

# 地 质 论 评

## 2013 年 第 59 卷 第 5 期

### 目 次

#### 问 题 讨 论

- 最小二乘直线拟合方法及其在同位素地质年代学中的应用研究 ..... 范文博,王文龙,陈岳龙,李大鹏(801)  
蓟县中元古界下马岭组地层中菱铁矿的发现及其意义 ..... 朱祥坤,张衍,张飞飞,高兆富,董爱国,包创,郭跃玲,闫斌,刘辉(816)  
西南天山东德沟异剥钙榴岩化斜长角闪岩中假蓝宝石和富铝尖晶石特征及其地质意义 ..... 吴苏,李旭平,孔凡梅(823)  
胶东地区玲珑岩基隆升机制探讨 ..... 林少泽,朱光,严乐佳,姜芹芹,赵田(832)  
台湾峡谷中段沉积特征及流体机制探讨 ..... 徐尚,王英民,彭学超,杨彩虹,李华,曹健志,郑贵春,赵亚楠(845)  
湘东南新元古界大江边组和埃岐岭组的形成时代和物源——来自碎屑锆石 U-Pb 年代学的证据 ..... 伍皓,江新胜,王剑,汪正江,杜秋定,邓奇,崔晓庄,杨菲(853)  
扬子地块西北缘刘家坪地区大滩花岗岩体年代学、地球化学及其构造环境 ..... 李佐臣,裴先治,李瑞保,裴磊,刘成军,陈国超,陈有忻,徐通,杨杰,魏博(869)  
福建武平十二排钼矿床辉钼矿 Re-Os 同位素年龄及其地质意义 ..... 王少怀(885)  
论滇中砂岩铜矿浅、紫交互带赋矿及其金属硫化物分带之成因与成矿作用演化 ..... 胡煜昭,吴鹏,冉崇英(893)  
鄂尔多斯自流盆地地下水来源争议问题讨论 ..... 陈建生,王婷,陈茜茜,刘晓艳(900)  
植被生态对气候变化和人类活动的响应——以陕西省榆林能源化工基地为例 ..... 张茂省,卢娜(909)  
论不同构造煤类型煤层气开发 ..... 李辛子,王赛英,吴群(919)  
暴露时间对利用原地生字生核素估算至大侵蚀速率的影响 ..... 张志刚,王建,徐孝彬,赵志军,白世彪(924)

#### 科 技 述 评

- 德兴斑岩铜矿床研究新进展 ..... 周清,姜耀辉,廖世勇,靳国栋,赵鹏,刘铮,贾儒雅(933)  
洞穴石笋指标量化研究进展 ..... 刘殿兵(941)  
土壤溶解性有机碳(DOC)动态变化影响因素研究进展 ..... 吴健敏,郗敏,孔范龙,李悦,张清磊(953)

#### 研 究 进 展

- 纳米比亚欢乐谷地区白岗岩型铀矿矿物特征研究 ..... 陈金勇,范洪海,陈东欢,顾大钊,王生云(962)  
东淮噶尔北缘老山口矿区花岗质岩体地球化学特征 ..... 吕书君,杨富全,柴凤梅,耿新霞(971)  
河南省新县大银尖钼矿床同位素地球化学研究 ..... 徐兆文,刘苏明,陈伟,左昌虎,李红超,杨小男,王浩,杨青原(983)  
青海兴海赛什塘铜矿区条带状构造成因研究 ..... 张忠义,辛天贵,何鹏,祝新友(993)

#### 通 讯 资 料 · 消 息 报 道

- 西宁盆地科学钻探中黄土地层泥浆体系的初步研究与应用 ..... 张涛(852,908)  
征稿简则 ..... (952,961)  
《地质学报》(英文版)征集综述和古生物类论文 ..... (970)  
王德有“河南省几个中生代地层问题的讨论”一文的订正启示 ..... (982)

(本期执行总编辑 章雨旭、黄敏 图件修编、排版 王晓娟)

# GEOLOGICAL REVIEW

Vol. 59 No. 5 2013

## CONTENTS

### Discussion

Methods for Least Squares Fitting of a Straight Line and Their Application in Geochronology .....	FAN Wenbo, WANG Wenlong, CHEN Yuelong, LI Dapeng(815)
Discovery of Siderite Concretes in Mesoproterozoic Xiamaling Formation, Jixian Section .....	ZHU Xiangkun, ZHANG Kan, ZHANG Feifei, GAO Zhaofu, DONG Aiguo, BAO Chuang, GUO Yueling, YAN Bin, LIU Hui(822)
Sapphirine and Al-rich Spinel in Rodingitized Amphibolite and the Geological Implications in the Dongdegou, Zhaosu County, Southwestern Tianshan Mountains .....	WU Su, LI Xuping, KONG Fanmei(831)
Discussion on Uplifting Mechanism of the Linglong Batholith in Eastern Shandong .....	LIN Shaoze, ZHU Guang, Yan Lejia, JIANG Qinjin, ZHAO Tian(844)
Sedimentary Characteristics and Fluid Mechanism in the Middle Segment of the Taiwan Canyon .....	XU Shang, WANG Yingmin, PENG Xuechao, YANG Caihong, LI Hua, CAO Jianzhi, ZHENG Guichun, ZHAO Yanan(851)
Ages and Provenance of the Neoproterozoic Dajiangbian Formation and Aiqiling Formation in Southeast Hunan Province:	
U-Pb Geochronological Evidence of Detrital Zircons .....	
WU Hao, JIANG Xinsheng, WANG Jian, WANG Zhengjiang, DU Qiuding, DENG Qi, CUI Xiaozhuang, YANG Fei(868)	
Geochronological and Geochemical Study on Datan Granite in Liujiaping Area, Northwest Yangtze Block and Its Tectonic Setting .....	LI Zuochen, PEI Xianzhi, LI Ruibao, PEI Lei, LIU Chengjun, CHEN Guochao, CHEN Youxin, XU Tong, YANG Jie, WEI Bo(884)
Re-Os Isotopic Dating of Molybdenite from Shierpai Molybdenum Deposit in Wuping, Fujian, and Its Geological Significance .....	WANG Shaohuai(892)
A Discussion on the Genesis of Sandstone-hosted Copper Deposits Occurring in the Contact Zone between Purple and Gray Sandstone, Metallic Sulphide Zoning and the Evolution of Metallization in Central Yunnan .....	HU Yuzhao, WU Peng, RAN Chongyang(899)
Discussion on the Origin of Groundwater in the Orosi Basin .....	CHEN Jiansheng, WANG Ting, CHEN Xixi, LIU Xiaoyan(908)
Responses of Vegetation Ecology to the Climate Changes and Human Activities——A Case Study at Yulin Energy & Chemical Industry Base .....	ZHANG Maosheng, LU Na(918)
Scheme for Subdivision of Tectonic Coal Systematics: Implications for Coalbed Methane Development .....	LI Xinzi, WANG Saiying, WU Qun(923)
Effects of Exposure Time on Maximum Erosion Rate Estimated Using In-situ Cosmogenic Nuclides .....	ZHANG Zhigang, WANG Jian, XU Xiaobin, ZHAO Zhijun, BAI Shubiao(932)

### Scientific Comment

New Research Progress of the Dexing Porphyry Copper Deposit .....	ZHOU Qing, JIANG Yaohui, LIAO Shiyong, JIN Guodong, ZHAO Peng, LIU Zheng, JIA Ruya(940)
Quantitative Studies on the Multi-proxies from the Stalagmites .....	LIU Dianbing(951)
Review of Researches on the Factors Influencing the Dynamics of Dissolved Organic Carbon in Soils .....	WU Jianmin, XI Min, KONG Fanlong, LI Yue, ZHANG Qinglei(961)

### Research Progress

Research on the Characteristics of Uranium Minerals of Alaskite-type Uranium Deposit in the Gaudeamus Area, Namibia .....	CHEN Jinyong, FAN Honghai, CHEN Donghuan, GU Dazhao, WANG Shengyun(970)
Geochemical Features of Granitoids in Laoshankou Ore-district on Northern Margin of East Junggar, Xinjiang .....	LÜ Shujun, YANG Fuquan, CHAI Fengmei, GENG Xinxia(982)

---

An Isotopic Geochemical Study on the Dayinjian Molybdenum Deposit, Xinxiang County, Henan Province .....	XU Zhaowen, LIU Suming, CHEN Wei, ZUO Changhu , LI Hongchao, (992)
	YANG Xiaonan, WANG Hao, YANG Qingyuan
Genesis of Ribbon Structure in Saishitang Copper Oredistrict,Xinghai County , Qinghai Province .....	ZHANG Zhongyi, XIN Tiangui , HE Peng, ZHU Xinyou( 1000)

### **Correspondence · Reference · News Report**

Application of Slurry in the Loess Strata of the Xining Basin Scientific Drilling .....	ZHANG Tao(852,908)
Notes to Contributors .....	(952,961)
Review Papers or Palaeontological Papers Are Welcome for <i>ACTA GEOLOGICA SINICA</i> ( English Edition) .....	(970)
An Amendment for the WANG Deyou 's Paper “ <i>A Discussion on Some Mesozoic Stratigraphic Problems in Henan Province</i> ” ...	(982)

**(Executive editors of this issue: ZHANG Yuxu, HUANG Min; Figures editor: WANG Xiaojuan)**

# 《地质论评》编辑委员会 Editorial Committee of GEOLOGICAL REVIEW

主编 Editor in Chief: 任纪舜 REN Jishun

副主编 Deputy Editor in Chief: 周新民 ZHOU Xinmin 韩家懋 HAN Jiamao 顾家裕 GU Jiayu  
聂凤军 NIE Fengjun 史晓颖 SHI Xiaoying

## 委员(以姓氏拼音为序) Members of Editorial Committee

安芷生	AN Zhisheng	陈 骏	CHEN Jun	陈 旭	CHEN Xu	陈江峰	CHEN Jiangfeng
邓起东	DENG Qidong	董树文	DONG Shuwen	杜乐天	DU Letian	顾家裕	GU Jiayu
韩家懋	HAN Jiamao	侯增谦	HOU Zengqian	李干生	LI Gansheng	李廷栋	LI Tingdong
李献华	LI Xianhua	刘敦一	LIU Dunyi	骆华宝	LUO Huabao	马宗晋	MA Zongjin
聂凤军	NIE Fengjun	钱祥麟	QIAN Xianglin	乔秀夫	QIAO Xiufu	任纪舜	REN Jishun
史晓颖	SHI Xiaoying	舒德干	SHU Degan	涂光炽	TU Guangchi	汪品先	WANG Pinxian
王 驹	WANG Ju	王京彬	WANG Jingbin	王铁冠	WANG Tieguan	肖序常	XIAO Xuchang
张国伟	ZHANG Guowei	张宗祐	ZHANG Zonghu	赵 越	ZHAO Yue	赵鹏大	ZHAO Pengda
赵一鸣	ZHAO Yiming	郑绵平	ZHENG Mianping	周新民	ZHOU Xinmin		

# 《地质论评》编辑部 Editorial Department of GEOLOGICAL REVIEW

编辑部主任 Chief Editor of the Department 章雨旭 ZHANG Yuxu 郝梓国 HAO Ziguo

## 编辑部成员 Members of Editorial Department

郝梓国 HAO Ziguo 黄敏 HUANG Min 章雨旭 ZHANG Yuxu 周健 ZHOU Jian

# 地 质 论 评

## DIZHI LUPING

(双月刊, 1936 年创刊)

第 59 卷 第 5 期 2013 年 9 月 15 日出版

# GEOLOGICAL REVIEW

(Bimonthly, Started in 1936)

Vol. 59 No. 5

Published on September 15, 2013

主 管 中国科学技术协会  
主 办 中国地质学会  
编 辑 《地质论评》编辑委员会  
地 址: 北京阜成门外百万庄路 26 号  
邮 政 编 码: 100037; 电 话: 010 - 68999804  
电子信箱: georeview@cags.ac.cn  
网 址: www.geojournals.cn/georev

主 编 任 纪 舜  
出 版 科 学 出 版 社  
100717, 北京东黄城根北街 16 号

排 版 《地质论评》编辑部  
印 刷 装 订 北京奇良海德印刷有限公司  
总 发 行 处 北京报刊发行局  
订 购 处 全国各邮电局  
国 外 总 发 行 中国国际图书贸易总公司  
(中 国 国 际 书 店)  
北京 399 号信箱, 邮政编码 100044

Competent Authorities: China Association for Science and Technology  
Sponsored by Geological Society of China  
Edited by Editorial Committee of GEOLOGICAL REVIEW, 26, Baiwanzhuang Road, Beijing, 100037; Tel.: 010 - 68999804;  
Email: georeview@cags.ac.cn  
Website: www.geojournals.cn/georev  
Editor in chief REN Jishun  
Published by Science Press, 16, Donghuangchenggen North Street, Beijing, 100717, China  
Composed by Editorial Department of GEOLOGICAL REVIEW  
Printed by Beijing QL - Art Printing Co. Ltd.  
Distributed by Beijing Bureau for Distribution of Newspapers and Journals  
Subscription handled by Local Post Offices of China  
Distributed abroad by China International Book Trading Corporation (Guoji Shudian)  
P. O. Box 399, Beijing 100044, China  
International Periodical No.: BM337

