

Index No.	Paper No.	Paper Title	Authors	Affiliation
155	009	Geosynthetics, an Emerging Technology In Foundation Soil Stabilization In The Third World Nations For Sustainable Development	K Onyelowe and F Okafor	College of Engineering, Michael Okpara University of Agriculture, Nigeria
156	011	Review of the synthesis of nano-sized ash from local waste for use as admixture or filler in engineering soil stabilization or concrete production	K Onyelowe	College of Engineering, Michael Okpara University of Agriculture, Nigeria
157	014	Deformation calculation of subway-tunnel under symmetrical deep excavation	Zhang SM and Feng T	Anhui university of science and technology, China
158	016	Experimental study of multistep creep properties of green sandstone	T Xu	North-eastern University, China
159	024	Earth Fissuring Due to Groundwater Extraction in Henglin, Changzhou, Jiangsu, China	G Wang, G You, J Zhu, J Yu and Y Yu	School of Engineering and Information Technology, Federation University Australia, Australia
160	036	Rubber cushion role in the joints of concrete segments in shield tunnel: insight into 3d finite element modelling	Z Zhang and J Feng	China University of Mining and Technology, China
161	038	Evaluation of excavated rock mass quality and high slope stability relating to Baihetan arch dam	P Lin, J Shi and Z Wang	Tsinghua University, China
162	045	Behaviour of bi-planar geonet in landfill leachate collection and removal systems	N Yarahmadi, IGratchev, DSeng and D Gibbs	Griffith University Gold Coast Campus, Australia
163	052	Analysis on the disaster mechanism of water inrush and mud bursting in water-rich fault tunnel by using a large 3D model test system and numerical simulation	S Li, Y Tan, Q Zhang, L Li, Q Zhang and X Zhang	Shandong University, China



164	055	Numerical Analysis and Deformation Control Measures for Newly-Built Subway Station Laterally Passing the Existing Underground Structures in Close Distance	K Wu, H Wu, W Zhang and Y Wang	Shandong University, China
165	060	Calculation on Self-bearing Capacity for An Advancing Circular Tunnel through the Viscoelastic-plastic Rheological Rocks	J Yu, YQ Zhou and JZ Zhang	China University of Mining and Technology & Huaqiao University
166	070	A new style supporting structure and its filed application	S Li, FXu, L Li, S Shi, Q Zhang, Z Zhou and P He	Shandong University, China
167	071	Prediction of tunnel squeezing considering rock creep and its application	Z Chen, C Xia and Y Lv	Shaoxing University, China
168	082	Numerical simulation of dynamic response of tunnel structure to seismic loads using DEM	L Yang and J Mei	Shandong University, China
169	106	A critical review on microbial induced calcite precipitation for soil improvement and an experimental finding	MM Rahman	University of South Australia, Australia
170	109	The response characteristics of the unfavourable geological body in different forecasting methods and a comprehensive forecast interpretation and optimization	L Li, Y Zhang, S Li and S Shi	Shandong University, China
171	111	The mechanism of ground delayed settlement induced by shield tunnelling in mixed-face based on Particle Flow Code	M Gao, R Zhang and Z Qiu	Sichuan University, China
172	113	Slope stability on nearby tunnelling route	X Geng, H Sun and F Wang	University of Warwick, UK
173	114	Sediment Incipient Motion over a Porous Pavement under Surface Runoff: Experiments and Modelling	J Zhang, L Li, XCui and Y Hou	Shandong University, China



174	117	Assessment of Displacement Field Between Two	S Amirrahmat, A Pourkand, S	New Mexico Institute of Mining and
1/4	117	Adjacent Tunnels Using Digital Image Correlation	Afrooz and M Razavi	Technology
175	121	Anisotropic Deformation in Lamellar Soft Rock	P Sha, F Wu and N Liang	College of Civil Engineering
		Tunnels		Shaoxing University
176	123	Centrifuge modelling tests on tensioned bolt retaining	J Gao, J Jia and H Wang	Dalian University of Technology,
		structures		China
177	140	Geotechnical design methodology for underground	M Sharifzadeh, AThompson and B Rahimi	Western Australian School of Mines, Curtin University, Australia
		excavation - with emphasis on hard rock at deep and		
		high stress condition		
178	141	Non-contact rock mass characterization for	M Sharifzadeh, B Ferdosi	Western Australian School of Mines,
170	141	underground excavation	and S Chen	Curtin University, Australia
179	147	A new model based on support vector machine to	M Khandelwal and Ranjith	Federation University Australia,
173		estimate air flow in a single rock joint	PG	Australia
	163	Investigation of the strengthening effects on metro	Z Sun, S Li, R Liu, L Zhang, Q Zhang and X Feng	Shandong University, China
180		excavation foundation of various parameters based on		
		the field studies of cement-silicate grouting	Zhang ana A reng	
181	169	Deformation calculation of subway-tunnel under	Zhang S and Feng T	Anhui university of science and
101		symmetrical		technology, China
182	172	Analysis of a Circular Tunnel Deeply Embedded in	F Liu, C Yang and X Geng	Shanghai University, China
102		Saturated Elastic Soil under Blast Load		Shanghar Ghrvershty, China
183	176	Study on permeation grouting behaviour in silty fine	F Wang, X Liu, E Wang and G	Tsinghua University, China
		sand layer with high water level	Han	Tongona om Corty, China
184	179	A new method for slope stability assessment based on	Y Guan, X Liu, E Wang and Z	Tsinghua University, China
		particle model	Cao	13mgnaa omversity, emma



105	100	Research on the water retention and gas permeability	J Liu, S Yang, H Yuan and F	China University of Petroleum,
185	182	of Opalinus clay	Skoczylas	China
186	194	Model Test Study on the Dynamic Stress Response of Subgrade Structure of the High-Speed Rail under Train Load	L Jiang, X Xu, S Xiong and S Chen	Institute of Rock and Soil Mechanics, Chinese Academy of Science, China
187	198	Discussion on the Cracking of Expansive Soil by Using Digital Speckle Correlation Method	X Xu, L Jiang and S Chen	Institute of Rock and Soil Mechanics, Chinese Academy of Science, China
188	201	Performance of a Pressurized Concrete Tunnel Lining	B Binici, K Tuncay and IO Yaman	Middle East Technical University, Turkey
189	208	Effects of tension cracks on hydro-mechanical behaviour of unsaturated soils	N Mohammad, D Hanaor, A El-Zein and Y Gan	The University of Sydney, Australia
190	210	Fracture Behaviour of Rock Masses around High Pressurized Gas Storage Cavern	P Jongpradist and YPunya-In	King Mongkut's University of Technology Thonburi, Thailand
191	219	Modulus Reduction Method for Calculating Dynamic Additional Settlement of Subgrade due to Moving Train Loading	S Chen, H Luo and S Chen	Institute of Rock and Soil Mechanics, Chinese Academy of Science, China
192	225	Plant- derived urease induced sand cementation used in geotechnical engineering applications	RAN Dilrukshi and S Kawasaki	Hokkaido University, Japan
193	237	The Third Medium Contact Mechanics Method for Consolidation Analysis of Geotechnical Problems	M Khishvand and M Nazem	The University of Newcastle, Australia
194	240	Stiffness and damping of granular soils in a wide range of strains: A review with micromechanical considerations	K Senetakis and H He	University of New South Wales, Australia
195	241	Static load testing of piles: a review	M Aghayarzadeh	Rahyab Sanat Company, Iran



196	255	Elasto-plastic analysis of deformations in twin	IA Khan, K Venkatesh and RK	Motilal Nehru National Institute of
190	233	interacting horse shoe tunnels	Srivastava	Technology Allahabad, India
197	272	Structural Analysis of Permeability Tunnel with Rib Arch Beam Liquefaction behaviour of granular materials:	F Yu and S Chen	State Key Laboratory of Geomechanics and Geotechnical
				Engineering, China University of South Australia,
198	275	experimental and DEM study	M Rahman	Australia
199	283	Failure mechanism and control of deep gate roads: A case study	He F	China University of Mining and Technology, China
200	304	Assessment of stress intensity factors in buried metal pipes subjected to loading	C Li	Royal Melbourne Institute of Technology, Australia
201	306	Slope stability analysis using horizontal slice method	M Shah	Applied Mechanics, L.D. College of Engineering, Ahmedabad, Gujarat, India
202	312	Modification of bentonite for enhanced containment of hyper saline leachates	A Fehervari	Monash University, Australia