

SOUTH CHINA JOURNAL OF SEISMOLOGY
Vol.40 No.3 2020

CONTENTS

Earthquake Research

Study of Inelastic Attenuation and Site Response in Weihe Basin and Its Adjacent Area	WANG Weidong, ZHANG Yucheng, ZHAO Yunfeng, ZHENG Yi (1)
Analysis of the Relationship between the Anomalous Dynamic Change of GPS Surface Expansion Grid and the Earthquakes with $M \geq 5.0$ in Yunnan	XU Shengxin, WANG Yan, GU Youqi (6)
The Research on Application of Site Correction of Ground Motion in Rapid Reporting of Seismic Intensity	FANG Jiazhi, ZHANG Ying, WANG Kui, DONG Yi (17)
Study on Receiver Functions of Yugan Seismic Station Based On Harmonic Decomposition	ZHA Xiaohui, ZHAO Ying, ZENG Wenjing, LUO Li, GUO Yufan (27)
Study on the Variation of Wave Velocity Ratio of Yalong River Jinping Level I Hydropower Station after Retaining Water at the Reservoir Area	DU Yao, SHAO Yuping, RUAN Xiang, WANG Yuwei, DAI Shigui (34)
Three Dimensional P-Wave Velocity Structure Inversion of Jiangsu and Its Adjacent Areas	ZHANG Yang, GONG Jie, ZHANG Min, SHAN Han, WANG Jia, YANG Chi, LI Zhengkai (44)
Analysis of the Gravity and Magnetic Anomalies of the Yongqing M4.3 Earthquake in Hebei	ZHANG Na, GONG Yanmin, SU Shupeng (49)
Analysis on the Influencing Factors of Dynamic Change of Digital Water Level of Wangmin Well in Xiji	ZHU Pengtao, SHEN Ning, LI Zirui, MA Heqing (55)
The Coseismic Deformation Field Obtaining of Meinung $M_w 6.7$ Earthquake in Taiwan based on D-InSAR	LIU Zengwei, TAO Qiuxiang, WANG Feng, LI Xingyuan (63)
The Hadoop Storage Scheme of Seismic Monitoring Data	ZHAO Hui (70)
Discussion on Improving the Observation Precision of Microgravimetry	CHEN Ming (76)
Analysis of Seismic Performance of VS Vertical Pendulum in Shaoguan Station	GAO Huailong, WANG Fasheng, YU Xiaojun, LI Zhuang, LI Chong (84)
Study on Characteristics of Geoelectric Field Observations before the Songyuan M5.7 Earthquake in 2018	LI Fei, SHI Hongjun, GAO Yan, LIU Libo (92)
Seismic Performance Investigation and Analysis of Rural Buildings in Fanxian County, Henan Province	SUN Jie, LI Tao, ZHANG Yang, MA Xingquan, ZHAO Xiangang (102)
Reliability Demonstration of Observation Data of Component Borehole Strain Meter in the Middle Tianshan	ZHANG Jiamin, YANG Shaofu (108)

Marine geophysics

The Characteristics of Variable Geomagnetic Field in Ocean Water at Different Depths	LU Jinghui, FENG Zhaoyi, XU Xing, QIU Jie (116)
Analysis of Key Techniques for Processing Old Seismic Data in the Southern South China Sea Basin	LIU Yuping, LI Fuyuan, GU Yuan, LI Liqing (124)
Research on the Temporal and Spatial Evolution of the Quanzhou Bay Coastline	TANG Jianglang, XUE Qiao, LI Gang, ZHU Boqin (137)

Civil Engineering Earthquake Prevention and Disaster Reduction

Seismic Safety Analysis of Urban Underground Pipelines Based on Large Data Analysis	ZHOU Yongbo (148)
Application of Tuned Mass Damper in Semi-active Control of Seismic Response of High-rise Building with Podium	YU Kexing (155)
Seismic Analysis of Concrete Frame Structure Construction Technology in Residential Buildings	HUANG Min (161)

Managing Editor of This Issue: LI Jianmei

Examiner of English Abstracts: GONG Huiling