

地震工程学报 2018 年第 40 卷总目次

第 1 期

地震荷载作用下带裂纹重载铁路隧道的动态断裂	刘淑红, 郑宝瑞, 胡青华 (1)
基于多元线性回归方法的砌体结构加固费用估算模型研究	郑山锁, 丁明松, 郑 捷, 侯丕吉 (6)
混凝土高层建筑结构地震破坏抗毁能力评估	许立强 (14)
公共建筑结构的抗地震倒塌能力优化评估分析	李玉洁, 彭立顺 (20)
大跨度桥梁结构多级地震响应研究	何 江, 王玉振 (26)
典型砖木结构农居地震弹塑性有限元分析	姚新强, 孙柏涛, 陈宇坤, 杨绪连 (32)
多维地震作用下钢筋混凝土建筑结构的抗连续倒塌仿真分析	丛苏莉 (41)
圆柱形支撑大跨度建筑结构强震冲击分析模型仿真	吴海波, 王新妮 (48)
地震区居民建筑钢结构极限承载力测试与分析	崔路苗, 郭志宇 (54)
VII 度抗震设防下牧区居住建筑节能技术研究	薛 芸 (60)
基于 GPS 数据分析渭河盆地现今地壳形变特征	张永奇, 韩美涛, 丁晓光, 苏利娜, 翟宏光, 郑增记 (66)
基于实测应力数据的北天山区域断层滑动趋势分析	张 杰, 王成虎, 贾 晋, 徐 鑫, 刘卓岩 (73)
川滇块体东边界主要断裂带现今运动特征分析	朱 爽, 王洪栋 (79)
离石北部北川河阶地特征及其新构造指示	扈桂让, 曾金艳, 赵晋泉, 闫小兵, 高利敏 (86)
内蒙古乌海断陷岗德尔山西麓断裂晚第四纪特征分析	(188)
车辆荷载作用下山西路基重塑黄土的动力特性研究	马 林, 张 军, 刘亚明 (101)
粉煤灰改良饱和黄土的抗液化特性	高中南, 周仲华, 王 峻, 郑和祥, 钟秀梅, 赵乘程 (105)
地震重灾区诱发次生地质灾害风险评价研究	李天华, 袁永博 (111)
尼泊尔地震中樟木镇自建框架地震灾变机理研究	程麦理, 马 静, 杨红霞, 李盛斌, 王 磊 (116)
2013 年甘肃岷县—漳县 6.6 级地震仪器烈度与宏观调查烈度比较分析	徐 钦, 田秀丰, 王维欢, 党 红 (124)
天津港“8·12”爆炸事件记录波形分析	王晨辰, 张盛中, 杨晓瑜, 张 冰, 李世鑫, 刘 敏 (130)
2017 年 6 月 3 日内蒙古阿拉善左旗 5.0 级地震强震记录及特征分析	王文才, 李佐唐, 石文兵 (139)
硐室围岩应力场对地倾斜观测影响的模拟分析	武永彩, 唐红涛 (146)
基于钻孔特性的体应变观测相关性研究	何 斌, 田 韶, 王恒知 (153)
某高精密设备平台基础隔振措施分析	夏洪春, 李晓燕, 尹训强 (159)
强夯振动加速度的量测及现场试验研究	李盼盼, 王家鼎, 谷天峰, 刘亚明 (166)
基坑锚桩支护体系中围护桩嵌固深度设计方法研究	吴志刚 (171)
水平旋转不变平均持时特征分析	袁 峰, 钟菊芳, 邱 卓 (178)
深切缅怀郭增建先生	(188)

第 2 期

复合外套型特高压交流 CVT 抗震与减震试验研究	程永锋, 刘振林, 汤 华, 卢智成, 马 跃, 邱 宁, 朱祝兵 (191)
多龄期钢框架结构地震损伤模型研究	王晓飞, 贾 虎, 王鹏飞, 程 洋, 罗 强 (198)
大跨度钢管混凝土拱桥非线性抗震性能研究	杜 霖, 夏修身, 孙学先 (206)
强震环境下带钢避难建筑抗震模型设计	王培先, 王 超, 彭立顺 (213)
远场长周期地震下基于规范设计隔震结构的抗震性能研究	王亚楠, 杜永峰, 胡高兴, 刘 星 (219)
一种改进后的海上风机构力特性理论分析方法研究	余璐庆, 吕学金, 汤旅军, 黄玉佩 (225)
时变地震谱估计的非参数方法评价及应用	苏延文, 黄国庆 (233)
随机振动下大跨度钢管混凝土柱结构抗震性能测试方法	付 建 (241)

近断层脉冲型地震下建筑地桩基础沉降分析	李琦, 李瑞 (246)
基坑排桩对建筑抗震性的影响分析	侯文萃, 陈能远, 高洁 (252)
某桥梁桩基础的抗震计算研究	贾鹏, 王兰民, 万征, 秋仁东, 刘金波 (258)
采用板式橡胶支座的连续斜梁桥横向抗震行为研究	姚凯, 徐略勤, 李建中, 龚恋 (265)
多点激励下大跨度连续钢桁架柔性拱桥空间地震响应分析	施成, 蔺鹏臻, 周朋, 何志刚 (273)
南海岛礁场地地震稳定性研究中的关键问题探讨	胡进军, 徐长琦, 谢礼立, 李琼林 (279)
陕西地区小微震震源机制研究	惠少兴, 严川, 王平, 金昭娣 (288)
新疆地区一维地壳速度模型研究	陈向军, 上官文明, 宋秀青 (294)
陕西咸阳东地震砂土液化的发现及意义	王师迪, 师亚芹, 李高阳 (305)
2016年8月24日意大利中部 M_w 6.2地震强地面运动特征分析	冯继威, 李山有, 宋晋东 (316)
河北省流动地磁观测异常特征分析	崔泽岩, 张肖, 王慧, 刘静, 李金, 苏树朋 (329)
SH波在地裂缝界面处的传播规律	王雷, 王瑞胡志平, 柴少波, 王启耀 (335)
强烈震动对山区岩石属性参数变化的影响分析	肖丽丽 (344)
地震灾后区域无人机GPS遥感定位技术研究	时盛春 (350)
基于大数据的地震损失价值评估模型设计	张加庆 (356)
地震应急测绘信息智能综合处理技术研究	曾瑞, 王英彦, 张炜超 (363)
海洋工程中桩基抗拔承载力研究	郭欣玥, 刘润 (369)
基于能量最小化原理的弹性波CT成像频域有限元反演算法	薛龙, 刘天云, 张建民 (376)
岩石损伤模量分析	李博, 肖威, 王华伟 (384)
“全国第五届防灾减灾之路研讨会”简讯	(368)

第3期

多龄期钢框架时变损伤模型研究	郑山锁, 张晓辉, 黄威曾, 赵旭冉, 孙乐彬 (389)
多维地震作用下大跨空间结构的减震控制分析	赵祥, 刘忠华, 王社良, 杨涛, 展猛 (398)
特高压气体绝缘开关设备瓷套管抗震性能研究	王海波, 程永锋, 孙宇晗, 王宁华, 卢智成, 乔振宇 (406)
高层建筑在连续振动下的壁板结构失稳定BIM模型设计	王娟 (413)
屈曲约束支撑钢框架结构影响因素的静力弹塑性分析	王永贵, 宋红弟 (421)
地震作用下低层建筑砌体结构的动力特性分析	雷江 (432)
“房桥合一”铁路客站抗震计算的快速高效多维虚拟激励法	徐汉勇, 余志武 (438)
基于滞回曲线以及结构动力方程的混凝土结构抗震稳定性分析	杨建华, 彭立顺 (444)
薄壁型钢管/胶合竹板复合柱抗震性能试验	赵卫锋, 唐凯, 龙志林 (450)
多因素复杂参数下的圆形地下水水泥土桩地基场地地震效应分析	张启志 (458)
基坑桩地震冲击下的受力分析模型仿真	张富 (466)
强震状态下黄土中桩基动力性状分析	张斌伟, 严松宏 (473)
不规则性对基础隔震结构抗连续倒塌性能影响研究	包超, 张尚荣, 马肖彤, 杜永峰, 张立新 (480)
建筑结构中抗震分析模型的优化研究	沈毅, 郭阳照 (490)
隔震结构地震波选择方法研究	邵天聪, 白国良, 赵金全 (497)
汶川地震远震区黄土地基反应特征分析	夏坤, 张令心, 董林 (504)
寒区黏土与结构接触面冻结强度特性试验研究	陈拓, 赵光思, 赵涛 (512)
用震中迁移会讨论1668年郯城8½级地震——纪念郯城大地震350周年	郭增建, 郭安宁 (519)
海南岛及近海波速比特征初步研究	张慧, 李志雄, 李盛 (524)
基于一种新智能优化算法与谱相关方法对重力固体潮的分析	高略, 全海燕 (535)
地震活动的随机场特征	马禾青, 杨明芝 (542)
地震波动强度变化的数学建模分析与仿真	柴瑞帅 (549)

基于阿里亚斯烈度估值的概率性地震危险性分析——以四川丹棱县及其周缘为例	李雪婧, 吴 健, 高孟潭, 徐伟进 (555)
利用 GPS 数据研究南北地震带北段近期地壳水平形变特征	张 楠, 许文俊 (562)
基于云计算的地震预警网络系统的设计与实现	陈新房, 刘庆杰, 王金峰 (574)
孤立山体地震动力响应的振动台试验研究	肖文静, 廖佳名, 张亮亮 (582)
近距离上层隧道施工对下层隧道的扰动影响	唐强森, 刘 涛 (591)
地震区域的电力自动调度应急模型设计	侯宏生, 赵 猛, 刘 怡, 郑 阳, 李俊杰 (597)
基于大数据的地震多发区域破坏程度估计模型设计	成桂兰 (604)
圆钢管约束高强灌浆料局部承压性能研究	张啸驰, 陈建伟, 闫文赏, 郑玲玲 (612)
强震下的细木工板建筑材料承压特征分析	梁 美 (619)

第 4 期

不同厚度饱和砂土中群桩结构动力响应试验研究	李雨润, 强东峰, 邹 泽, 刘荟达, 王 海 (625)
基于场地效应的悬索桥随机地震响应分析	张 彬, 张宏民, 宫照伟 (631)
强震下高层建筑横向晃动反应过程模拟分析	王 扬 (637)
新型扇形盘式消能器减震性能参数分析	杨 琼, 郭阳照, 吴 体, 杨 成 (643)
建筑物偏心结构对其抗震性能的影响	陈小兵, 欧阳志勇, 李亚东 (652)
钢结构建筑钢板外部震动下承载力有限元分析	徐松芝 (658)
地震环境下钢筋混凝土箱梁复合受力特性分析	刘 觅, 高 亮 (665)
剪力墙转换结构分析下建筑抗震性能研究	饶 力 (671)
高强度地震下带钢避难建筑抗震设计	靳晓燕 (678)
隐伏地裂缝扩展引起分缝式隧道衬砌结构力学性状研究	余芳涛, 李瑶璞, 李 婷, 王松鹤 (684)
建筑在强震下横拉承压力钢筋负荷测量	任燕娟 (692)
基于 IDA 的多龄期钢排架结构地震易损性分析	郑山锁, 左 英, 张晓辉, 石 磊, 黄威曾, 郑 捷 (698)
基于不同结构损伤模型的 RC 框架地震易损性研究	叶晨莹, 赵 鹏, 相 敏 (705)
竖向刚度不同的混合结构连续倒塌机制分析	林健康, 杨文伟, 包 超 (713)
桩土作用对隔震梁桥地震易损性及震后通行能力影响	唐永久, 方圣恩 (721)
基于线性流变模型的基础隔震系统的动力特性研究	盛朝晖, 曹 野, 张童心 (728)
气候变暖下青藏高原冻土路基地温场演化规律研究	杨凯飞, 穆彦虎, 马 巍, 毕贵权, 李国玉, 毛云程 (734)
珠江三角洲海相沉积软土压缩和剪切变形特性试验研究	张 岩, 耿济世, 毛 磊, 刘芙蓉 (745)
黄土液化微观特性试验研究	安 亮, 邓 津, 王兰民 (752)
广州市轨道交通二十一号线工程路基抗震性测试研究	李同安 (759)
对 2017 年九寨沟 $M_S 7.0$ 地震的预测分析	郭广猛, 姜永涛, 杨 杰, 张子月, 张 森 (765)
四川九寨沟 7.0 级地震强震动记录及特征分析	徐 钦, 古云鹤, 孙艳萍 (769)
GPS 测定的四川九寨沟 $M_W 6.6$ 地震同震形变	王东振, 赵 斌, 李 琦, 余建胜, 祁玉杰, 鲁小飞, 谭 凯 (778)
西藏日喀则拉堆—乃东与毕定—甲舍拉断裂的活动性分析研究	雷生学, 李振海, 张文朋, 陈宇坤, 郭 巍, 谢静博, 高 也, 高锦瑞 (785)
武都—康县断裂新活动性的滑动速率	贾 伟, 刘洪春, 柳 煜, 袁道阳, 邵延秀, 刘兴旺, 张 波 (794)
甘东南重力、 b 值异常与岷县—漳县 $M 6.6$ 地震关系探讨	冯建林, 李德庆, 檀玉娟, 秦建增, 谢汝一, 刘冬阳 (802)
阿拉善左旗 5.8 级地震前地脉动信号特征分析	梁沙沙, 高立新, 薛 丁, 戴 勇, 格 根 (808)
鄂尔多斯西南缘 P 波三维 Q 值层析成像	师海阔, 张元生, 马禾青, 马小军 (815)
考虑视觉传达效果的震后区域三维图像虚拟重建	刘 旭 (826)
高强度地震下建筑施工场点危险性建模分析	吴 俊, 廖 炜, 王 涛 (833)
震后建筑进度 BIM 估计模型改进	武 炜, 崔邯龙, 张丽丽 (841)

- 基于改进遗传算法的地震后重建工程造价模型改进设计 胡丹萍, 陶学明 (848)
考虑时间约束的地震救災数学模型设计与实现 王前峰 (852)
三维地震神经网络反演在探明煤层富水灾害层的应用 范二平, 薛明喜, 赵欢欢 (859)
基于有限元法的土石坝除险加固渗流问题分析 赵鑫, 周阳 (867)

第5期

- 圆形隧洞对地下地震动的影响: SH 波入射 周凤奎, 庞宾宾, 翟睿智 (873)
基于性能的基础隔震钢筋混凝土框剪结构的倒塌可靠度分析 杜永峰, 黄小宁, 李慧 (879)
填充墙刚度影响的实测高层建筑增量动力分析 周云, 裴熠麟, 周祎, 方亮, 易伟建 (883)
基于 FEA 的填充墙与隔震器协同抗震系统性能分析 李然 (891)
考虑墙-框连接刚度影响的填充墙框架结构抗震性能分析 范村莹, 周强, 孙柏涛 (897)
厂房下柱在垂直动载下的力学响应及稳定性 鲁业红, 周一一 (904)
窑洞外形特征对结构抗震性能影响研究 王飞剑, 刘如山, 马朝晖 (910)
钢筋混凝土建筑结构的抗地震破坏倒塌能力评估研究 汪玉容 (919)
大跨度空间钢结构支吊架的施工抗震技术研究 李培荣, 张泽平 (926)
基于磁流变阻尼器与弹性基础隔震耦合建筑的地震响应分析 杨祖龙, 苏有文 (932)
拉索式旋转电涡流阻尼器的理论模型及频域响应分析 班鑫磊, 谢丽宇, 薛松涛, 张瑞甫 (941)
黏滞阻尼器连接的两相同毗邻结构的动态响应分析 吴亚丽, 饶兰, 彭松 (946)
BRB 在双柱式桥墩抗震体系中的工作机理分析 张永亮, 董阳, 张磊, 陈兴冲 (957)
建筑用玻化微珠保温混凝土剪力墙抗震结构设计 朱保华, 韩丽婷 (963)
多点冲击荷载作用下 K6 型单层球面网壳结构失效机理分析 吴长, 苟宝龙, 李冬杰, 田野 (969)
中强震下砌体结构损伤检测方法研究 祝叶, 罗凡 (976)
基于复阻尼理论的混合结构 Rayleigh 阻尼模型 刘庆林, 孙攀旭, 杨红 (983)
细观结构对混凝土动态力学特性的影响研究 雷光宇, 孙剑虹, 王欢元 (988)
地下结构地震反应规范计算方法的对比分析 邓宇洁, 梁发云 (996)
基于 CSI 效应的直线电机驱动塔系结构风振控制研究 刘洁, 刘洪波, 刘红军 (1004)
地铁荷载下隧道周围粉性土变形的 2^2 因子设计 闫春岭, 张书石, 李阳阳, 孔豫栋 (1012)
贮灰场子坝粉煤灰动力特性试验研究 余芳涛, 王松鹤, 李军琪, 丁九龙, 王强 (1018)
基于高密度钻孔揭露的广州城区软土分布特征及震陷预测 毕丽思, 陈小芳, 卢帮华 (1026)
山东长岛震群震源机制解一致性参数时空演化特征 刘方斌, 曲均浩, 李国一, 田兆阳 (1034)
利用 GPS 资料和块体模型对巴颜喀拉块体划分合理性的初步探究和构造意义 姚生海, 程佳, 姚琪, 张加庆 (1042)
基于孕震物理模式的断层气流动监测网络布设技术 周慧玲, 苏鹤军, 张慧, 李晨桦, 王岩鸿 (1052)
基于对称性的委内瑞拉及周边地区 $M_w \geq 6.0$ 地震趋势判断及与地球自转关系分析 孟庆彬, 延军平, 芦佳玉 (1061)
基于潮汐因子的河北省形变台站映震效能评估 侯晓真, 陈建国, 马栋, 屈曼, 张肖, 韩静, 王时 (1068)
汶川 8.0 级大震的余震最大强度用科里奥利效应方法的判定 白雪见, 任栋, 贾源源, 段博儒 (1073)
2014 年鲁甸 $M_s 6.5$ 地震后地质灾害发育分布特征 杨秀元, 姚亚辉 (1078)
汶川地震滑坡危险性评价——以武都区和文县为例 孙艳萍, 张苏平, 陈文凯, 周中红 (1084)
灾区震后重建中建筑工程造价快速评估技术研究 伍娇娇, 刘霖 (1092)
考虑区域水资源地震破坏后的信息管理模型设计 胡鹏, 袁希平 (1098)
城市避震救灾最优体系模型仿真 陈越平 (1105)
基于物联网的大型地震区域监控系统设计 邹霞玲, 彭绍琴, 皮依标 (1111)
考虑不确定性的地震灾害应急救援设备并行优化设计 刘航 (1118)
共振柱试验的非线性拟合研究 鄢兆伦, 陈学良, 高志兵, 杨伟林, 洪海春 (1124)

- 地磁低点位移以磁暴倍九法作为补充预测的讨论 郭增建, 郭安宁, 贾源源, 段博儒 (1131)
第二届全国交通岩土工程学术会议简讯 本刊编辑部 (1077)

第 6 期

- 第 16 届欧洲地震工程大会: 岩土地震工程研究进展与动向综述
..... 王兰民, 夏 坤, 刘 琪, 王 谦, 贾 鹏, 柴少峰 (1133)
多年冻土区青藏铁路列车荷载作用下路基振动响应研究 董连成, 徐 裕, 师黎静, 胡新福, 高德领 (1153)
应力、应变控制下压实黄土动力特性研究 胡志平, 王 强, 张雨禾, 魏雪妮, 王 瑞 (1161)
黄土高填方场地地震动参数特性分析 来春景, 朱彦鹏, 王春青, 马天忠 (1168)
地震反应分析中输入界面的选取对地表地震动参数的影响 方 怡, 吕悦军, 彭艳菊, 陈国兴 (1174)
筒型桩靴在饱和砂土中的贯入阻力研究 吴曲楠, 刘 润, 张海洋, 王宇飞 (1183)
岷县—漳县 6.6 级地震极震区场地覆盖层厚度探测及三维地形模型建立 李 璐, 吴志坚, 李瑞宽, 赵 涛 (1191)
强震作用下不同处理方式黄土地基抗震陷性能评价 许书雅, 王 平, 王 峻, 王会娟, 于一帆 (1198)
基于新《电力设施抗震设计规范》的地震动随机模型参数研究 田 利, 高国栋, 盖 震 (1206)
考虑锈蚀的钢框架柱地震损伤模型研究 郑山锁, 石 磊, 周 炎, 张秋石, 朱揽奇 (1211)
远场长周期地震下高层建筑的地震损伤模型研究 丁 江, 刘文治, 方传斌 (1217)
饱和土体-地下综合管廊结构地震响应分析 蒋录珍, 李双飞, 石文倩, 安军海, 陈艳华 (1224)
考虑抗震性约束的建筑空间结构优化 徐 莉, 胡 宏 (1231)
动载下无筋砌体墙的应力场及裂隙分布 于庆峰, 胡 敏 (1236)
行波激励下考虑结构碰撞的非规则桥梁抗震性能研究 闫 磊, 李青宁, 赵花静, 申纪伟, 李林燕 (1243)
超限高层建筑结构抗震设计加强措施和建议——以某超限高层建筑为例 卢一麟, 尹凤霞, 郭献洲 (1252)
基于不同地面特性的混凝土框架结构的抗震性能评估 张丹丽, 谢 强 (1259)
用于应急避险的城市绿地标志性景观塔抗震设计 王 晴 (1266)
地震带城市规划模型设计与仿真 李清亚 (1272)
丝绸之路明长城遗址的病害性态研究 唐洪敏, 石玉成, 刘 琪, 卢育霞, 郭 鹏, 魏 来, 李桐林 (1278)
鲜水河断裂带南东段康定—色拉哈断裂的浅层地球物理勘探 刘 薇, 李大虎, 梁明剑 (1287)
基于一致可靠度的地震动记录样本容量确定方法研究 陈 波, 温增平 (1295)
福建仙游震群序列发震构造分析研究 秦双龙, 邱 穗 (1306)
山东长岛地区地震波非弹性衰减 Q 值、场地响应及震源参数研究
..... 周少辉, 曲均浩, 苗庆杰, 李 铂, 郭宗斌, 刘方斌 (1312)
2017 年四川九寨沟 7.0 级地震前地震应变场分析 罗国富, 刘忠旺, 丁凤和, 马禾青, 杨明芝 (1322)
云计算环境下震前震源异常次声波自动识别方法 乔红丽, 张常在 (1331)
利用 2014 年云南地震验证与研究四川地震预警快速震级估算模型 李鸿杰, 樊惠惠, 胡蓉平, 韩嘉怡, 张建经 (1337)
大数据分析背景下地震后紧急物流资源调度模型设计 陈 涵, 林 勇 (1343)
基于 ARIO 模型的震后重建施工现场安全管理方法 顾连胜 (1350)
基于视觉图像的震区人员搜救方法研究 胡宇航, 张 峰 (1356)
基于 GIS 的震后修复建筑物空间分布格网化方法研究 罗 磊, 汪 斌 (1362)
突发地震灾害中无人驾驶救援车伺服控制系统研究 岳 光, 潘玉田 (1366)
基于模糊数学的震后建筑火灾危险性评估模型研究 张 文 (1372)
基于 EM 算法的运行模态参数识别 张 康, 施袁锋 (1378)
基于 GPS 的人工地震测深零时仪研制 李从庆, 滕云田, 孙 鸿, 祝彦杭, 郭 磊 (1384)
高灵敏度电子地震预警器故障检测方法研究 温宏愿 (1389)
首次中国地震预报探索及海原断裂发现 60 周年 本刊编辑部 (1396)

CHINA EARTHQUAKE ENGINEERING JOURNAL
Vol.40 2018 CONTENTS

No.1

Dynamic Fracture of Heavy Haul Railway Tunnels with Cracks Under Seismic Loads	LIU Shuhong, ZHENG Baorui, HU Qinghua (1)
A Retrofit Cost Estimation Model of Masonry Structures Based on the Multiple Linear Regression Method	ZHENG Shansuo, DING Mingsong, ZHENG Jie, HOU Piji (6)
Evaluation of Earthquake Damage and Anti-destruction Ability of Concrete High-rise Building Structures	XU Liqiang (14)
Optimized Evaluation Analysis of Seismic Collapse Capacity of Public Buildings	LI Yujie, PENG Lishun (20)
Study on the Multistage Seismic Response of Long-span Bridge Structures	HE Jiang, WANG Yuzhen (26)
Elasto-plastic Finite Element Analysis of Typical Brick-Wood Rural Buildings Under Ground Motions	YAO Xinqiang, SUN Baitao, CHEN Yukun, YANG Xulian (32)
Simulation and Analysis of the Progressive Collapse of Reinforced Concrete Structures under Multidimensional Earthquakes	CONG Suli (41)
Impact Analysis Model Simulation for Long-span Cylindrical Support Building Structures under Strong Earthquakes	WU Haibo, WANG Xinni (48)
Test and Analysis of the Ultimate Bearing Capacity of Residential Building Steel Structures in Seismic Areas	CUI Lumiao, GUO Zhiyu (54)
Research on Energy Saving Technology of Residential Buildings in Pastoral Area under Seven Degree Seismic Fortification	XUE Yun (60)
Characteristics of Present-day Crustal Deformation of Weihe Basin Based on GPS Data	ZHANG Yongqi, HAN Meitao, DING Xiaoguang, SU Lina, ZHAI Hongguang, ZHENG Zengji (66)
Fault Slip Tendency in the Western Area of North Tianshan Based on Measured In-situ Stress Data	ZHANG Jie, WANG Chenghu, JIA Jin, XU Xin, LIU Zhuoyan (73)
Current Movement Characteristics of Major Faults in the East Boundary of Sichuan—Yunnan Block	ZHU Shuang, WANG Hongdong (79)
Characteristics of the Beichuan River Terraces in the North of Lishi Area and Its Neotectonic Indication	HU Guirang, ZENG Jinyan, ZHAO Jingquan, YAN Xiaobing, GAO Limin (86)
Late Quaternary Activity Characteristics of Western Piedmont Fault of Gangdeershan in the Wucai Fault Depression, Inner Mongolia	XU Dongzhuo, LI Shenghu, YIN Haiquan, YE Qingdong, XIA Feng, ZHU Chuanbao, ZHOU Haitao, YU Daxin, WANG Lei, GUO Baozhen, DONG Liang (92)
Study on the Dynamic Characteristics of Remolded Loess in Shanxi Expressway Subgrade under Vehicle Loads	MA Lin, ZHANG Jun, LIU Yaming (101)
Anti-liquefaction Properties of Saturated Loess Improved by Fly Ash	GAO Zhongnan, ZHOU Zhonghua, WANG Jun, ZHENG Hexiang, ZHONG Xiumei, ZHAO Chengcheng (105)
Risk Assessment of Secondary Geological Disasters Induced in an Earthquake-Stricken Area	LI Tianhua, YUAN Yongbo (111)
Seismic Disaster Mechanism of Owner-built Frame Structures in Zhangmu Town During Nepal Earthquakes	CHENG Maili, MA Jing, YANG Hongxia, LI Shengbin, WANG Lei (116)
A Comparison and Analysis of Instrumental Intensity and Macroseismic Survey Intensity of the 2013 Minxian—Zhangxian M _s 6.6 Earthquake in Gansu Province	XU Qin, TIAN Xiufeng, WANG Weihuan, DANG Hong (124)
Analysis of Recorded Waveform During the 8·12 Explosion Incident in Tianjin Harbor	WANG Chenchen, ZHANG Shengzhong, YANG Xiaoyu, ZHANG Bing, LI Shixin, LIU Min (130)
Strong Motion Records and Its Characteristics in Alashanzuoqi M _s 5.0 Earthquake on June 3, 2017, Inner Mongolia	WANG Wencai, LI Zuotang, SHI Wenbing (139)
Simulation Analysis of Influence of Stress Field in Surrounding Rocks of Chambers on Ground Tilt Observation	WU Yongcui, TANG Hongtao (146)
Study on Correlation of Volume Strain Observation Based on Borehole Features	HE Bin, TIAN Tao, WANG Hengzhi (153)

Vibration Isolation Measures of High Precision Equipment Platform Foundation	XIA Hongchun, LI Xiaoyan, YIN Xunqiang (159)
Measurement and Field Test Research on Vibration Acceleration of Dynamic Compaction	LI Panpan, WANG Jiading, GU Tianfeng, LIU Yaming (166)
Design Study for Embed Depth of the Supporting Pile in the Pile-Anchor Supporting System of a Foundation Ditch	WU Zhigang (171)
Analysis of Characteristics of Horizontal Rotation-invariant Mean Duration	YUAN Feng, ZHONG Jufang, QIU Zhuo (178)

No.2

Experimental Study on the Seismic Performance of Polymeric-Housed UHVAC Capacitor Voltage Transformers	CHENG Yongfeng, LIU Zhenlin, TANG Hua, LU Zhicheng, MA Yue, QIU Ning, ZHU Zhubing (191)
Seismic Damage Model of a Multi-age Steel Frame Structure	WANG Xiaofei, JIA Hu, WANG Pengfei, CHENG Yang, LUO Qiang (198)
Nonlinear Seismic Behavior of Long-span Concrete-filled Steel Tubular Arch Bridges	DU Qian, XIA Xiushen, SUN Xuexian (206)
Aseismic Model Design of Steel Strip Refuge Buildings Under Strong Earthquakes	WANG Peixian, WANG Chao, PENG Lishun (213)
Seismic Performance of Base-Isolated Structures Under Far-field Long-period Ground Motion Based on Seismic Codes	WANG Yanan, DU Yongfeng, HU Gaoxing, LIU Xing (219)
An Improved Theoretical Analysis Method for the Dynamic Characteristics of Offshore Wind Turbines	YU Luqing, LÜ Xuejin, TANG Lüjun, HUANG Yupei (225)
Evaluation and Application of Non-parametric Approach for Time-varying Seismic Spectral Estimation	SU Yanwen, HUANG Guoqing (233)
Research on Seismic Performance Testing Method of Long-span Concrete-filled Steel Tubular Columns Under Random Vibrations	FU Jian (241)
Settlement Analysis of Building Pile Foundation Under Near-fault Pulse-like Ground Motions	LI Qi, LI Rui (246)
Influence of Foundation Pit Pile Rows on the Seismic Performance of Buildings	HOU Wencui, CHEN Nengyuan, GAO Jie (252)
Seismic Calculation and Analysis of the Pile Foundation of a Certain Bridge	JIA Peng, WANG Lanmin, WAN Zheng, QIU Rendong, LIU Jinbo (258)
Transverse Seismic Behavior of Continuous Skewed Girder Bridges with Elastomeric Pad Bearings	YAO Kai, XU Lueqin, LI Jianzhong, GONG Lian (265)
Spatial Seismic Response Analysis of Long-span Continuous Steel Truss Flexible Arch Bridge Under Multi-Support Excitations	SHI Cheng, LIN Pengzhen, ZHOU Peng, HE Zhigang (273)
Key Issues in Seismic Stability Analysis of Reef Sites in South China Sea	HU Jinjun, XU Changqi, XIE Lili, LI Qionglin (279)
Research on Focal Mechanisms of the Small and Micro Earthquakes in Shaanxi Area	HUI Shaoxing, YAN Chuan, WANG Ping, JIN Zhaodi (288)
Study on One Dimensional Crustal Velocity Model of Xinjiang Area	CHEN Xiangjun, SHANGGUAN Wenming, SONG Xiuqing (294)
Discovery and Implications of Sand Liquefaction in Eastern Xianyang, Shaanxi Province	WANG Shidi, SHI Yaqin, LI Gaoyang (305)
Characteristics of Strong Ground Motion Recorded During the August 24, 2016, Italy $M_w 6.2$ Earthquake	FENG Jiwei, LI Shanyou, SONG Jindong (316)
Anomaly Characteristics of Mobile Geomagnetic Observation in Hebei Province	CUI Zeyan, ZHANG Xiao, WANG Hui, LIU Jing, LI Jin, SU Shupeng (329)
Propagation Law of SH-wave Across Ground Fissure Interface	WANG Lei, WANG Rui, HU Zhiping, CHAI Shaobo, WANG Qiya (335)
Influence of Strong Motion on the Attribute Parameters Variation of Rocks in Mountainous Areas	XIAO Lili (344)
GPS Remote Sensing Positioning Technology for Unmanned Aerial Vehicle in Post-earthquake Area	SHI Shengchun (350)
Design of Earthquake Loss Value Evaluation Model Based on Big Data	ZHANG Jiaqing (356)

Intelligent Comprehensive Processing Technology of Earthquake Emergency Surveying and Mapping Information	ZENG Rui, WANG Yingyan, ZHANG Weichao (363)
Study of the Uplift Bearing Capacity of Pile Foundations in Ocean Engineering	GUO Xinyue, LIU Run (369)
FEM Inversion Algorithm in Frequency Domain for Elastic Wave CT Based on Energy Minimization Principles	XUE Long, LIU Tianyun, ZHANG Jianmin (376)
Analysis of Damage Modulus of Rock	LI Bo, XIAO Wei, WANG Huawei (384)

No.3

Study on Time-varying Damage Model of Multi-age Steel Frame Structures	ZHENG Shansuo, ZHANG Xiaohui, HUANG Weizeng, ZHAO Xuran, SUN Lebin (389)
Seismic Control Analysis of Large-span Space Structures under Multidimensional Earthquakes	ZHAO Xiang, LIU Zhonghua, WANG Sheliang, YANG Tao, ZHAN Meng (398)
Seismic Performance of Ultra High Voltage Gas Insulated Switchgear Porcelain Bushing	WANG Haibo, CHENG Yongfeng, SUN Yuhua, WANG Ninghua, LU Zhicheng, QIAO Zhenyu (406)
Panel Structure Instability BIM Model Design of High-rise Buildings under Continuous Vibration	WANG Juan (413)
Static Elastoplastic Analysis (Pushover Analysis) of the Factors Influencing Buckling-restrained Braced Steel Frame Structures	WANG Yonggui, SONG Hongdi (421)
Dynamic Characteristics of Masonry Structure of Low-rise Buildings under Earthquakes	LEI Jiang (432)
Fast and Efficient Multi-Dimensional Pseudo-Excitation Method for Seismic Calculation of " Building-Bridge Integration " Railway Station	XU Hanyong, YU Zhiwu (438)
Seismic Stability Analysis of Concrete Structures Based on Hysteretic Curves and Structural Dynamic Equations	YANG Jianhua, PENG Lishun (444)
Experiments on the Seismic Behavior of Thin-Walled Steel Tube/Bamboo Plywood Composite Columns	ZHAO Weifeng, TANG Kai, LONG Zhiling (450)
Seismic Site Effect of Circular Underground Cement — Soil Pile Foundation Considering Multi-factor and Complex Parameters	ZHANG Qizhi (458)
Simulation of Force Analysis Model for Foundation Pit Pile under Seismic Impact	ZHANG Fu (466)
Dynamic Performance of Pile Foundation in Loess During Strong Earthquakes	ZHANG Binwei, YAN Songhong (473)
Effect of Irregularity on the Progressive Collapse Resistance of Base-isolated Structures	BAO Chao, ZHANG Shangrong, MA Xiaotong, DU Yongfeng, ZHANG Lixin (480)
Optimization Research on a Seismic Analysis Model of Building Structures	SHEN Yi, GUO Yangzhao (490)
Discussion of Seismic Waves Selection Method for Isolation Structures	SHAO Tiancong, BAI Guoliang, ZHAO Jingquan (497)
Earthquake Response Analysis for Loess Sites in Far-Field of Wenchuan Earthquake	XIA Kun, ZHANG Lingxin, DONG Lin (504)
Experimental Study on the Freezing Strength Characteristics of Clay-Structure Interface in Cold Regions	CHEN Tuo, ZHAO Guangsi, ZHAO Tao (512)
Discussion on the Tancheng M8½ Earthquake of 1668 Based on the Intersection of Epicenter Migration : For the 350 th Anniversary of Tancheng Earthquake	GUO Zengjian, GUO Anning (519)
Preliminary Study on the Wave Velocity Ratio (v_p/v_s) in Hainan Island and Offshore Areas	ZHANG Hui, LI Zhixiong, LI Sheng (524)
Analysis of Gravity Earth Tide Using a New Intelligent Optimization Algorithm and Spectral Correlation Method	GAO Lue, QUAN Haiyan (535)
Random Field Features of Seismic Activity	MA Heqing, YANG Mingzhi (542)
Mathematical Modeling Analysis and Simulation of Variations in Seismic Wave Intensity	CHAI Ruishuai (549)
Probabilistic Seismic Hazard Analysis Based on Arias Intensity : A Case Study in Danling County, Sichuan Province and Its Surrounding Area	LI Xuejing, WU Jian, GAO Mengtan, XU Weijin (555)
Study of the Recent Crustal Horizontal Deformation in the Northern Segment of the North — South Seismic Belt Based on GPS Data	ZHANG Nan, WANG Jin, XU Wen-jun (562)
Design and Implementation of an Earthquake Early Warning Network System Based on Cloud Computing	

.....	CHEN Xinfang, LIU Qingjie, WANG Jinfeng (574)
Shaking Table Test on Seismic Dynamic Responses of Isolated Mountains	XIAO Wenjing, LIAO Jiaming, ZHANG Liangliagn (582)
Influence of Construction Disturbance from Close Upper Tunnel on Lower Tunnel	TANG Qiangsen, LIU Tao (591)
Emergency Model Design for Automatic Dispatching of Electric Power in Seismic Areas	HOU Hongsheng, ZHAO Meng, LIU Yi, ZHENG Yang, LI Junjie (597)
Design of a Damage Degree Estimation Model in Earthquake-prone Areas Based on Big Data	CHENG Guilan (604)
Local Compressional Behavior of Circular Tubed High Strength Grouting Material	ZHANG Xiaochi, CHEN Jianwei, YAN Wenshang, ZHENG Lingling (612)
Pressure-bearing Characteristics of Blockboard Building Materials under Strong Earthquakes	LIANG Mei (619)

No.4

Experimental Study on the Dynamic Response of Pile-group Structure in Saturated Sand with Different Thicknesses	LI Yurun, QIANG Dongfeng, ZOU Ze, LIU Huida, WANG Hai (625)
Random Seismic Response of a Suspension Bridge Considering Site Effect	ZHANG Bin, ZHANG Hongmin, GONG ZhaoWei (631)
Simulation Analysis of Transverse Vibration Response of High-Rise Buildings under Strong Earthquakes	WANG Yang (637)
Seismic Performance and Parameters Analysis of a Novel Fan-shaped Disc Energy Dissipation Device	YANG Qiong, GUO Yangzhao, WU Ti, YANG Cheng (643)
Effect of Eccentric Structures on the Seismic Performance of Buildings	CHEN Xiaobing, OUYANG Zhiyong, LI Yadong (652)
Finite Element Analysis of the Bearing Capacity of Steel Plates in Steel - structure Buildings under External Vibration	XU Songzhi (658)
Composite Mechanical Characteristics of Reinforced Concrete Box Girders in Earthquake Environments	LIU Mi, GAO Liang (665)
Analyzing the Seismic Performance of Buildings by Considering Shear-wall Transfer Structures	RAO Li (671)
Seismic Design of Steel-strip Refuge Buildings under High-intensity Earthquakes	JIN Xiaoyan (678)
Mechanical Properties of Split-Tunnel-Lining Structures Caused by Buried Ground Fissure Propagation	SHE Fangtao, LI Yaopu, LI Ting, WANG Songhe (684)
Load Measurement of Building Steel Bars Subjected to Lateral Pressure and Strong Earthquakes	REN Yanjuan (692)
Seismic Vulnerability Analysis of Multi-age Steel Bent Frame Structures Based on IDA Method	ZHENG Shansuo, ZUO Ying, ZHANG Xiaohui, SHI Lei, HUANG Weizeng, ZHENG Jie (698)
Seismic Vulnerability Analysis of RC Frame Structures through Different Structural Damage Models	YE Chenying, ZHAO Peng, XIANG Min (705)
Progressive Collapse Mechanism of Hybrid Structures with Different Vertical Stiffness	LIN Jiankang, YANG Wenwei, BAO Chao (713)
nfluence of Pile-Soil Interaction on the Seismic Fragility and Post-earthquake Traffic Capacity of an Isolated Bridge	TANG Yongjiu, FANG Sheng'en (717)
Dynamic Characteristics of the Base Isolation System Based on the Linear Rheological Model	SHENG Zhaohui, CAO Ye, ZHANG Tongxin (728)
The Evolution Law of Ground Temperature Field in Permafrost Roadbed of the Qinghai—Tibet Plateau under Climate Warming	YANG Kaifei, MU Yanhu, MA Wei, BI Guiquan, LI Guoyu, MAO Yuncheng (734)
Compression and Shear Deformation Properties of Marine Soft Soil Deposits in the Pearl River Delta	ZHANG Yan, GENG Jishi, MAO Lei, LIU Furong (745)
Experimental Investigation of Micro-mesoscopic Features of Loess Liquefaction	AN Liang, DENG Jin, WANG Lanmin (752)
Seismic Test of the Subgrade of Guangzhou Rail Transit Line 21	LI Tongan (759)
Prediction and Analysis of the 2017 Jiuzhaigou $M_{\text{S}}7.0$ Earthquake	GUO Guangmeng, JIANG Yongtao, YANG Jie, ZHANG Ziyue, ZHANG Miao (765)
Strong Ground Motion Records and Its Characteristics in Jiuzhaigou $M_{\text{S}}7.0$ Earthquake on August 8, 2017	XU Qin, GU Yunhe, SUN Yanpin (769)
Co-seismic Deformation Associated with the Jiuzhaigou, Sichuan $M_{\text{w}}6.6$ Earthquake by GPS Data	WANG Dongzheng, ZHAO Bin, LI Qi, YU Jiansheng, QI Yujie, LU Xiaofei, TAN Kai (778)
Activity Analysis of the Ladui—Naidong and Biding—Jiashela Faults in Xigaze, Tibet	LEI Shengxue, LI Zhenhai, ZHANG Wenpeng, CHEN Yukun, GUO Wei, XIE Jingbo, GAO Ye, GAO Jinrui (785)

New Activity and Slip Rate of Wudu—Kangxian Fault	JIA Wei, LIU Hongchun, LIU Yu, YUAN Daoyang, SHAO Yanxiu (794)
Relationship Between the Gravity and b -value Anomalies in Southeast Gansu and the Minxian—Zhangxian M 6.6 Earthquake	FENG Jianlin, LI Deqing, TAN Yujuan, QIN Jianzeng, XIE Ruyi, LIU Dongyang (802)
Characteristics of Ground Pulse Signals before the 2015 Alxa Left Banner M5.8 Earthquake	LIANG Shasha, GAO Lixin, XUE Ding, DAI Yong, GE gen (808)
Three-dimensional Q Tomography of P-wave Data in the Southwestern Ordos Margin	SHI Haikuo, ZHANG Yuansheng, MA Heqing, MA Xiaojun (815)
3D Reconstruction of Post-earthquake Area Images Considering Visual Communication Effect	LIU Xu (826)
Risk Modeling Analysis of Construction Sites under High-intensity Earthquakes	WU Jun, LIAO Wei, WANG Tao (833)
Improvement of the BIM Estimation Model for Post-earthquake Construction Schedule	WU Wei, CUI Hanlong, Zhang Lili (841)
Improved Construction Cost Model for Post-earthquake Reconstruction Based on Improved Genetic Algorithm	HU Danping, TAO Xueming (848)
Design and Implementation of a Mathematical Model for Earthquake Disaster Rescue Considering Time Constraint	WANG Qianfeng (853)
Application of Three Dimensional Neural Network Inversion in the Prediction of Water Abundance in Coal Seam Roof	FAN Erping, XUE Mingxi, ZHAO Huanhuan (859)
Seepage Problem in the Reinforcement of Earth-Rockfill Dam Based on Finite Element Method	ZHAO Xin, ZHOU Yang (867)

No.5

Effect of Circular Tunnels on Earthquake Subground Motions; Incidence of SH Wave	ZHOU Fengxi, PANG Binbin, ZHAI Ruizhi (873)
Performance-based Collapse Reliability Analysis of Base-isolated Frame-wall Structures	DU Yongfeng, HUANG Xiaoning, LI Hui (879)
Incremental Dynamic Analysis of High-rise Buildings Considering the Influence of Infilled Wall Stiffness	ZHOU Yun, PEI Yilin, ZHOU Yi, FANG Liang, YI Weijian (883)
Performance Analysis of the Cooperate Seismic System of the Infill Wall and Vibration Isolator Based on Finite Element Analysis (FEA)	LI Ran (891)
Seismic Performance of Frame Structures with Infilled Walls Considering the Effect of Wall—Frame Connection Stiffness	FAN Cunying, ZHOU Qiang, SUN Baitao (897)
Mechanical Response and Stability of the Lower Column of Mill Buildings under Vertical Dynamic Load	LU Yehong, ZHOU Yiyi (904)
Effect of Cave Dwelling Shape on the Seismic Performance of Structures	WANG Feijian, LIU Rushan, MA Zhaozhu (910)
Evaluation of Anti-seismic Damage and Collapse Capability of Reinforced Concrete Building Structures	WANG Yurong (919)
Seismic Construction Technology for Long-span Space Steel Structure Hangars	LI Peirong, ZHANG Zeping (926)
Seismic Response of a Coupled Building with Magneto Rheological Damper and Elastic Base Isolation	YANG Zulong, SU Youwen (932)
Theoretical Model and Analysis of the Frequency Response of a Rotational Eddy Current Damper with Cable Bracing	BAN Xinlei, XIE Liyu, XUE Songtao, ZHANG Ruifu (941)
Dynamic Responses of Two Identical Adjacent Structures Connected by Viscous Damper	WU Yali, RAO Lan, PENG Song (946)
Working Mechanism of Buckling-restrained Braces in the Seismic System of Double-column Bridge Piers	ZHANG Yongliang, DONG Yang, ZHANG Lei, CHEN Xingchong (957)
Aseismic Structure Design of Glazed Hollow Bead Insulation Concrete Shear Wall	ZHU Baohua, HAN Litong (963)
Failure Mechanism of K6 Single-layer Spherical ReticulatedShell Structures under Multipoint Impact Loads	WU Chang, GOU Baolong, LI Dongjie, TIAN Ye (969)
A Damage Detection Method for Masonry Structures under Moderate-Strong Earthquakes	ZHU Ye, LUO Fan (976)
Rayleigh Damping Model of Mixed Structures Based on Complex Damping Theory	LIU Qinglin, SUN Panxu, YANG Hong (983)
Effect of Mesostructure on the Dynamic Mechanical Properties of Concrete	LEI Guangyu, SUN Jianhong, WANG Huanyuan (988)
Comparison of Calculation Methods for Seismic Response of Underground Structures in Design Codes	

- DENG Yujie, LIANG Fayun (996)
 Wind-induced Vibration Control of Linear-motor-driven Tower Structures Considering the CSI Effect LIU Jie, LIU Hongbo, LIU Hongjun (1004)
² Factorial Design for Deformation of Silty Soil around Tunnel under Subway Loading YAN Chunling, ZHANG Shushi, LI Yangyang, KONG Yudong (1012)
 Experimental Study of Dynamic Characteristics of Fly Ash in Ash Storage Dams SHE Fangtao, WANG Songhe, LI Junqi, DING Jiulong, WANG Qiang (1018)
 Distribution Features of Soft Soil and the Prediction of Seismic Subsidence in Guangzhou Urban Area Based on High-Density Boreholes BI Lisi, CHEN Xiaofang, LU Banghua (1026)
 Spatial-temporal Characteristics of the Focal Mechanism Solutions Consistency Parameter of Changdao Earthquake Swarm LIU Fangbin, QU Junhao, LI Guoyi, TIAN Zhaoyang (1034)
 Preliminary Study on the Division of the Bayan Har Block Using GPS Data and a Block Model and the Tectonic Implications of the Division YAO Shenghai, CHENG Jia, YAO Qi, ZHANG Jiaqing (1042)
 Mobile Monitoring Network Layout Technique for Fault Gas Based on Seismogenic Mode ZHOU Huiting, SU Hejun, ZHANG Hui, LI Chenhua, WANG Yanhong (1052)
 Forecasts of $M_w \geq 6.0$ Earthquake Tendency in Venezuela and Surrounding Areas Based on the Symmetry Principle and its Relationship with the Earth Rotation MENG Qingbin, YAN Junping, LU Jiayu (1061)
 Evaluation of Reflecting Earthquake Ability of Deformation Stations in Hebei Province Based on Tidal Factors HOU Xiaozhen, CHEN Jianguo, MA Dong, QU Man, ZHANG Xiao, HAN Jing, WANG Shi (1068)
 Derterminatin of the Largest Aftershock of Wenchuan $M_s 8.0$ Earthquake in 2008 by the Coriolis Force Effect BAI Xuejian, REN Dong, JIA Yuanyuan, DUAN Boru (1073)
 Development and Distribution Characteristics of Geological Hazards after the 2014 Ludian $M_s 6.5$ Earthquake YANG Xiuyuan, YAO Yahui (1078)
 Risk Assessment of Landslides Caused by Wenchuan Earthquakes : A Case Study in the Wudu District and Wenxian County, Gansu Province SUN Yanping, ZHANG Suping, CHEN Wenkai, ZHOU Zhonghong (1084)
 A Technique for the Rapid Assessment of Construction Costs in the Reconstruction of Post-earthquake Disaster Areas WU Jiaojiao, LIU Ji (1092)
 Design of an Information Management Model for Regional Water Resources Considering Pollution by Earthquake HU Peng, YUAN Xiping (1098)
 Model Simulation of the Optimal System for Urban Earthquake Disaster Relief CHEN Yueping (1105)
 Design of the Monitoring System for Large Earthquake Regions Based on the Internet of Things ZOU Xialing, PENG Shaoqin, PI Yibiao (1111)
 Parallel Optimization Design , Incorporating Uncertainty , of Emergency Rescue Equipment for Earthquake Disasters LIU Hang (1118)
 Study on Nonlinear Fitting Results of Resonant Column Test YAN Zhaolun, CHEN Xueliang, GAO Zhibing, YANG Weilin, HONG Haichun (1124)
 Discussion on the Geomagnetic Low-point Displacement with the Rhythm of Multiplied Nine Days after a Magnetic Storm as a Supplementary Prediction Method ... GUO Zengjian, GUO Anning, JIA Yuanyuan, DUAN Boru (1131)

No.6

- A Review of Research Trends and Progress in Geotechnical Earthquake Engineering: the 16th European Conference on Earthquake Engineering WANG Lanmin, XIA Kun, LIU Kun, WANG Qian, JIA Peng, CHAI Shaofeng (1133)
 Vibration Response Analysis of Embankments in Permafrost Regions along the Qinghai—Tibet Railway Subjected to Train Loads DONG Liancheng, XU Zhen, SHI Lijing, HU Xinfu, GAO Deling (1153)
 Dynamic Characteristics of Compacted Loess under Controlled-stress and Controlled-strain Modes HU Zhiping, WANG Qiang, ZHANG Yuhe, WEI Xueni, WANG Rui (1161)
 Characteristics of Ground Motion Parameters of Loess-high Filling Sites LAI Chunjing, ZHU Yanpeng, WANG Chunqing, MA Tianzhong (1168)
 Influence of Input Interface Selection on Ground Motion Parameters in Seismic Response Analyses FANG Yi, LÜ Yuejun, PENG Yanju, CHEN Guoxing (1174)
 Bucket Spudcan Penetration Resistance in Saturated Sand WU Qu'nan, LIU Run, ZHANG Haiyang, WANG Yufei (1183)
 Survey of Overburden Thickness of Sites and Establishment of Three-Dimensional Terrain Model in the Meizoseismal Area of Minxian—Zhangxian $M_s 6.6$ Earthquake LI Lu, WU Zhijian, LI Ruikuan, ZHAO Tao (1191)
 Evaluation of Aseismic Subsidence of Loess Foundation with Different Ground Treatments under Strong Earthquake

- XU Shuya, WANG Ping, WANG Jun, WANG Huijuan, YU Yifan (1198)
Parametric Study on the Seismic Random Vibration Model Based on the New "Code for Seismic Design of Electrical
Installations" TIAN Li, GAO Guodong, GAI Xia (1206)
Research on a Seismic Damage Model of Steel Frame Columns Considering Corrosion
..... ZHENG Shansuo, SHI Lei, ZHOU Yan, ZHANG Qiushi, ZHU Lanqi (1211)
Seismic Damage Model of High-rise Buildings under Far-field Long-period Ground Motions
..... DING Jiang, LIU Wenzhi, FANG Chuanbin (1217)
Seismic Response of Underground Utility Tunnel Structures in Saturated Soils
..... JIANG Luzhen, LI Shuangfei, SHI Wengqian, AN Junhai, CHEN Yanhua (1224)
Optimization of Spatial Building Structures Considering Seismic Constraints XU Li, HU Hong (1231)
Stress Field and Fracture Distribution of Unreinforced Masonry Walls under Dynamic Loading
..... YU Qingfeng, HU Min (1236)
Seismic Performance of Irregular Bridges Considering Structural Pounding under Traveling Wave Excitation
..... YAN Lei, LI Qingning, ZHAO Huajing, SHEN Jiwei, LI Linyan (1243)
Strengthening Measures and Suggestions for Seismic Design of Out-of-code High-rise Buildings; A Case Study
..... LU Yilin, YIN Fengxia, GUO Xianzhou (1252)
Seismic Performance Evaluation of Concrete Frame Structures Based on Different Ground Characteristics
..... ZHANG Danli, XIE Qiang (1259)
Seismic Design of Symbolic Landscape Tower in Urban Green Spaces for Emergency Avoidance WANG Qing (1266)
Design and Simulation of a Model for Seismic Belt Urban Planning LI Qingya (1272)
Study on the Disease Behavior of the Great Wall of the Ming Dynasty along the Silk Road
..... TANG Hongmin, SHI Yucheng, LIU Kun, LU Yuxia, GUO Peng, WEI Lai, LI Tonglin (1278)
Detection of the Kangding—Selaha Fault in the Southeast Section of the Xianshuhe Fault Zone Using Shallow
Geophysical Method LIU Wei, LI Dahu, LIANG Mingjian (1287)
Sample Size Determination for Strong Ground Motion Inputs Based on Reliability—Consistent Method
..... CHEN Bo, WEN Zengping (1295)
Analysis of the Seismogenic Structure of the Xianyou Earthquake Swarm Sequence in Fujian Province
..... QIN Shuanglong, QIU Yi (1306)
Inelastic Attenuation Q Value, Site Response, and Seismic Source Parameters in Changdao Region, Shandong
..... ZHOU Shaohui, QU Junhao, MIAO Qingjie, LI Bo, GUO Zongbin, LIU Fangbin (1312)
Research on the Seismic Strain Field prior to the 2017 Jiuzhaigou, Sichuan $M_S 7.0$ Earthquake
..... LUO Guofu, LIU Zhongwang, DING Fenghe, MA Heqing, YANG Mingzhi (1322)
Automatic Identification of Anomalous Infrasonic Waves prior to Earthquake in Cloud Computing Environment
..... QIAO Hongli, ZHANG Changzai (1331)
Research and Validation of Rapid Magnitude Estimation Model for Early Earthquake Warning in the Sichuan Region
Using Events from the Yunnan Region, 2014
..... LI Hongjie, FAN Huihui, HU Rongping, HAN Jiayi, ZHANG Jianjing (1337)
Design of a Model for the Scheduling of Emergency Logistics Resources after Earthquakes against the Background of
Big Data Analysis CHEN Tian, LIN Yong (1343)
Construction Site Safety Management Method Based on ARIO Model for Post-earthquake Reconstruction
..... GU Liansheng (1350)
Research on Personnel Search-and-rescue Method in Earthquake Area Based on Visual Imagery
..... HU Yuhang, ZHANG Feng (1356)
GIS-based Gridding Method for Spatial Distribution of Post-earthquake Repaired Buildings LUO Lei, WANG Bin (1362)
On the Servo Control System of Unmanned Rescue Vehicle in Sudden Earthquake Disasters
..... YUE Guang, PAN Yutian (1366)
A Model of Fire Risk Assessment of Post-earthquake Buildings Based on Fuzzy Mathematics ZHANG Wen (1372)
Operational Modal Parameter Identification Using the Expectation Maximization Algorithm
..... ZHANG Kang, SHI Yuanfeng (1378)
Development of a Clock Device for Artificial Seismic Sounding Based on GPS
..... LI Congqing, TENG Yuntian, SUN Hong, ZHU Yanhang, GUO Lei (1384)
A New Fault Detection Method for High-sensitivity Electronic Early-warning Device WEN Hongyuan (1389)
60th Anniversary of the First Earthquake Prediction in China and the Discovery of Haiyuan Fault
..... Editorial Department of China Earthquake Engineering Journal (1396)