**第15届亚洲土力学及岩土工程学术会议论文摘要信息**

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| **No** | **Authors** | **Title of paper** | **Affiliation** |
| 1 | Xing Liu, Rui Wang, Jian-Min Zhang  | Three-dimensional finite element analysis of pile group dynamic response | Tsinghua University |
| 2 | Rui Wang, Jian-Min Zhang  | Three-dimensional seismic analysis of single piles in liquefiable ground | Tsinghua University |
| 3 | Yang Li, Changhui Ma, Wei Huang, Ga Zhang  | Numerical analysis of dewatering-induced deformation of foundation pit | Tsinghua UniversityCentral-South Architectural Design Institute Co. Ltd. |
| 4 | Xingxing Zhang, Jian-Min Zhang, Yanfeng Wen  | An elasto-plastic constitutive model of rockfill material considering residual volumetric deformation | Tsinghua UniversityChina Institute of Water Resources and Hydropower Research |
| 5 | Honglin Lin, Jianhong Zhang  | Experimental and numerical simulation of bonded granular materials | Tsinghua University |
| 6 | Liming Hu, Hui Wu, Pengwei Zhang, Peiyuan Zang | Mechanical characteristics of mine tailings and Stability of tailing reservoir | Tsinghua University |
| 7 | Quanmei Gong, Gaoxiao Han, Binglong Wang, Shunhua Zhou | The load sharing behaviour of geosynthetic-reinforced and pile-supported high-speed railway subgrade under fill and dynamic loads | Tongji University |
| 8 | Yu Huang, Lin Wang | Physicochemical characteristics of nanoparticles for seismic liquefaction mitigation | Tongji University |
| 9 | Linlong Mu, Maosong Huang | Small strain model based method for analysis of pile responses induced by excavation | Tongji University |
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| 11 | Xinping Fan, Maosong Huang, Haoran Wang | Stability analysis of MSW slope layered by ageing | Tongji University |
| 12 | Chongqiang Zhu,Yu Huang | Numerical simulation of the earthquake-induced landslide run-out using modified MPS | Tongji University |
| 13 | Junhui Luo, Linchang Miao, Wenbo Shi  | The analysis and research of dynamic pore pressure | Southeast University |
| 14 | Junhui Luo, Linchang Miao, Wenbo Shi | Slope stability analysis of shilu iron mine | Southeast University |
| 15 | Guanghua Cai, Songyu Liu, Xu Zheng, Jingjing Cao | Experimental study on mechanical and acid-alkali properties of reactive magnesia carbonated-stabilized soil | Southeast University |
| 16 | Hanliang Bian, Songyu Liu, Guojun Cai, Ya Chu | Influence of diesel oil pollution on the electrical properties of soils | Southeast University |
| 17 | Ya Chu, Songyu Liu, Guojun Cai, Hanliang Bian | A study in the physical and electrical properties of silty clay contaminated by heavy metal zinc | Southeast University |
| 18 | Changsheng Wu, Zhiduo Zhu | Application and evaluation of bidirectional cement-soil mixing column with variable cross-section for soft foundation treatment in Jinjiang airport | Southeast University |
| 19 | C.F.Chiu, Suna Wang, Guohui Lei  | Effects of microstructures on permeability of lead-contaminated soil stabilized by cement and rice husk ash | Hohai University |
| 20 | Junping Yuan, Yanling Lin, Peng Ding, Qianglin Wang  | Shear behavior of the interface between expansive soil and sand liner during wetting-drying cycles | Hohai University |
| 21 | Gguohui Lei, H. S. Sun, C. W. W. Ng, A. C. F. Chiu | Stresses under linearly distributed pressures by extended Mindlin’s equations | Hohai UniversityHong Kong University of Science and Technology |
| 22 | Chunlei Zhang, Qingsong Liu  | A study on the bearing capacity of cemented layer overlaying dredged sediment | Hohai UniversityEngineer, BGI Engineering Consultants LTD. |
| 23 | Jinfang Hou, Rongli Wang, Xiaoqiang Kou  | Analysis on foundation settlement and island wall deformation of offshore artificial island | CCCC Tianjin Port Engineering Institute Co., Ltd. |
| 24 | Xiaoqiang Kou, Aimin Liu, Jinfang Hou, Aihua Liang  | Long-term settlement prediction of fast constructed artificial island | CCCC Tianjin Port Engineering Institute Co., Ltd. |
| 25 | Binbin Xu, Guoliang Ye, Aimin Liu, Toshihiro Noda | Stability analysis of large-diameter hollow steel cofferdam of artificial island taking soil disturbance into account | CCCC Tianjin Port Engineering Institute Co., Ltd., Nagoya University |
| 26 | Aimin Liu, Guoliang Ye, Yaotong Zhu  | Research on consolidation characteristics of ultra-soft clay | Tianjin University,CCCC Tianjin Port Engineering Institute, Ltd. |
| 27 | Chenghua Wang, Zhengyi Wan, Chenglin Zhang  | Experimental researches and numerical analyses of non-orthogonal rainfall infiltration on the surfaces of unsaturated sand slopes | Tianjin University |
| 28 | Shuwang Yan, Bingchuan,Guo,Liqiang Sun | Cracking mechanism of soft clay in evaporation and desiccation conditions | Tianjin University |
| 29 | Liang Dong, Suoting Hu, Guotang Zhao, Bin Niu, Degou Cai  | Research on the influence law of bridge foundation settlement with seasonal underground water level change on high speed railway | China Academy of railway Sciences China Railway Corporation |
| 30 | Yangsheng Ye, Degou Cai, Hongye Yan, Jianping Yao, Qianli Zhang  | The mechanism analysis of micro frost heave coarse-grained filling material in the high-speed railway | China Academy of railway Sciences China Railway Corporation |
| 31 | Guotang Zhao, Guotao Yang, Degou Cai, Hongye Yan, Jianping Yao, Qianli Zhang, Yangsheng Ye  | Experimental study on frost heave of high-speed railway subgrade in the seasonally frozen region | China Academy of railway Sciences China Railway Corporation |
| 32 | Xin Huang, Yang Pan, Jin Pi, Jianwei Yang  | Study on new cementitious materials used in super saline soil | Beihang University |
| 33 | Shiyang Li, Yu Hao, Yin Cheng, Xin Huang  | Comparison of post-construction settlement of the foundation with top sand layer and underlying mud layer treated by different methods | Beihang University |
| 34 | Yuchao Li, Han Ke, Xing Tong, Yiduo Wen, Yunmin Chen  | A large-scale test of consolidation behavior of soil-bentonite cutoff wall | Zhejiang University |
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| 37 | Biwei Gong, Zhanlin Cheng, Jun Tong, Jun Liu, Ming Liu | Field test study on expansive soil canal of South to North Water Diversion Project | Changjiang River Scientific Research Institute |
| 38 | Yanjing Teng, Rongnian Li  | Experimental study on shear failure characteristic of spread foundations | Institute of Foundation Engineering, China Academy of Building Research |
| 39 | Weidong Wang, Jiangbin Wu  | Monitoring and performance of foundation of shanghai world financial center | East China Architectural Design & Research Institute |
| 40 | Wenguang Fu  | The application of composited soil nail wall in china | China JingYe Engineering Corporation Limited Company |
| 41 | Lingwei Kong, Zhiliang Sun, Aiguo Guo, Hai Tian  | Influence of stress ratio and moisture condition of loose deposit on dynamic parameters and ground response spectrum | Institute of Rock and Soil Mechanics, Chinese Academy of Sciences |
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| 43 | Xiang Li, Xibing Li  | Support vector regression approach for implicit limit-state function of slope reliability assessment | Central South University |
| 44 | Cong Ma, Longzhu Chen, Bing Chen  | Experimental study on soft clay stabilized with cement-based stabilizer | Shanghai Jiaotong University |
| 45 | Jianlin Ma, Dan Zhao, Yanxin Yang, Peng Sun | The challenge and development of geotechnical engineering of beijing-shanghai high-speed railway (BS HSR) | Southwest Jiaotong University |
| 46 | Qingke Nie, Bing Bai, Sichen Jiang, Tao Yu, Huawei Li  | The transport processes of soluble contaminant in unsaturatedsoils under pond infiltration | Hebei Research Institute of Construction and Geotechnical Investigation Co. Ltd, Beijing Jiaotong University |
| 47 | Junneng Ye, Bin Chen  | Practices in the design of excavation engineering for Ningbo rail transit | Ningbo urban rail transit project construction headquarters |
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| 50 | ChengCheng Zhang, Honghu Zhu, Guoxiong Mei, Bin Shi  | Modeling one-dimensional compression behavior of soft clay using fractional derivatives | Nanjing University |
| 51 | Yujing Hou, R Peng., X.D. Zhang., Q.L.Sun  | Centrifuge model test of municipal solid waste landslide | China Institute of Water Resources and Hydropower Research |