

目 次

论 文

- 高地震烈度区深厚覆盖砂层液化研究 蔡正银, 吴诗阳, 武颖利, 张世殊 (405)
裂隙岩体含水层六价铬污染的修复 刘松玉, 刘宣昭, 赵洁丽, 张文伟, 刘威, 范日东 (413)
局部锚杆失效对桩锚基坑支护体系的影响及其机理研究 郑刚, 雷亚伟, 程雪松, 李溪源, 王若展 (421)
白鹤滩水电站错动带非线性渗透参数的原位试验确定 周志芳, 李思佳, 王哲, 郭巧娜, 石安池, 陈朦, 沈琪 (430)
用 Bayes 法及后验分布极限确定土力学参数 阮永芬, 魏德永, 杨均, 高骏, 刘克文, 彭栓栓 (438)
降雨对软土基坑支护结构影响实测及机理研究 刘畅, 季凡凡, 郑刚, 刘涛, 刘永超 (447)
基于微震与电磁辐射联合监测的多元岩爆预警方法研究 周春华, 李云安, 尹健民, 汪洋, 周朝, 郭喜峰 (457)
常偏应力剪切条件下砂土失稳模式的离散元模拟 刘洋, 樊猛, 晏洲毅 (467)
上部结构-土-隧道相互作用体系振动台试验模型土的设计与试验研究 谢军, 包淑贤, 胡英飞, 倪雅静, 李延涛 (476)
地震动强度参数与地铁车站结构动力响应指标分析 钟紫蓝, 申轶尧, 甄立斌, 张成明, 赵密, 杜修力 (486)
岩石类材料动态强度准则 胡晶, 姚仰平, 张雪东, 魏迎奇, 张紫涛, 陈祖煜 (495)
昔格达地层隧道局部浸湿失稳特征及突变预测研究 周平, 王志杰, 侯伟名, 周飞聪, 杜彦良, 冯冀蒙, 徐海岩 (503)
剪胀型土剪胀特性的大数据深度挖掘与模型研究 杨骏堂, 刘元雪, 郑颖人, 何少其 (513)
张开度影响的水平裂隙类岩试件破断试验与分析 曾佳君, 张志军, 张栩栩, 蒲成志 (523)
武汉古河道承压水井流理论及在基坑降水中应用 吕斌泉, 冯晓腊, 熊宗海 (533)
基于矿物晶体模型非均质岩石单轴压缩力学特性研究 刘黎旺, 李海波, 李晓锋, 张国凯, 武仁杰 (542)
群孔微差爆破的地表振动波形预测及其效应分析 刘小鸣, 陈士海 (551)

短 文

- 粗粒料颗粒破碎变化规律大型三轴试验研究 刘萌成, 孟峰, 王洋洋 (561)
黏性土中裙式吸力基础沉贯与注水拔出试验研究 李大勇, 王栋林, 张雨坤, 高玉峰 (568)
白鹤滩右岸地下厂房顶拱深层变形机理分析 孟国涛, 何世海, 陈建林, 吴家耀, 陈平志, 段兴平 (576)
薄膜压力传感器(FSR)曲面土压力测量研究 刘开源, 许成顺, 贾科敏, 张小玲 (584)
初始主应力方向角对饱和珊瑚砂液化特性影响的试验 马维嘉, 陈国兴, 秦悠, 吴琪 (592)

简 讯

- 第 29 届全国土工测试学术研讨会通知 (437)
标准摘录: 出版物上数字用法(GB/T 15835—2011)选用阿拉伯数字情形 (485)
标准摘录: 出版物上数字用法(GB/T 15835—2011)选用汉字数字情形 (502)
标准摘录: 出版物上数字用法(GB/T 15835—2011)选用阿拉伯数字与汉字数字均可情形 (560)
《岩土工程学报》征订启事 (575)
本期广告索引 (600)
《岩土工程学报》第十二届编委会名单 (扉页 I)
征稿简则 (扉页 II)

CONTENTS

PAPERS

Liquefaction of deep overburden layers in zones with high earthquake intensity	CAI Zheng-yin, WU Shi-yang, WU Ying-li, ZHANG Shi-shu (405)
Remediation of fractured rock aquifers contaminated by hexavalent chromium	LIU Song-yu, LIU Yi-zhao, ZHAO Jie-li, ZHANG Wen-wei, LIU Wei, FAN Ri-dong (413)
Influences and mechanisms of anchor failure on anchored pile retaining system of deep excavations	ZHENG Gang, LEI Ya-wei, CHENG Xue-song, LI Xi-yuan, WANG Ruo-zhan (421)
Determination of nonlinear permeability parameters for shear zones in Baihetan Hydropower Station by in-situ tests	ZHOU Zhi-fang, LI Si-jia, WANG Zhe, GUO Qiao-na, SHI An-chi, CHEN Meng, SHEN Qi (430)
Determination of soil mechanics parameters based on Bayes method and posterior distribution limit	RUAN Yong-fen, WEI De-yong, YANG Jun, GAO Jun, LIU Ke-wen, PENG Shuan-shuan (438)
Measurement and mechanism of influences of rainfall on supporting structures of foundation pits in soft soils	LIU Chang, JI Fan-fan, ZHENG Gang, LIU Tao, LIU Yong-chao (447)
Multivariate early warning method for rockbursts based on comprehensive microseismic and electromagnetic radiation monitoring	ZHOU Chun-hua, LI Yun-an, YIN Jian-min, WANG Yang, ZHOU Chao, GUO Xi-feng (457)
DEM simulation of instability mode in sand under constant shear drained conditions	LIU Yang, FAN Meng, YAN Zhou-yi (467)
Design and experimental research on model soils used for shaking table tests of superstructure-soil-tunnel interaction system	XIE Jun, BAO Shu-xian, HU Ying-fei, NI Ya-jing, LI Yan-tao (476)
Ground motion intensity measures and dynamic response indexes of metro station structures	ZHONG Zi-lan, SHEN Yi-yao, ZHEN Li-bin, ZHANG Cheng-ming, ZHAO Mi, DU Xiu-li (486)
Dynamic strength criterion for rock-like materials	HU Jing, YAO Yang-ping, ZHANG Xue-dong, WEI Ying-qi, ZHANG Zi-tao, CHEN Zu-yu (495)
Local slaking instability characteristics and catastrophic prediction of deep tunnels in Xigeda strata	ZHOU Ping, WANG Zhi-jie, HOU Wei-ming, ZHOU Fei-cong, DU Yan-liang, FENG Ji-meng, XU Hai-yan (503)
Deep mining of big data and model tests on dilatancy characteristics of dilatant soils	YANG Jun-tang, LIU Yuan-xue, ZHENG Ying-ren, HE Shao-qi (513)
Fracture test and analysis of horizontal fissure rock-like specimens influenced by apertures	ZENG Jia-jun, ZHANG Zhi-jun, ZHANG Xu-xu, PU Cheng-zhi (523)
Theory of artesian well flow in ancient river in Wuhan and its application in foundation pit dewatering	LÜ Bin-quan, FENG Xiao-la, XIONG Zong-hai (533)
Research on mechanical properties of heterogeneous rocks using grain-based model under uniaxial compression	LIU Li-wang, LI Hai-bo, LI Xiao-feng, ZHANG Guo-kai, WU Ren-jie (542)
Prediction and effect analysis of surface vibration waveform for group hole delay blasting	LIU Xiao-ming, CHEN Shi-hai (551)
NOTES	
Evolution of particle crushing of coarse-grained materials in large-scale triaxial tests	LIU Meng-cheng, MENG Feng, WANG Yang-yang (561)
Model tests on penetration and extraction of modified suction caissons in clay	LI Da-yong, WANG Dong-lin, ZHANG Yu-kun, GAO Yu-feng (568)
Mechanism of deep deformation of roof arch of underground powerhouse at right bank of Baihetan Hydropower Station	MENG Guo-tao, HE Shi-hai, CHEN Jian-lin, WU Jia-yao, CHEN Ping-zhi, DUAN Xin-ping (576)
Measurement of earth pressures on curved surface of thin film pressure sensor	LIU Kai-yuan, XU Cheng-shun, JIA Ke-min, ZHANG Xiao-ling (584)
Experimental studies on effects of initial major stress direction angles on liquefaction characteristics of saturated coral sand	MA Wei-jia, CHEN Guo-xing, QIN You, WU Qi (592)
NEWS	(437, 485, 502, 560, 575, 600)
Members of Editorial Board of Chinese Journal of Geotechnical Engineering	(head page I)
Invitation for original papers	(head page II)