

目次

· 基础地质 ·

巴颜喀拉构造带二叠—三叠纪岩相特征及构造演化..... 陈守建,李荣社,计文化,等 (393)

旋回地层学理论基础、研究进展和展望 ..... 吴怀春,张世红,冯庆来,等 (409)

辽西义县晚白垩世大兴庄组流纹岩的地球化学特征及其成因 ..... 李伍平 (429)

鄂西晚泥盆世含磷鲕状铁矿石中磷的赋存状态与形成..... 柴辛娜,李 明,金振民,等 (440)

关于南海中央次海盆海山火山岩形成背景与构造约束的再认识..... 杨蜀颖,方念乔,杨胜雄,等 (455)

太行山南段西安里早白垩世角闪辉长岩的成因:锆石 U-Pb 年龄、Hf 同位素和岩石地球化学证据  
..... 王春光,许文良,王 枫,等 (471)

华北克拉通东部及苏鲁造山带的地壳生长:来自现代河流碎屑锆石的 U-Pb 定年和 Hf 同位素证据  
..... 耿显雷,高 山,陈 晨 (483)

黔西滇东地区早三叠世早期植物化石研究的新进展..... 陈建华,喻建新,黄其胜,等 (500)

流体—超镁铁质岩相互作用与硬玉岩的形成..... 祁 敏,向 华,钟增球,等 (511)

· 能源地质 ·

根据构造脊和地球化学指标研究油气运移路径:以东濮凹陷濮卫地区为例  
..... 蒋有录,刘景东,李晓燕,等 (521)

烃源岩非均质性对有机质生烃动力学参数影响及评价  
..... 王 民,卢双舫,薛海涛,等 (530)

塔里木盆地早、中志留世沉积序列及其对构造—海平面变化的响应:以柯坪露头区为例  
..... 邢凤存,白振瑞,李 赓,等 (541)

辽西低凸起与辽中凹陷油气成藏期次的异同..... 姜 雪,徐长贵,邹华耀,等 (555)

北塘凹陷古近系烃源岩特征及热演化史模拟..... 白云凤,王 华,王振升,等 (565)

· 材料和环境工程 ·

纳米微粒多重分数维准晶结构模型:一种新型的金属纳米材料 ..... 陈斌,官斯宁,龙光芝,等 (572)

基于黏弹塑性的云岭隧道软弱围岩参数反演与稳定性分析 ..... 王晚睿,南冬梅,朱学峰 (581)

饱和软土地基中 PHC 群桩贯入过程的能量耗散模型 ..... 刘 镇,周翠英 (587)

土著微生物参与下河套平原地下水中砷的还原作用..... 杨 会,王焰新,谢先军,等 (594)

《地球科学——中国地质大学学报》2011年第36卷第4期要目预告 ..... (593)

# EARTH SCIENCE—JOURNAL OF CHINA

UNIVERSITY OF GEOSCIENCES

Vol. 36 No. 3 May 2011

---

## CONTENTS

- Lithostratigraphy Character and Tectonic-Evolution of Permian-Trias in the Bayankala Tectonic Belt  
..... CHEN *Shou-jian*, LI *Rong-she*, JI *Wen-hua*, *et al* (393)
- Theoretical Basis, Research Advancement and Prospects of Cyclostratigraphy  
..... WU *Huai-chun*, ZHANG *Shi-hong*, FENG *Qing-lai*, *et al* (409)
- Geochemistry Characteristics of the Late Cretaceous Adakitic Rhyolites of Daxingzhuang Formation and its Genesis in  
Yixian Area, Western Liaoning Province ..... LI *Wu-ping* (429)
- Occurrence and Formation of Phosphorus in Late Devonian Phosphate-Bearing Ooidal Ironstones from Western Hubei, China  
..... CHAI *Xin-na*, LI *Ming*, JIN *Zhen-min*, *et al* (440)
- A Further Discussion on Formation Background and Tectonic Constraints of Igneous Rocks in Central Sub-Basin of  
the South China Sea ..... YANG *Shu-ying*, FANG *Nian-qiao*, YANG *Sheng-xiong*, *et al* (455)
- Petrogenesis of the Early Cretaceous Xi'anli Hornblende-Gabbros from the Southern Taihang Mountains: Evidence from  
Zircon U-Pb Geochronology, Hf Isotope and Whole-Rock Geochemistry  
..... WANG *Chun-guang*, XU *Wen-liang*, WANG *Feng*, *et al* (471)
- Crustal Growth of the Eastern North China Craton and Sulu Orogen as Revealed by U-Pb Dating and Hf Isotopes of  
Detrital Zircons from Modern Rivers ..... GENG *Xian-lei*, GAO *Shan*, CHEN *Chen* (483)
- New Research Progress on the Paleoflora in the Earliest Triassic of Western Guizhou and Eastern Yunnan, South China  
..... CHEN *Jian-hua*, YU *Jian-xin*, HUANG *Qi-sheng*, *et al* (500)
- Fluid-Ultramafic Rock Interaction and Formation of Jadeite Rocks  
..... QI *Min*, XIANG *Hua*, ZHONG *Zeng-qiu*, *et al* (511)
- Actual Hydrocarbon Migration Paths Based on Ridge-Like Structures Analysis and Geochemical Indicators Tracking:  
A Case Study of Puwei Area of Dongpu Depression ..... JIANG *You-lu*, LIU *Jing-dong*, LI *Xiao-yan*, *et al* (521)
- The Influence and Appraisalment of Source Rock Heterogeneity on Kinetic Parameters of Hydrocarbon Generation from  
Organic Matter ..... WANG *Min*, LU *Shuang-fang*, XUE *Hai-tao*, *et al* (530)
- Early-Middle Silurian Sedimentary Successions and Their Response to Tectonism and Eustatic Fluctuations: A Case  
Study from the Outcrops in Keping Area, Tarim Basin ..... XING *Feng-cun*, BAI *Zhen-rui*, LI *Zhen*, *et al* (541)
- Similarity and Difference of Hydrocarbon Accumulation History in Liaoxi Low Uplift and Liaozhong Sag  
..... JIANG *Xue*, XU *Chang-gui*, ZOU *Hua-yao*, *et al* (555)
- Thermal Evolution Modeling and Characteristic of Source Rock of Paleogene in Beitang Sag  
..... BAI *Yun-feng*, WANG *Hua*, WANG *Zhen-sheng*, *et al* (565)
- The Multifractal Quasicrystal Structural Model of Nano Particles: A New Type of Metal Nano Material  
..... CHEN *Ying*, GONG *Si-ning*, LONG *Guang-zhi*, *et al* (572)
- Visco-Elasto-Plastic Back Analysis on Yunling Tunnel in Weak Rock  
..... WANG *Xiao-rui*, NAN *Dong-mei*, ZHU *Xue-feng* (581)
- The Energy Dissipation Model of PHC Pile Group for Penetration Process in Saturated Soft Soil Foundation  
..... LIU *Zhen*, ZHOU *Cui-ying* (587)
- Reduction of Arsenic in Groundwater from Hetao Plain with the Involvement of Indigenous Microbes  
..... YANG *Hui*, WANG *Yan-xin*, XIE *Xian-jun*, *et al* (594)

---

Editor in Chief WANG Heng-jun

Executive Editors YAO Ge WANG Shu-hua XIE Xiao-hong