

# Xuesong Cheng

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3511712/publications.pdf>

Version: 2024-02-01

11  
papers

203  
citations

1307543

7  
h-index

1372553

10  
g-index

11  
all docs

11  
docs citations

11  
times ranked

169  
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of the collapse mechanism of shield tunnels due to the failure of segments in sandy ground. <i>Engineering Failure Analysis</i> , 2017, 79, 464-490.	4.0	70
2	Characteristics and prediction methods for tunnel deformations induced by excavations. <i>Geomechanics and Engineering</i> , 2017, 12, 361-397.	0.9	34
3	The Efficiency of the Ability of Isolation Piles to Control the Deformation of Tunnels Adjacent to Excavations. <i>International Journal of Civil Engineering</i> , 2018, 16, 1475-1490.	2.0	22
4	Use of Grouting to Control Horizontal Tunnel Deformation Induced by Adjacent Excavation. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2020, 146, .	3.0	21
5	Deformation and Protection of Existing Tunnels at an Oblique Intersection Angle to an Excavation. <i>International Journal of Geomechanics</i> , 2020, 20, .	2.7	20
6	Post-failure behavior of tunnel heading collapse by MPM simulation. <i>Science China Technological Sciences</i> , 2015, 58, 2139-2152.	4.0	14
7	Experimental Research on the Transverse Effective Bending Rigidity of Shield Tunnels. <i>Advances in Civil Engineering</i> , 2019, 2019, 1-17.	0.7	12
8	Diaphragm wall deformation and ground settlement caused by dewatering before excavation in strata with leaky aquifers. <i>Geotechnique</i> , 2024, 74, 1-17.	4.0	5
9	Displacement of Pile-Reinforced Slopes with a Weak Layer Subjected to Seismic Loads. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-10.	1.1	3
10	Performances and Working Mechanisms of Inclined Retaining Structures for Deep Excavations. <i>Advances in Civil Engineering</i> , 2020, 2020, 1-18.	0.7	2
11	Mobilizable Strength Design for Multibench Retained Excavation. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-9.	1.1	0