 20, 333-342.	1.9	4
28	Nonlinear Dynamic Responses of Sliding Isolation Concrete Liquid Storage Tank with Limiting-Devices. <i>KSCE Journal of Civil Engineering</i> , 2019, 23, 3005-3020.	1.9	4
29	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
30	Seismic Responses of an Added-Story Frame Structure with Viscous Dampers. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-9.	1.1	3
31	Study of Baffle Boundary and System Parameters on Liquid-Solid Coupling Vibration of Rectangular Liquid-Storage Structure. <i>Shock and Vibration</i> , 2016, 2016, 1-10.	0.6	3
32	Seismic Response and Safety Assessment of an Existing Concrete Chimney under Wind Load. <i>Shock and Vibration</i> , 2018, 2018, 1-12.	0.6	3
33	Seismic Stability of a Tunnel Considering the Dynamic Geologic Parameters of Loess. <i>Geotechnical and Geological Engineering</i> , 2018, 36, 3583-3600.	1.7	3
34	Seismic Stability of Loess Tunnel with Rainfall Seepage. <i>Advances in Civil Engineering</i> , 2020, 2020, 1-16.	0.7	3
35	The thermal bend of RTP with one edge clamped and two edges simply supported and one edge free. <i>Archive of Applied Mechanics</i> , 2015, 85, 287-302.	2.2	2
36	Dynamic Response of Base-Isolated Concrete Rectangular Liquid-Storage Structure Under Large Amplitude Sloshing. <i>Archives of Civil Engineering</i> , 2017, 63, 33-45.	0.7	2

#	ARTICLE	IF	CITATIONS
37	Seismic response of the elevated concrete water tower considering liquid-solid-soil interaction. European Journal of Environmental and Civil Engineering, 2022, 26, 4907-4931.	2.1	2
38	Experimental Study on Cement Improved Loess. International Journal of Pavement Research and Technology, 2022, 15, 384-394.	2.6	2
39	Seismic Response considering LSI for Steel Rectangular Water Purification Structures. KSCE Journal of Civil Engineering, 2021, 25, 4261.	1.9	2
40	Seismic characteristics of isolated plate-shell integrated concrete LSS. European Journal of Environmental and Civil Engineering, 0, , 1-19.	2.1	2
41	Soil mass stability analysis of circular unlined loess tunnel under earthquake action. , 2010, , 1127-1134.		2
42	Seismic responses of an isolated concrete rectangular liquid-storage structure. Australian Journal of Structural Engineering, 2017, 18, 95-102.	1.1	1
43	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
44	Seismic stability of a loess tunnel under the action of train. Australian Journal of Civil Engineering, 2019, 17, 19-31.	1.6	1
45	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
46	Seismic response of a box bridge after reinforcement with prestressed CFRP textile. Australian Journal of Civil Engineering, 2020, 18, 29-45.	1.6	1
47	Bending behaviour experiment of a prestressed concrete beam with metal bellows. Australian Journal of Structural Engineering, 2020, 21, 279-293.	1.1	1
48	Dynamic response of concrete tanks under far-field, long-period earthquakes. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2021, 174, 41-54.	0.8	1
49	New Method for Testing the Grouting Compactness in Pre-Stressed Concrete Girder. Recent Patents on Engineering, 2018, 12, 73-81.	0.4	1
50	Dynamic responses of loess tunnels with different cross sections under the action of earthquakes, rainwater seepage and trains. Journal of Vibroengineering, 2020, 22, 1427-1452.	1.0	1
51	Mechanical characteristics of diversion and spillway tunnel under high in-situ stress. Arabian Journal of Geosciences, 2022, 15, 1.	1.3	1
52	Performance of High Speed Railway Subgrade Strengthened by Long-Short Piles-Part I: Experimental Results. Geotechnical and Geological Engineering, 0, , .	1.7	1
53	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
54	Seismic capacity evaluation of a sliding isolation concrete rectangular liquid-storage structure. European Journal of Environmental and Civil Engineering, 2022, 26, 635-656.	2.1	0

#	ARTICLE	IF	CITATIONS
55	Engineering characteristics test on pileâ€‘net composite foundation in loess areas. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 0, , 1-12.	1.6	0
56	System Stability of Bored Piles with Steel Supports for Deep Foundation Pits in Sandy Pebble Stratum. Recent Patents on Engineering, 2021, 15, 366-375.	0.4	0
57	Shaking table test of combination isolation plate-shell integrated concrete liquid-storage structure. Canadian Journal of Civil Engineering, 0, , .	1.3	0
58	Performance of High Speed Railway Subgrade Strengthened by Long-Short Piles: Part IIâ€‘Numerical Modelling. Geotechnical and Geological Engineering, 0, , .	1.7	0