

目 次

- 结构性砂土力学特性三维离散元分析 蒋明镜, 石安宁, 刘俊, 张伏光 (1)
- 蠕变黏性土固结沉降计算的新简化方法及验证 殷建华, 冯伟强 (5)
- 土体软化条件下条形基础地基承载力数值模拟 吕玺琳, 薛大为 (9)
- 全吸力范围红黏土干湿循环土-水特征曲线 蔡国庆, 刘祎, 徐润泽, 李舰, 赵成刚 (13)
- 考虑时间效应的粒状材料的 UH 模型 方雨菲, 姚仰平, 舒文俊 (17)
- 均质软土地基上土堤稳定性的极限分析方法 张惠敏, 雷国辉, 刘芳雪, 张飞 (21)
- 考虑颗粒破碎影响的粗粒土临界状态研究 武颖利, 皇甫泽华, 郭万里, 张兆省 (25)
- 土工合成材料约束碎石桩承载特性研究 孙立强, 邵丹丹, 冯守中, 邓卫东, 郝万东, 陈建峰 (29)
- 控制吸力的非饱和土真三轴试验研究 郑方, 邵生俊, 张博, 余芳涛 (33)
- 粗粒料变形特性的大型真三轴试验研究 左永振, 姜景山, 潘家军, 赵娜, 周跃峰 (37)
- 溶液特征对石屑掺膨润土混合土的渗透特性影响 许四法, 魏伟伟, 刘继状, 翁鹤森, 娄可栋, 付亚君, 王哲 (41)
- 削减桩基负摩阻力的室内模拟试验 冯忠居, 胡海波, 董芸秀, 冯凯, 李少杰, 何静斌, 赵亚婉 (45)
- 黏性土一维松弛及其与次压缩的关系 高彦斌, 刘佳丹 (49)
- 透明黏土可视度及物理力学特性研究 雷华阳, 刘英男, 翟塞北, 屠慈科, 刘敏 (53)
- 散粒土自然堆积的宏细观特征与形成机制 戴北冰, 杨峻, 刘锋涛, 林凯荣 (57)
- 钙质砂热传导性能试验 付慧丽, 莫红艳, 曾召田, 郑川, 徐云山 (61)
- 海湾相有机质浸染砂的动力特性试验研究 杜娟, 刘冰洋, 郑刚, 魏晶, 胡俊, 卫宏 (65)
- 黄土含量对太原砂动剪切模量和阻尼比的影响 程科, 苗雨 (69)
- 竖向荷载下膨胀土桩基承载室内模型试验 张明远, 王成, 钱建固 (73)
- 氯化钠溶液对膨胀土膨胀力及孔隙分布影响的研究 杨周洁, 于海浩, 汤沁, 田慧会, 韦昌富 (77)
- 基于 CPTU 测试的高速公路改扩建新老地基土工程特性评价研究
王蒙, 蔡国军, 刘文亮, 吴家铭, 刘松玉, 林军, 戴济群 (81)
- 往复移动荷载下超固结软黏土重力模型试验研究 王家超, 钱建固, 张甲峰, 王其伟 (85)
- 砂土中扩底应力对深埋扩底抗拔桩承载力的影响 陈佳茹, 张陈蓉, 黄茂松, 杨学林 (89)
- 新型桩-土-撑组合支护体系工程应用研究 王杰, 李迪安, 田宝吉, 杜佐龙, 韩磊 (93)
- 劣化对水泥土渗透性影响室内试验研究 焦德才, 杨俊杰, 董猛荣, 常玉军 (97)
- 重塑软黏土固结排水三轴试验和本构模型研究 张勇, 饶淳淳, 董皇帅, 胡敏云 (101)
- 黄土微观参数指标与动弹性模量关联度研究 安亮, 邓津, 郭鹏, 张仰鹏, 郑芳 (105)
- 神经网络反馈分析方法预测土体热阻系数研究 王才进, 张涛, 骆俊晖, 马冲, 段隆臣 (109)
- 维多利亚褐煤的固结和渗透特性试验研究 刘侃, 李忠诚, 杨敏 (113)
- 碳化作用对水泥固化/稳定化铅污染土渗透特性的影响 李凯, 章定文, 曹智国 (117)

非饱和重塑与结构性黄土等向压缩试验离散元分析	蒋明镜, 张浩泽, 李涛, 张鹏	(121)
CSM 工法在软土地区深基坑承压水控制中的应用	李成巍, 梁志荣, 魏祥, 王国粹	(125)
饱和圆砾地层盾构隧道开挖面稳定性物理模型试验	吕玺琳, 曾盛, 王远鹏, 马少坤, 黄茂松	(129)
土体小应变剪切模量的现场和室内试验对比及工程应用	陈少杰, 顾晓强, 高广运	(133)
海东地区原状黄土动剪切模量与阻尼比试验研究	文少杰, 张吾渝, 曾垂青	(137)
考虑部分埋入群桩基础阻抗的海上风机结构共振特性	王月, 张陈蓉	(141)
非饱和黄土动力特性及其对场地地震动参数的影响	魏来, 卢育霞, 周正华, 王谦, 杨博, 唐洪敏, 李桐林	(145)
多级扩径桩承载特性模型试验及计算研究	刘干斌, 胡光静, 韩仲, 郑言东, 郑荣跃	(149)
饱和细粒土孔隙结构定量表征	李学, 宋晶, 赵洲, 李志杰, 黄伟标	(153)
冻土不同拉伸试验强度差异性研究	于长一, 刘爱民, 郭炳川, 刘文彬	(157)
长期循环荷载下珊瑚砂累积变形特性试验研究	何绍衡, 刘志军, 夏唐代, 周红星, 于丙琪	(161)
岷县漳县 6.6 级地震永光村滑坡致灾机制分析	吴志坚, 陈豫津, 王谦, 赵多银, 张丹	(165)
黏粒和粉粒的共存对砂土静动力液化影响的试验研究	李涛, 唐小微	(169)
列车荷载作用下机械法联络通道-隧道结构响应	何邦亮, 丁修恒, 郎志超, 郑明飞, 熊勇林, 朱瑶宏	(173)
滨海软土地区地铁运营对沿线建筑物振动影响分析	马晓磊, 巴振宁, 高愈辉, 田巧焕	(177)
基于极限分析下限法的溶洞顶板承载力研究	刘洋, 郑俊杰, 曾彦	(181)
基于透明土技术土岩边坡滑移机理的模型试验研究	王壮, 李驰, 丁选明	(185)
基于黄土联合强度的黄土隧道围岩应力及位移研究	江金硕, 李荣建, 刘军定, 王磊, 郭强, 邹泽林	(189)
不同降雨强度下红黏土边坡干湿循环试验研究	龙安发, 陈开圣, 季永新	(193)
小半径平面曲线隧道地震响应分析	穆嘉豪, 王国波	(197)
热强化有机污染物自土中挥发过程的试验与理论研究	鹿亮亮, 刘志彬, 魏启炳, 毛柏杨	(201)
AC-14 大抓力锚在无黏性土中的拖锚运动研究	任宇晓, 郭炳川, 高鑫, 庄道坤, 闫澍旺, 王彦峰	(205)
筋箍长度及刚度对加筋碎石桩复合地基承载力影响分析	夏博洋, 郑刚, 周海祚, 杨新煜, 于晓旋, 赵佳鹏	(209)
挤密效应对砂土中水平受荷桩承载特性的影响	胡铠, 苏栋, 余中良, 黄俊杰, 庞小朝	(213)
立交桥桥台桩基托换基坑支护设计与监测	刘军, 徐志军, 原方, 郭兆翔	(217)
穿越软土层嵌岩桩筏基础沉降特征与计算方法	胡敏云, 陆雨珂, 陈小雨, 张庆山, 徐晓兵, 张勇	(221)
单井回灌中回灌堵塞与回灌压力波动对渗流场影响的理论研究	李炯, 李明广, 陈锦剑, 夏小和	(226)
土石混合料剪切机理及抗剪强度分量特性研究	吴帅峰, 蔡红, 魏迎奇, 肖建章, 严俊	(230)
盾构隧道钢板加固衬砌管片环缝抗剪性能数值模拟研究	翟五洲, 翟一欣, 张东明, 吴惠明, 黄宏伟	(235)
常州地铁车站基坑地下连续墙不同接头型式分析	张思源, 童立元, 朱文骏, 尤迪	(240)
考虑位移影响的土压力非线性计算	王正振, 龚维明, 戴国亮, 刘晓光, 赵欣欣, 郭辉	(244)
西宁地区不同深度原状黄土湿陷性及微观机理研究	崔靖俞, 张吾渝, 解邦龙, 纪曦, 季港澳	(249)

期刊基本参数: CN 32 - 1124/TU * 1979 * m * A4 * 252 * zh * P * ¥150.00 * 750*62* 2019 - 07

CONTENTS

Three-dimensional distinct element analysis of mechanical properties of structured sands	JIANG Ming-jing, SHI An-ning, LIU Jun, ZHANG Fu-guang (1)
New simplified method for calculating consolidation settlement of clayey soils exhibiting creep and its verification	YIN Jian-hua, FENG Wei-qiang(5)
Numerical simulation of bearing capacity of a strip footing on strain-softening soil ground	LÜ Xi-lin, XUE Da-wei (9)
Experimental investigation for soil-water characteristic curve of red clay in full suction range	CAI Guo-qing, LIU Yi, XU Run-ze, LI Jian, ZHAO Cheng-gang (13)
Time-dependent unified hardening model for granular materials	FANG Yu-fei, YAO Yang-ping, SHU Wen-jun(17)
Limit analysis approach for stability of embankments on homogeneous soft soil	ZHANG Hui-min, LEI Guo-hui, LIU Fang-xue, ZHANG Fei (21)
Influences of particle breakage on critical state of coarse-grained soils	WU Ying-li, HUANGFU Ze-hua, GUO Wan-li, ZHANG Zhao-sheng (25)
Bearing capacity of geosynthetics-enclosed stone columns	SUN Li-qiang, SHAO Dan-dan, FENG Shou-zhong, DENG Wei-dong, HAO Wan-dong, CHEN Jian-feng (29)
True triaxial tests on unsaturated soils with suction-controlled condition	ZHENG Fang, SHAO Sheng-jun, ZHANG Bo, SHE Fang-tao(33)
Deformation characteristics of coarse granular materials in large-scale true triaxial tests	ZUO Yong-zhen, JIANG Jing-shan, PAN Jia-jun, ZHAO Na, ZHOU Yue-feng (37)
Influences of solution characteristics on permeability of stone-bentonite mixtures	XU Si-fa, WEI Wei-wei, LIU Ji-zhuang, WENG He-sen, LOU Ke-dong, FU Ya-jun, WANG Zhe (41)
Indoor simulation tests on reducing negative skin friction of pile foundation	FENG Zhong-ju, HU Hai-bo, DONG Yun-xiu, FENG Kai, LI Shao-jie, HE Jing-bin, ZHAO Ya-wan (45)
One-dimensional stress relaxation of cohesive soils and its relationship with secondary compression	GAO Yan-bin, LIU Jia-dan(49)
Visibility and mechanical properties of transparent clay	LEI Hua-yang, LIU Ying-nan, ZHAI Sai-bei, TU Ci-ke, LIU Min (53)
Macro- and micro-properties and formation mechanisms of granular piles	DAI Bei-bing, YANG Jun, LIU Feng-tao, LIN Kai-rong(57)
Experimental study on thermal conductivity of calcareous sand	FU Hui-li, MO Hong-yan, ZENG Zhao-tian, ZHENG Chuan, XU Yun-shan (61)
Experimental study on dynamic characteristics of bay facies organic sand	DU Juan, LIU Bing-yang, ZHENG Gang, WEI Jing, HU Jun, WEI Hong (65)
Effects of loess content on dynamic shear modulus and damping ratio of Taiyuan sand	CHENG Ke, MIAO Yu (69)
Model tests on bearing characteristics of pile foundation in expansive soil foundation under vertical loadings	ZHANG Ming-yuan, WANG Cheng, QIAN Jian-gu (73)
Effects of sodium chloride solution on swelling pressure and pore distribution of expansive soils	YANG Zhou-jie, YU Hai-hao, TANG Qin, TIAN Hui-hui, WEI Chang-fu (77)
Evaluation of engineering characteristics of new and old soft soil foundation based on advanced CPTU data	WANG Meng, CAI Guo-jun, LIU Wen-liang, WU Jia-ming, LIU Song-yu, LIN Jun, DAI Ji-qun (81)
Gravity model testing overconsolidated soft clay under repeated moving loads	WANG Jia-chao, QIAN Jian-gu, ZHANG Jia-feng, WANG Qi-wei (85)
Influences of stress around enlarged base to uplift capacity of deep belled piles in sand	CHEN Jia-ru, ZHANG Chen-rong, HUANG Mao-song, YANG Xue-lin (89)
Theoretical analysis and engineering application of new pile-soil-support system	WANG Jie, LI Di-an, TIAN Bao-ji, DU Zuo-long, HAN Lei (93)
Laboratory tests on effect of deterioration on permeability of cement soil	JIAO De-cai, YANG Jun-jie, DONG Meng-rong, CHANG Yu-jun(97)
Consolidated drained triaxial tests and constitutive model for reconstituted soft clay	ZHANG Yong, RAO Chun-chun, DONG Huang-shuai, HU Min-yun (101)
Correlation between microscopic parameters and dynamic elastic modulus of loess	AN Liang, DENG Jin, GUO Peng, ZHANG Yang-peng, ZHENG Fang(105)
Utilization of neural network feedback method to prediction of thermal resistivity of soils	WANG Cai-jin, ZHANG Tao, LUO Jun-hui, MA Chong, DUAN Long-chen(109)
Experimental study on consolidation and hydraulic behaviors of Victorian brown coal	LIU Kan, LI Zhong-cheng, YANG Min (113)
Effects of carbonation on permeability characteristics of cement-stabilized/solidified lead-contaminated soil	LI Kai, ZHANG Ding-wen, CAO Zhi-guo(117)
DEM analysis of isotropic compression tests on remolded and structured unsaturated loess	JIANG Ming-jing, ZHANG Hao-ze, LI Tao, ZHANG Peng (121)
Application of CSM method in control of confined groundwater of deep excavations in soft soils	LI Cheng-wei, LIANG Zhi-rong, WEI Xiang, WANG Guo-cui (125)

Physical model tests on stability of shield tunnel face in saturated gravel stratum	LÜ Xi-lin, ZENG Sheng, WANG Yuan-peng, MA Shao-kun, HUANG Mao-song(129)
Comparison and application of small strain shear moduli from field and laboratory measurements	CHEN Shao-jie, GU Xiao-qiang, GAO Guang-yun(133)
Experimental study on dynamic shear modulus and damping ratio of undisturbed loess in Haidong area	WEN Shao-jie, ZHANG Wu-yu, ZENG Cui-qing (137)
Resonance characteristics of offshore wind turbine structures founded on partially embedded pile groups	WANG Yue, ZHANG Chen-rong(141)
Dynamic characteristics of unsaturated loess and their influences on ground vibration parameters of sites	WEI Lai, LU Yu-xia, ZHOU Zheng-hua, WANG Qian, YANG Bo, TANG Hong-min, LI Tong-lin (145)
Model tests on bearing behaviors and calculation of multi-stage expanded piles	LIU Gan-bin, HU Guang-jing, HANG Zhong, ZHENG Yan-dong, ZHENG Rong-yue (149)
Quantitative study on pore structure of saturated fine-grained soil	LI Xue, SONG Jing, ZHAO Zhou, LI Zhi-jie, HUANG Wei-biao (153)
Different tensile tests on difference of strength of frozen soils	YU Chang-yi, LIU Ai-min, GUO Bing-chuan, LIU Wen-bin (157)
Experimental study on cumulative deformation characteristics of coral sand under long-term cyclic loading	HE Shao-heng, LIU Zhi-jun, XIA Tang-dai, ZHOU Hong-xing, YU Bing-qi (161)
Disaster-causing mechanism of Yongguang landslide under Minxian-Zhangxian Ms6.6 Earthquake	WU Zhi-jian, CHEN Yu-jin, WANG Qian, ZHAO Duo-yin, ZHANG Dan (165)
Experimental study on effect of coexistence of clay and silt on static and dynamic liquefaction of sand	LI Tao, TANG Xiao-wei (169)
Dynamic response of different connection forms of mechanical connection tunnels under train loads	HE Bang-liang, DING Xiu-heng, LANG Zhi-chao, ZHENG Ming-fei, XIONG Yong-lin, ZHU Yao-hong (173)
Vibration effect of metro operation on buildings along Tianjin Binhai New Area in soft soil areas	MA Xiao-lei, BA Zhen-ning, GAO Yu-hui, TIAN Qiao-huan (177)
Bearing capacity of karst roof based on lower bound method	LIU Yang, ZHENG Jun-jie, ZENG Yan (181)
Model tests on sliding mechanism of soil-rock slopes based on transparent soil technology	WANG Zhuang, LI Chi, DING Xuan-ming (185)
Stress and displacement of surrounding rock of loess tunnels based on joint strength	JIANG Jin-shuo, LI Rong-jian, LIU Jun-ding, WANG Lei, GUO Qiang, ZOU Ze-lin (189)
Experimental study on wetting-drying cycles of red clay slopes under different rainfall intensities	LONG An-fa, CHEN Kai-sheng, JI Yong-xin (193)
Seismic response of small-radius planar curved tunnels	MU Jia-hao, WANG Guo-bo (197)
Experimental and theoretical studies on volatilization process of heat-enhanced organic pollutants from soils	LU Liang-liang, LIU Zhi-bin, WEI Qi-bing, MAO Bai-yang (201)
Motion of dragging AC-14 anchor in cohesionless soil	REN Yu-xiao, GUO Bing-chuan, GAO Xin, ZHUANG Dao-kun, YAN Shu-wang, WANG Yan-di (205)
Influences of length and strength of geosynthetics on bearing capacity of composite foundation with stone columns	XIA Bo-yang, ZHENG Gang, ZHOU Hai-zuo, YANG Xin-yu, YU Xiao-xuan, ZHAO Jia-peng (209)
Influences of compaction effect on bearing capacity of laterally loaded piles in sand	HU Kai, SU Dong, YU Zhong-liang, HUANG Jun-jie, PANG Xiao-chao (213)
Design and monitoring of foundation pit support project for pile foundation underpinning of abutment of interchange bridges	LIU Jun, XUN Zhi-jun, YUAN Fang, GUO Zhao-xiang (217)
Settlement of piled raft foundation embedded in rock and its calculation method	HU Min-yun, LU Yu-ke, CHEN Xiao-yu, ZHANG Qing-shan, XU Xiao-bing, ZHANG Yong (221)
Theoretical study on influence of well clogging and variable injection pressure on seepage field induced by single-well recharge	LI Jiong, LI Ming-gaung, CHEN Jin-jian, XIA Xiao-he (226)
Shear mechanism and shear strength component characteristics of soil-stone mixtures	WU Shuai-feng, CAI Hong, WEI Ying-qi, XIAO Jian-zhang, YAN Jun (230)
Numerical study on shearing performance of seal plate strengthened circumferential joints of segmental tunnel linings	ZHAI Wu-zhou, ZHAI Yi-xin, ZHANG Dong-ming, WU Hui-ming, HUANG Hong-wei (235)
Different mechanical modes of diaphragm wall joints for foundation pit of subway station in Changzhou	ZHANG Si-yuan, TONG Li-yuan, ZHU Wen-jun, YOU Di(240)
Nonlinear calculation of earth pressures considering displacement effect	WANG Zheng-zhen, GONG Wei-ming, DAI Guo-liang, LIU Xiao-guang, ZHAO Xin-xin, GUO Hui (244)
Collapsibility and microscopic mechanism of intact loess at different depths in Xining area	CUI Jing-yu, ZHANG Wu-yu, XIE Bang-long, JI Xi, JI Gang-ao (249)