

华南地震

2020年 第40卷 第四期

目次

地震研究

- 陆地水体气枪震源重复性的影响因素及控制方法·····杨微, 王宝善, 王伟涛, 胡久鹏 (1)
- 东南沿海地震带 $M \geq 5$ 级中强地震活动的时空丛集特征·····陈大庆, 邵叶, 谭争光, 黄元敏 (10)
- 广东测震台站的场地响应以及对震级确定的影响分析·····熊成, 叶秀薇, 张严心 (18)
- MT/CSELF 视电阻率影响系数及各地层贡献的初步研究·····文雯, 毛先进, 杨玲英, 段炜 (29)
- 湖南常德及其周边地区的地震重定位与应力场分析
·····崔华伟, 郑建常, 侯志刚, 赵金花, 郑旭 (35)
- 地震应急自动触发计算产出历史地震活动性资料及前兆观测信息的研究
·····洪旭瑜, 林苗禄, 关玉梅, 李强 (42)
- 广东地震台网水平定位能力评估·····林庆西, 梁明, 杨选, 姜喜姣 (49)
- 六安城区地震工程地质分区研究·····解惠婷, 曹均锋, 冯伟栋, 彭刘亚 (56)
- 安全态势感知联动防护在地震网络安全保障的应用·····粟毅, 安小伟, 李振, 吕帅, 刘鹏飞 (63)
- 剪切波分裂分析方法对地震各向异性研究进展·····田鹏, 杨周胜 (71)
- 基于加权马氏距离法的砂土液化评级模型·····张少腾, 余娟, 刘晶, 高明智, 李佩, 刘飞 (79)
- 四川长宁 6.0 级地震库仑应力变化及其对余震的触发作用
·····章阳, 陈婷, 王利兵, 罗娜, 张朋杰 (85)
- 海南三亚 4.2 级、3.2 级地震的波形特征和震源新参数
·····孙佩雯, 彭利媚, 李冬雅, 王芄, 麻福洋 (93)

土木工程防震减灾

- 三维基础隔震(振)技术与装置研究简述·····吴迪, 沈朝勇, 熊焱, 蒋国平, 冼巧玲 (101)
- 震后电力抢修力量快速优化调配决策模型研究·····邓砚, 孙孝波, 范熙伟, 齐文华 (110)
- 地震下钢筋纤维页岩陶粒混凝土动态抗压强度数值模拟分析
·····郭金龙, 代学灵, 肖三霞, 陈峰, 林键辉, 张平平 (119)
- BIM 技术在低层建筑环境振动特性分析中的应用·····张伟, 韩旭, 刘会尧, 王起, 龚竞赛 (127)
- 单桩式基础海上风电塔强振分析·····张翼, 金波, 郑涛 (133)
- 减震隔震技术下高层建筑消能减震结构概念设计·····高卫红 (140)
- 地震波冲击下高层建筑震害危险性评估模型分析·····王会 (146)
- 软土地基低层房屋砌体结构地震易损性分析·····余克兴 (152)

* * * * *

期刊基本参数: CN44-1266/P*1981*q*A4*158*zh*p*¥10.00*1000*21*2020-12

本期责任编辑: 李健梅

编校: 李健梅, 宫会玲

英文审校: 宫会玲

SOUTH CHINA JOURNAL OF SEISMOLOGY

Vol.40 No.4 2020

CONTENTS

Earthquake Research

- Influence Factors and Control Methods for the Repeatability of Air Gun Source in Land Reservoirs
.....*YANG Wei, WANG Baoshan, WANG Weitao, HU Jiupeng* (1)
- Spatial-temporal Clustering Characteristics of $M \geq 5$ Moderate and Strong Seismic Activities in the Southeast Coastal Seismic Belt.....*CHEN Daqing, SHAO Ye, TAN Zhengguang, HUANG Yuanmin* (10)
- Site Response of Guangdong Seismic Stations and Its Influence on Determination of Earthquake Magnitude
.....*XIONG Cheng, YE Xiuwei, ZHANG Yanxin*(18)
- A Preliminary Study on the Influence Coefficients of MT/CSELF Apparent Resistivity and the Contributions of Each Layer
.....*WEN Wen, MAO Xianjin, YANG Lingying, DUAN Wei* (29)
- The Analysis of Earthquake Relocation and Stress Field in Changde and Its Adjacent Area, Hunan
.....*CUI Huawei, ZHENG Jianchang, HOU Zhigang, ZHAO Jinhua, ZHENG Xu* (35)
- Research on the Automatic Triggering of Historical Seismicity Data and Precursory Observation Information in Earthquake Emergency.....*HONG Xuyu, LIN Miaolu, GUAN Yumei, LI Qiang* (42)
- The Estimation of Horizontal Location Ability for Guangdong Seismic Network
.....*LIN Qingxi, LIANG Ming, YANG Xuan, JIANG Xijiao* (49)
- A Study on Earthquake Engineering Geological Zoning in Lu'an City
.....*XIE Huiting, CAO Junfeng, FENG Weidong, PENG Liuya* (56)
- Application of Security Situation Awareness Linkage Protection in Seismic Network Security Assurance
.....*SU Yi, AN Xiaowei, LI Zhen, LV Shuai, LIU Pengfei* (63)
- The Hadoop Storage Scheme of Seismic Monitoring Data Research Advances of Shear Splitting Analysis in Seismic Anisotropy.....*TIAN Peng, YANG Zhousheng* (71)
- Evaluation Model of Sand Soil Liquefaction based on Weighted Mahalanobis Distance Method
.....*ZHANG Shaoteng, YU Juan, ZLIU Jing, GAO Mingzhi, LI Pei, LIU Fei* (79)
- The Coulomb Stress Change of the Sichuan Changning 6.0 Earthquake and Its Triggering Effect on Aftershocks
.....*ZHANG Yang, CHEN Ting, WANG Libing, LUO Na, ZHANG Pengjie* (85)
- Waveform Characteristics and New Source Parameters of the $M4.2$, $M3.2$ Earthquakes in Sanya, Hainan
.....*SUN Peiwen, PENG Limei, LI Dongya, WANG Chong, MA Fuyang* (93)

Civil Engineering Earthquake Prevention and Disaster Reduction

- Brief Review of Three-dimensional Base Seismic (Vibration) Isolation Technology and Device
.....*WU Di, SHEN Chaoyong, XIONG Yan, JIANG Guoping, XIAN Qiaoling* (101)
- Research on Decision-making Model of Optimal Allocation for Electrical Emergency Workers after the Earthquake
.....*DENG Yan, SUN Xiaobo, FAN Xiwei, QI Wenhua* (110)
- Numerical Simulation of Dynamic Compressive Strength of Steel Fiber Shale Ceramsite Concrete Under Seismic
.....*GUO Jinlong, DAI Xueling, XIAO Sanxia, CHEN Feng, LIN Jianhui, ZHANG Pingping* (119)
- Application of BIM Technology in Environmental Vibration Characteristics Analysis of Low-rise Buildings
.....*ZHANG Wei, HAN Xu, LIU Huiyao, WANG Qi, GONG Jingsa* (127)
- Strong Vibration Analysis of Single-pile Foundation Offshore Wind Power Tower
.....*ZHANG Yi, JIN Bo, ZHENG Tao* (133)
- Conceptual Design of Energy Dissipation and Shock Absorption Structure of High-rise Building with Shock Absorption and Isolation Technology.....*GAO Weihong* (140)
- Analysis of Seismic Hazard Assessment Model of High-rise buildings under Seismic Wave Impact.....*WANG Hui* (146)
- Seismic Vulnerability Analysis of Masonry Structure of Low-Rise Buildings on Soft Soil Foundation.....*YU Kexing*(152)

Managing Editor of This Issue: LI Jianmei

Examiner of English Abstracts: GONG Huiling