



ISSN 0371-5736



GEOLOGICAL REVIEW

第 61 卷 第 4 期

Vol.61 No.4

2015



中 国 地 质 学 会 主 办
《地质论评》编辑委员会 编 辑
科 学 出 版 社 出 版

地质论评

2015 年 第 61 卷 第 4 期

目次

科技述评

根据形成地质作用对中国大陆岩石圈作构造分区 杨文采, 于常青 (709)

关于火成岩常用图解的正确使用: 讨论与建议 ... 邓晋福, 刘翠, 冯艳芳, 肖庆辉, 狄永军, 苏尚国, 赵国春, 段培新, 戴蒙 (717)

学术讨论

华南上扬子区中奥陶世(达瑞威尔期)十字铺组与牯牛潭组的划分与时空分布 樊茹, 邓胜徽, 张学磊, 张师本, 卢远征, 李鑫 (735)

柴达木盆地北缘宗务隆构造带早古生代锆石 SHRIMP 年龄的测定及其地质意义 孙娇鹏, 陈世悦, 彭渊, 邵鹏程, 马帅, 刘金 (743)

庐山变质核杂岩的变质变形及构造意义 杨帆, 宋传中, 任升莲, 李加好, 刘欢, 黄鹏, 王微 (752)

苏北盆地金湖凹陷铜城断裂带的构造演化特征 马洪坤, 王新新, 商琳, 戴俊生, 陈世悦 (767)

内蒙古苏尼特左旗北部阿登锡勒大队一带早石炭世高分异 I 型花岗岩的发现及地质意义 肖中军, 王振强, 赵春勇, 吴煜 (777)

黑龙江多宝山-大新屯地区铜金多金属成矿作用及找矿方向 韩振哲, 刘娜, 公凡影, 李永胜, 李仰春, 姚磊 (787)

东准噶尔卡拉麦里地区金铜多金属成矿系统和地球动力学 张栋, 路彦明, 葛良胜, 王治华, 李波, 范俊杰, 张玉杰 (797)

桂北苗儿山地区高岭印支期花岗岩及石英脉型钨成矿作用 张迪, 张文兰, 王汝成, 储著银, 龚名文, 蒋桂新 (817)

深部矿井水煤共采水文地质数值分析 杨东东, 李文平, 李小琴, 乔伟, 林玉祥 (835)

济阳坳陷沾化凹陷陡坡带始新统沙三段扇三角洲储层成岩作用与有利储层成因 朱筱敏, 刘芬, 谈明轩, 韩雪芳, 张守鹏, 耿名扬, 李维, 董艳蕾 (843)

贵州织金荷花村拌煤粘土的氟化氢潜在释放 洪秀萍, 梁汉东, 吕帅, 王代懿, 张引 (852)

六盘山东西两侧红粘土沉积起源年代差异原因初探 李乐意, 常宏 (861)

内蒙古西部库布齐沙漠北缘沙漠化特征讨论 梁霞, 杨勇, 公王斌, 叶培盛 (873)

乌达煤田雾冰黎汞的初步调查 梁言慈, 郭晓花, 梁汉东, 朱书全 (883)

研究进展

广西大厂矿田长坡-铜坑锡多金属矿床锡石 LA-MC-ICP-MS U-Pb 年龄及其地质意义 王新宇, 黄宏伟, 陈能松, 黄锡强, 吴祥珂, 郝爽, 李惠民 (892)

豫西熊耳山蒿坪沟黑云母花岗斑岩的锆石 LA-ICP-MS U-Pb 年龄及其地质意义 梁涛, 卢仁, 罗照华, 白风军, 刘晓 (901)

闽西南上杭溪口复式岩基锆石 LA-ICP-MS 锆石 U-Pb 年龄及地质意义 沈莽庭, 周延, 张晓东, 武彬 (913)

鄂尔多斯盆地上三叠统延长组超低渗储层油气成藏启动压力研究 张潇文, 陈世加, 姚宜同, 路俊刚, 黄国霖, 王力 (925)

不同变形速率下前陆褶皱冲断带的发育特征——基于砂箱物理模拟实验研究 赵高平, 刘树根, 邓宾, 李智武, 王兴建, 万元博, 李金玺 (935)

青海冷湖北片麻状石英闪长岩的 MC-LA- ICP-MS 锆石 U-Pb 年龄、地球化学特征及地质意义 邱士东, 辜平阳, 庞新愉, 董增产, 查显峰, 查方勇, 陈锐明, 庄玉军 (948)

断裂对泥岩盖层破坏程度综合定量研究方法及其应用 侯隼鹏, 王伟锋, 焦健 (961)

通讯资料 · 新书介绍

《地质论评》、《地质学报》(中、英文版) 征稿简则 (967)

The Principles of Geotourism[《旅游地质学原理》(英文版)] 出版 (776)

(本期执行总编辑 章雨旭、黄敏、刘志强 图件修编、排版 黄曦惠)

GEOLOGICAL REVIEW

Vol. 61 No. 4 2015

CONTENTS

Scientific Review

Tectonic Divisions of the Chinese Continental Lithosphere Based on Forming Tectonic Processes	YANG Wencai, YU Changqing(716)
On the Correct Application in the Common Igneous Petrological Diagrams: Discussion and Suggestion	DENG Jinfu,LIU Cui,FENG Yanfang,XIAO Qinghui, DI Yongjun, (734)
	SU Shangguo, ZHAO Guochun, DUAN Peixin, DAI Meng

Scholarly Discussion

Middle Ordovician (Darriwilian) Shihtzupu and Guniutan Formations in the Upper Yangtze Region, South China	FAN Ru,DENG Shenghui,ZHANG Xuelei,ZHANG Shibei(742)
Determination of Early Cambrian zircon SHRIMP U-Pb Datings in Zongwulong Tectonic Belt,Northern Margin of Qaidam Basin, and Its Geological Significance	SUN Jiaopeng,CHEN Shiyue,PENG Yuan,SHAO Pengcheng,MA Shuai,LIU Jin(750)
Metamorphism and Deformation of the Lushan Metamorphic Core Complex and Their Tectonic Significance	YANG Fan, SONG Chuanzhong, REN Shenglian, LI Jiahao, LIU Huan, HUANG Peng, WANG Wei(766)
Structural Evolution of Tongcheng Fault Zone in Jinhu Sag, North Jiangsu Basin	MA Hongkun, WANG Xinxin, SHANG Lin, DAI Junsheng, CHEN Shiyue(776)
The Discovery of Monzogranite and Its Geologic Implication in Adenxile,Sonid Zuoqi, Innner Mongolia	XIAO Zhongjun,WANG Zhenqiang,ZHAO Chunyong,WU Yu(786)
Cu – Au Polymetallic Mineralization and Prospecting Direction in Duobaoshan – Daxintun Area, Heilongjiang	HAN Zhenzhe,LIU Na,GONG Fanying,LI Yongsheng,LI Yangchun,YAO Lei(796)
Metallogenic Systems of Polymetallic Gold and Copper Deposits and Related Metallogenic Geodynamic Model in Karamaili of Eastern Junggar, Xinjiang	ZHANG Dong,LIU Yanming,GE Liangsheng,WANG Zhihua,LI Bo,FAN Junjie,ZHANG Yujie(816)
Quartz-vein Type Tungsten Mineralization Associated with the Indosinian (Triassic) Gaoling Granite, Miaoershan Area, Northern Guangxi	ZHANG Di, ZHANG Wenlan, WANG Rucheng, CHU Zhuyin, GONG Mingwen, JIANG Guixin (834)
Hydrogeological Numerical Analysis of Water and Coal Co – Exploitation in Deep Mine	YANG Donglong, LI Wenping, LI Xiaoqin, QIAO Wei, LIN Yuxiang (842)
(843) Diagenesis and Genesis of Favorable Reservoir of Fan Delta in Eocene Shahejie Fm. , Zhanhua Sag Jiyang Depression, Bohai Bay Basin	ZHU Xiaomin,LIU Fen,TAN Mingxuan,HAN Xuefang,ZHANG Shoupeng(851)
Potential Release of Fluoride from Clay for Coal-Combustion in Hehua Village, Zhijin County, Guizhou Province	HONG Xiuping,LIANG Handong,LÜ Shuai, WANG Daiyi, ZHANG Yin (860)
Preliminary Interpretation to Diachroneity of the Red Clay in Two Flanks of the Liupan Mounain	LI Leyi,CHANG Hong(872)
Discussion of Desertification on Northern Margin of the Hobq Desert, Western Inner Mongolia	LIANG Xia, YANG Yong, GONG Wangbinin, YE Peisheng(882)
Mercury Contents of Bassia dasyphylla around Undergoing Coal Fire in Wuda Coal Field, Wuhai, Inner Mongolia	LIANG Yanci,GUO Xiaohua,LIANG Handong,ZHU Shuquan(891)

Research Progress

In-situ LA-MC-ICPMS U-Pb Geochronology of Cassiterite from Changpo – Tongkeng Tin – Polymetallic Deposits , Dachang Orefield, Guangxi	WANG Xinyu,HUANG Hongwei,CHEN Nengsong,HUANG Xiqiang, WU Xiangke,HAO Shuang,LI Huimin (900)
LA-ICP-MS U-Pb Age of Zircons from Haopinggou Biotite Granite Porphyry in Xiong'er Mountain, Western Henan Province,	

and Its Geologic Implications LIANG Tao,LU Ren,LUO ZhaoHua,BAI FengJun, LIU Xiao(912)

LA-ICP-MS U-Pb Dating of the Zircon from Xikou Composite Intrusives in Shanghang Area, Southwestern Fujian, and Its
Geological Significance SHENG Mangting , ZHOU Yan ,ZHANG Xiaodong,WU Bing(924)

Study on Start-Up Pressure of Charging for Super-Low Permeability Reservoir, Upper Triassic Yanchang Formation, Ordos Basin ...
..... ZHANG Xiaowen, CHEN Shijia, YAO Yitong, LU Jungang, HUANG Youlin, WANG Li(934)

Correlationship between Deformation and Various Shortening Velocities of Fold-and-Thrust Belt: Evidence from Sandbox
Modeling ZHAO Gaoping, LIU Shugen, DENG Bin, LI Zhiwu, WANG Xingjian, WAN Yuanbo, LI Jinxi(947)

Zircon MC-LA-ICP-MS U-Pb dating,Geochemistry and Geological Significance of Gneissic Quartz Diorite in Northern Lenghu,
Qinghai QIU Shidong, GU Pingyang, PANG Xinyu, DONG Zengchan, ZHA Xianfeng, (960)

ZHA Fangyong, CHEN Ruiming, Zhuang Yujun

A Comprehensive Quantitative Research Method of Destroy Degree of Faults to Mudstone Caprock and Its Application
..... HOU Jianpeng, WANG Weifeng, JIAO Jian(967)

Correspondence · Reference · Introduction of New Book

Notes to Contributors (967)

The Principles of Geotourism(English edition) Published (776)

(Excutive editors of this issue: ZHANG Yuxu ,HUANG Min, LIU Zhiqiang;
typesetting and figures editor: HUANG Xihui)

地 质 论 评		GEOLOGICAL REVIEW	
DIZHI LUNPING		(Bimonthly, Started in 1936)	
(双月刊, 1936 年创刊)		Vol. 61 No. 4	
第 61 卷 第 4 期 2015 年 7 月 15 日出版		Published on July 15, 2015	
主 管	中国科学技术协会	Competent Authorities; China Association for Science	
主 办	中国地质学会	and Technology	
编 辑	《地质论评》编辑委员会	Sponsored by	Geological Society of China
	地 址:北京阜成门外百万庄路 26 号	Edited by	Editorial Committee of GEOLOGICAL
	邮政编码:100037;电话: 010 - 68999804		REVIEW, 26, Baiwanzhuang Road,
	电子信箱: georeview@ cags. ac. cn		Beijing, 100037; Tel. : 010 - 68999804;
	网 址: www. geojournals. cn/georev		Email: georeview@ cags. ac. cn
主 编	杨 文 采	Editor in chief	YANG Wencai
出 版	地 质 学 出 版 社	Published by	Science Press, 16, Donghuangchenggen
	100717,北京东黄城根北街 16 号		North Street, Beijing, 100717, China
排 版	《地质论评》编辑部	Composed by	Editorial Department of
印刷装订	北京地大天成印务有限公司	Printed by	Beijing Dida-Tiancheng Printing Co. ,Ltd.
总发行处	北京报刊发行局	Distributed by	Beijing Bureau for Distribution of
订购处	全国各邮电局		Newspapers and Journals
国外总发行	中国国际图书贸易总公司	Subscription	
	(中国 国际 书店)	handled by	Local Post Offices of China
	北京 399 号信箱, 邮政编码 100044	Distributed	China International Book Trading
		abroad by	Corporation(Guoji Shudian)
			P. O. Box 399, Beijing 100044, China
			International Periodical No:BM337

刊号: ISSN 0371 - 5736 国内邮发代号:2 - 382 国外发行代号:BM337 定价:50.00 元
CN 11 - 1952/P 国内外公开发行



and Its Geologic Implications LIANG Tao,LU Ren,LUO ZhaoHua,BAI FengJun, LIU Xiao(912)

LA-ICP-MS U-Pb Dating of the Zircon from Xikou Composite Intrusives in Shanghang Area, Southwestern Fujian, and Its
Geological Significance SHENG Mangting , ZHOU Yan ,ZHANG Xiaodong,WU Bing(924)

Study on Start-Up Pressure of Charging for Super-Low Permeability Reservoir, Upper Triassic Yanchang Formation, Ordos Basin ...
..... ZHANG Xiaowen, CHEN Shijia, YAO Yitong, LU Jungang, HUANG Youlin, WANG Li(934)

Correlationship between Deformation and Various Shortening Velocities of Fold-and-Thrust Belt: Evidence from Sandbox
Modeling ZHAO Gaoping, LIU Shugen, DENG Bin, LI Zhiwu, WANG Xingjian, WAN Yuanbo, LI Jinxi(947)

Zircon MC-LA-ICP-MS U-Pb dating,Geochemistry and Geological Significance of Gneissic Quartz Diorite in Northern Lenghu,
Qinghai QIU Shidong, GU Pingyang, PANG Xinyu, DONG Zengchan, ZHA Xianfeng, (960)

..... ZHA Fangyong, CHEN Ruiming, Zhuang Yujun

A Comprehensive Quantitative Research Method of Destroy Degree of Faults to Mudstone Caprock and Its Application
..... HOU Jianpeng, WANG Weifeng, JIAO Jian(967)

Correspondence · Reference · Introduction of New Book

Notes to Contributors (967)

The Principles of Geotourism (English edition) Published (776)

(Excutive editors of this issue: ZHANG Yuxu, HUANG Min, LIU Zhiqiang;
typesetting and figures editor: HUANG Xihui)

地 质 论 评		GEOLOGICAL REVIEW	
DIZHI LUNPING		(Bimonthly, Started in 1936)	
(双月刊, 1936 年创刊)		Vol. 61 No. 4	
第 61 卷 第 4 期 2015 年 7 月 15 日出版		Published on July 15, 2015	
主 管	中国科学技术协会	Competent Authorities; China Association for Science	
主 办	中国地质学会	and Technology	
编 辑	《地质论评》编辑委员会	Sponsored by	Geological Society of China
	地 址:北京阜成门外百万庄路 26 号	Edited by	Editorial Committee of GEOLOGICAL
	邮政编码:100037;电话: 010 - 68999804		REVIEW, 26, Baiwanzhuang Road,
	电子信箱: georeview@ cags. ac. cn		Beijing, 100037; Tel. : 010 - 68999804;
	网 址: www. geojournals. cn/georev		Email: georeview@ cags. ac. cn
主 编	杨 文 采	Editor in chief	YANG Wencai
出 版	地 质 学 出 版 社	Published by	Science Press, 16, Donghuangchenggen
	100717,北京东黄城根北街 16 号		North Street, Beijing, 100717, China
排 版	《地质论评》编辑部	Composed by	Editorial Department of
印刷装订	北京地大天成印务有限公司	Printed by	Beijing Dida-Tiancheng Printing Co., Ltd.
总发行处	北京报刊发行局	Distributed by	Beijing Bureau for Distribution of
订购处	全国各邮电局		Newspapers and Journals
国外总发行	中国国际图书贸易总公司	Subscription	
	(中国 国际书店)	handled by	Local Post Offices of China
	北京 399 号信箱, 邮政编码 100044	Distributed	China International Book Trading
		abroad by	Corporation (Guoji Shudian)
			P. O. Box 399, Beijing 100044, China
			International Periodical No: BM337

刊号: ISSN 0371 - 5736 国内邮发代号: 2 - 382 国外发行代号: BM337 定价: 50.00 元
CN 11 - 1952/P 国内外公开发行

