

#### 综述

- 3573 陆面微波比辐射率的卫星观测研究进展 ..... 何文英, 陈洪滨, 李军
- 3585 西南印度洋中脊地质构造特征及其地球动力学意义 ..... 余星, 迪克·亨利, 李小虎, 初凤友, 董彦辉, 胡航

#### 空间物理学·大气物理学

- 3604 地磁场结构对静止轨道 $\geq 2$  MeV 高能电子分布的影响 ..... 孙晓婧, 林瑞淋, 刘四清, 师立勤, 张效信, 钟秋珍, 罗冰显, 龚建村, 程永宏
- 3626 夏季南亚高压对流层中上层异常暖中心时空分布特征及其激发的大气波动 ..... 贾建颖, 刘毅

#### 地球动力学·地震学·地磁学

- 3640 青藏高原 S 波和泊松比的层析成像 ..... 瞿辰, 刘晓宇, 于常青, 胥颐, 杨文采
- 3653 利用区域双差层析成像方法研究川滇南部地壳结构特征 ..... 邓山泉, 章文波, 于湘伟, 宋倩, 王小娜
- 3669 安宁河—则木河断裂带和大凉山断裂带孕震深度研究及其地震危险性 ..... 李姜一, 周本刚, 李铁明, 杨永林, 李正芳, 龙锋
- 3683 川滇地震科学实验场地震目录最小完整性震级分析 ..... 史翔宇, 王晓青, 邱玉荣, 袁小祥
- 3698 2011 年日本  $M_w 9.0$  地震对沂沭断裂带及其两侧地区地壳运动的同震影响研究 ..... 朱成林, 甘卫军, 贾媛, 殷海涛, 肖根如, 李杰, 梁诗明, 张海平
- 3712 不同摩擦本构关系对断层自发破裂动力学过

- 程的影响 ..... 唐荣江, 朱守彪
- 3727 造山带下岩石圈地幔小尺度减薄的动力学成因 ..... 雷天, 李忠海, 刘勉
- 3740 构造与地表过程相互作用: 正断层陡崖形态和几何特征分析 ..... 李伊菲, 石耀霖, 张怀
- 3751 利用黏弹性有限元模型研究挪威北海北部地区末次冰期以来的冰后回弹和应力演化 ..... 孟秋, 胡才博, 石耀霖
- 3764 地震环境噪声成像中的地形影响校正 ..... 赵盼盼, Michel Campillo, 陈九辉, 刘启元, 李昱, 郭颺
- 3775 三河—平谷地区地脉动 H/V 谱比法探测: 场地响应、浅层沉积结构及其反映的断层活动 ..... 彭菲, 王伟君, 寇华东
- 3791 天山及邻区 Vening Meinesz 均衡重力异常特征及其动力学意义 ..... 张星宇, 陈超, 杜劲松, 胡正旺, 刘鹏宇
- 3804 青藏高原东南缘深部地壳流与地磁日变化短时畸变源电流的联系 ..... 章鑫, 姚丽, 冯志生

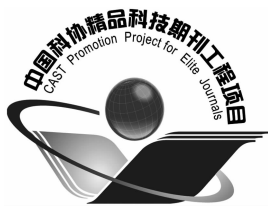
#### 应用地球物理学

- 3827 地震数据互相关驱动的多道反演方法 ..... 印兴耀, 杨亚明, 李坤, 满建, 李红梅, 冯德永
- 3838 利用矩阵分解理论的双程波方程叠前深度偏移方法 ..... 尤加春, 曹俊兴, 王俊

- 3849 速度光滑对反射地震信号的影响分析 ……  
…………… 魏脯力, 孙建国, 孟祥羽,  
徐杨杨, 刘明忱, 商耀达
- 3857 微动多阶瑞雷波 SPAC 系数反演方法及应用  
研究 …………… 徐佩芬, 杜亚楠, 凌甦群,  
游志伟, 姚金, 张华
- 3868 “宽频带、宽方位和高密度”陆上三维地震观  
测系统聚焦分辨率分析 …… 常紫娟, 魏伟,

符力耘, 秦楠, 苏俊, 孙伟家

- 3886 改进的约束变密度界面反演策略及其应用  
…… 张盛, 张明华, 刘玲, 乔计花, 刘绍飞
- 3896 三维大地电磁自适应  $L_1$  范数正则化反演  
…… 阮帅, 汤吉, 陈小斌, 董泽义, 孙翔宇
- 3912 基于交叉梯度约束的电阻率法和背景噪声法  
三维联合反演研究 …………… 吴萍萍, 谭捍东,  
陶涛, 马欢, 丁志峰, 许乐红



Contents

Review

- 3573 Development of land surface microwave emissivity retrieval using satellite observations ..... HE WenYing, CHEN HongBin, LI Jun
- 3585 The geotectonic features of the Southwest Indian Ridge and its geodynamic implications ..... YU Xing, DICK Henry, LI XiaoHu, CHU FengYou, DONG YanHui, HU Hang

Space physics · Atmospheric physics

- 3604 Influence of geomagnetic field structure on  $\geq 2$  MeV electron distribution at the geostationary orbit ..... SUN XiaoJing, LIN RuiLin, LIU SiQing, SHI LiQin, ZHANG XiaoXin, ZHONG QiuZhen, LUO BingXian, GONG JianCun, CHENG YongHong
- 3626 Spatial-temporal characteristics of the Asia High warm center and atmospheric waves excited by it in upper troposphere ..... JIA JianYing, LIU Yi

Geodynamics · Seismology · Geomagnetism

- 3640 S wave velocity and Poisson's ratio tomography of the Tibetan Plateau ..... QU Chen, LIU XiaoYu, YU ChangQing, XU Yi, YANG WenCai
- 3653 Analysis on crustal structure characteristics of southern Sichuan-Yunnan by regional double-difference seismic tomography ... DENG ShanQuan, ZHANG WenBo, YU XiangWei, SONG Qian, WANG XiaoNa
- 3669 Seismogenic depths of the Anninghe-Zemuhe and Daliangshan fault zones and their seismic hazards ..... LI JiangYi, ZHOU BenGang, LI TieMing, YANG YongLin, LI ZhengFang, LONG Feng

- 3683 Analysis of the minimum magnitude of completeness for earthquake catalog in China Seismic Experimental Site ..... SHI XiangYu, WANG XiaoQing, QIU YuRong, YUAN XiaoXiang
- 3698 Coseismic effects of the Tohoku  $M_w 9.0$  earthquake in 2011 on the crustal movement of Yishu fault zone and its bilateral areas ... ZHU ChengLin, GAN WeiJun, JIA Yuan, YIN HaiTao, XIAO GenRu, LI Jie, LIANG ShiMing, ZHANG HaiPing
- 3712 The effect of different friction laws on dynamic simulations of spontaneous rupture propagation ..... TANG RongJiang, ZHU ShouBiao
- 3727 Dynamics of small-scale removing of mantle lithosphere under orogens ... LEI Tian, LI ZhongHai, LIU Mian
- 3740 Interaction between tectonic and surface processes: analysis of normal fault scarp morphology and geometric features ..... LI YiFei, SHI YaoLin, ZHANG Huai
- 3751 The study of post-glacial rebound and stress evolution since the Last Ice Age in the northern North Sea of Norway by using viscoelastic finite element model ..... MENG Qiu, HU CaiBo, SHI YaoLin
- 3764 Topographic correction in ambient noise tomography ..... ZHAO PanPan, Michel Campillo, CHEN JiuHui, LIU QiYuan, LI Yu, GUO Biao
- 3775 Microtremor H/V spectral ratio investigation in the Sanhe-Pinggu area: site responses, shallow sedimentary structure, and fault activity revealed ..... PENG Fei, WANG WeiJun, KOU HuaDong
- 3791 Characteristics of Vening Meinesz isostatic gravity anomalies in Tien Shan and surroundings and its dynamic significances ..... ZHANG XingYu, CHEN Chao, DU JinSong, HU ZhengWang, LIU PengYu

- 3804 Relationship between deep crustal flows and source currents of short time geomagnetic diurnal-variations distortion in southeast margin of Qinghai-Tibet Plateau**  
 ..... ZHANG Xin, YAO Li, FENG ZhiSheng
- 3818 Characteristics of interference from HVDC transmission to the horizontal component and magnetic declination of the geomagnetic field** ..... LIN XiuNa, QU BaoAn, FAN XiaoYong, CHEN HongKai, YU QingMin, ZHAO YinGang

**Applied geophysics**

- 3827 Multitrace inversion driven by cross-correlation of seismic data** ..... YIN XingYao, YANG YaMing, LI Kun, MAN Jian, LI HongMei, FENG DeYong
- 3838 Two-way wave equation prestack depth migration using the matrix decomposition theory** ..... YOU JiaChun, CAO JunXing, WANG Jun
- 3849 Influence of smoothing velocity on reflected seismic signal**  
 ..... WEI PuLi, SUN JianGuo, MENG XiangYu, XU YangYang, LIU MingChen, SHANG YaoDa

- 3857 Microtremor survey method based on inversion of the SPAC coefficient of multi-mode Rayleigh waves and its application**  
 ..... XU PeiFen, DU YaNan, LING SuQun, YOU ZhiWei, YAO Jin, ZHANG Hua
- 3868 Focal beam resolution analysis of wide-band, wide-azimuth and high-density land 3D seismic acquisition geometries**  
 ..... CHANG ZiJuan, WEI Wei, FU LiYun, QIN Nan, SU Jun, SUN WeiJia
- 3886 Improved interface inversion based on constrained varying density and its application** ..... ZHANG Sheng, ZHANG MingHua, LIU Ling, QIAO JiHua, LIU ShaoFei
- 3896 Three-dimensional magnetotelluric inversion based on adaptive  $L_1$ -norm regularization** ..... RUAN Shuai, TANG Ji, CHEN XiaoBin, DONG ZeYi, SUN XiangYu
- 3912 Three-dimensional joint inversion of the resistivity method and ambient noise method with cross-gradient constraints**  
 ..... WU PingPing, TAN HanDong, TAO Tao, MA Huan, DING ZhiFeng, XU LeHong