

## 《地质论评》2011年第57卷总目次

## 第1期

- 黔南晚石炭世生物礁群落中的生态关系研究 ..... 常洪伦, 巩恩普, 陈晓红, 杨大勇, 关长庆, 张永利, 韩炜忠 (1)
- 麻黄属的起源时间讨论 ..... 杨永 (9)
- 塔里木盆地蓬莱坝剖面寒武系第二统一第三统界线处碳同位素负异常及其地质意义 ..... 王小林, 胡文瑄, 李庆, 朱井泉 (16)
- 贵州石炭系“清镇式”铁矿沉积地球化学特征 ..... 杨瑞东, 袁世婷, 魏怀瑞, 陈吉艳, 程玛莉 (24)
- 西准噶尔达尔布特 SSZ 型蛇绿杂岩的地球化学证据及构造意义 ..... 辜平阳, 李永军, 王晓刚, 张洪伟, 王军年 (36)
- 安徽铜陵凤凰山铜矿床成矿流体特征研究 ..... 瞿泓滢, 裴荣富, 王浩琳, 李进文, 王永磊, 梅燕雄 (50)
- 藏西南札达白垩纪 Albian 期海绿石的矿物学特征及地质意义 ..... 李响, 蔡元峰, 胡修棉, 黄志诚, 王建刚, 耿建华 (63)
- 吐哈盆地十红滩铀矿床稀土元素地球化学特征浅析 ..... 乔海明, 闫周让, 章金彪, 宋哲 (73)
- 舟山北部海域海底淡水资源研究 ..... 张志忠, 邹亮, 韩月 (81)
- 海拉尔盆地贝尔凹陷断裂系统及其对油气运聚的控制作用 ..... 孙永河, 韩钰萍, 冯志鹏, 付晓飞, 刘哲 (89)
- 源外斜坡区断裂对油气聚集与分布的控制作用研究——以松辽盆地尚家油田扶余、杨大城子油层为例 ..... 王有功, 付广, 刘阿男, 申家年, 庚琪 (101)
- 黔中白云岩风化剖面的铅同位素组成及物源的指示 ..... 季宏兵, 王世杰 (109)
- 张家界砂岩地貌形成时代: 来自阶地与溶洞对比的证据 ..... 平亚敏, 杨桂芳, 张绪教, 田明中, 陈安泽, 葛之亮, 倪志云, 杨振 (118)
- 峡江—广丰和三南—寻乌火山岩带晚中生代粗面岩 SHRIMP 锆石 U-Pb 年龄 ..... 巫建华, 刘飞宇, 刘帅 (125)
- 高植被覆盖区遥感找锰矿实验研究——以桂西—滇东南的下雷—大新地区为例 ..... 徐丽华, 朱恺军, 陈鹏, 张强 (133)
- 油气微生物勘探技术在大庆升平油田的应用 ..... 袁志华, 孙宏亮, 张玉清 (141)
- 一种获取流体包裹体气液比的便捷方法 ..... 周振柱, 周瑶琪, 陈勇, 白振华, 毛鑫 (147)
- 中国东部中低山地有无发育第四纪冰川的可能性? ..... 施雅风 (44)
- 新疆塔县盆地地热显示与热储温度预测 ..... 庞忠和, 杨峰田, 袁利娟, 李义曼 (86)
- 中国科协“十佳全国优秀科技工作者”等颁奖 ..... (35)
- 中国与地质学有关主要科技期刊 2009 年度影响因子和总被引频次 ..... (80)
- “张家界地貌国际学术研讨会”在张家界世界地质公园召开 ..... (100)

## 第2期

- 合肥盆地伸展方向的演变及其动力学机制 ..... 朱光, 朴学峰, 张力, 张必龙, 陈印, 胡召齐 (153)
- 柴达木盆地构造体系特征及其成盆动力学意义 ..... 吕宝凤, 张越青, 杨书逸 (167)
- 贵州瓮安陡山沱组球状化石元素地球化学浅析 ..... 唐烽, 高林志, 尹崇玉, 王约 (175)
- 塔里木盆地上奥陶统桑塔木组混合沉积特征及控制因素 ..... 杨永剑, 刘家铎, 田景春, 孟万斌, 张翔, 祝贺 (185)
- 论花岗岩型铀矿床热源来源——来自氧逸度条件的制约 ..... 凌洪飞 (193)
- 阿尔金南缘构造混杂岩带中角闪辉长岩地球化学特征及同位素测年 ..... 董增产, 校培喜, 奚仁刚, 过磊, 高晓峰 (207)
- 铜陵市大气降尘中 Cd 元素污染特征及其对土壤的影响 ..... 殷汉琴, 周涛发, 陈永宁, 陈富荣, 袁峰, 李湘凌 (218)
- 济阳拗陷孤岛油田西南缘油气运聚方向研究 ..... 渠芳, 连承波, 陈清华, 渠冬芳 (223)
- 大气环境变化的泥炭地质档案 ..... 鲍崑山, 赵红梅, 于晓菲, 吕宪国, 王国平 (234)
- 内蒙古大青山北麓蓝晶石榴长英质片麻岩的发现: 岩相学、地球化学和锆石 SHRIMP 定年 ..... 徐仲元, 刘正宏, 董晓杰, 董春艳, 万渝生 (243)
- 内蒙古海拉尔盆地东珙铅锌银矿床地球化学特征 ..... 张斌, 李进文, 张德全, 朱广仁, 余宏全, 董英君, 谭刚 (253)
- 洞庭盆地第四纪构造演化特征 ..... 柏道远, 王先辉, 李长安, 马铁球, 陈渡平, 周柯军, 彭云益, 李纲 (261)
- 基于 INPGA 的地下水污染治理多目标优化管理模型: I ——理论方法与算例验证 ..... 吴剑锋, 彭伟, 钱家忠, 吴吉春 (277)
- 四川盆地东南缘震旦系—古生界古油藏特征 ..... 黄文明, 刘树根, 徐国盛, 王国芝, 马文辛, 张长俊, 宋光永 (285)
- $^4\text{He}$  同位素含量测试技术研究 ..... 张彦, 陈文 (300)
- 关于 Shoshonite 中译名的商榷和建议 ..... 章邦桐, 吴俊奇, 凌洪飞, 陈培荣 (216)
- 中国地质学会组织召开第十二届青年地质科技奖获奖代表座谈会 ..... (252)

## 第 3 期

- 贵州新民二叠系—三叠系界线剖面有机碳同位素变化特征及生物地球化学意义 ..... 胡庆, 曹珺, 黄俊华, 喻建新, 张宁, 冯庆来 (305)
- 滇东南“新寨岩组”与变质花岗质岩的接触关系及其地质意义 ..... 张斌辉, 丁俊, 张林奎, 陈敏华, 王鹏, 戴婕 (316)
- 浙江沐尘石英二长岩及其镁铁质包体的锆石 U-Pb 年龄和 Hf 同位素组成——对岩浆混合作用的示踪 ..... 刘亮, 邱检生, 李真 (327)
- 滇西羊拉矿区层状铜矿床复合成因的地质地球化学证据 ..... 朱俊, 李文昌, 曾普胜, 尹光候, 王彦斌, 王勇, 余海军, 董涛, 胡永斌 (337)
- 阿尔泰南缘乌吐布拉克铁矿区花岗质岩石年代学及成因 ..... 张志欣, 杨富全, 柴凤梅, 刘锋, 耿新霞, 吕书君, 姜丽萍, 钟天智 (350)
- 安徽贵池铜山岩体 SHRIMP 锆石 U-Pb 年代学与岩石地球化学特征研究 ..... 张智宇, 杜杨松, 张静, 庞振山 (366)
- 松辽盆地北部长春岭背斜带油气成藏探讨 ..... 陈方文, 卢双舫, 刘海英, 黄文彪, 徐运亭, 郭在宇 (379)
- 断层侧向封闭性及对断圈油水关系的控制 ..... 付晓飞, 李文龙, 吕延防, 贺向阳, 刘哲 (387)
- 玄武质火山机构火山岩的储集性能分析——来自福建漳州牛头山古火山机构的类比研究 ..... 马野牧, 陆现彩, 张雪芬, 汪恺, 胡文璋 (398)
- 全球大气降水中年平均氡浓度的恢复模型 ..... 章艳红, 叶淑君, 吴吉春 (409)
- 陆源碎屑岩中微生物诱发的沉积构造的成因类型及其分类体系 ..... 梅冥相 (419)
- 基于 INPGA 的地下水污染治理多目标优化管理模型: II. 实例应用 ..... 吴剑锋, 彭伟, 钱家忠, 吴吉春, 郑春苗 (437)
- 鄂尔多斯盆地奥陶系孔洞充填特征分析 ..... 李振宏, 胡健民 (444)
- 中国地质学会举办第 42 个“世界地球日”主题宣传活动 ..... (397)
- “长江中下游金属成矿带”研究在国外出版专刊 ..... (443)

## 第 4 期

- 远离平衡相边界的柯石英形成机制及板块折返假说的物理基础 ..... 苏文辉 (457)
- 从柯石英和“大陆深俯冲”到全球构造运动原动力的思考 ..... 池顺良 (473)
- 论大别山南缘襄樊—广济断裂的两次向南逆冲推覆 ..... 杨坤光, 程万强, 朱清波, 李学刚 (480)
- 伊犁地区果子沟南华系塔里萨依组冰碛岩顶部花岗斑岩年龄及其意义 ..... 高维, 张传恒, 李永安 (495)
- 滇东南弗拉斯期放射虫硅质岩地球化学特征及沉积环境探讨 ..... 任光明, 王鹏, 张林奎, 张斌辉, 戴婕 (505)
- 海南岛中三叠世正长岩—花岗岩套的地质地球化学特征与构造意义 ..... 周佐民, 谢才富, 徐倩, 高大飞 (515)
- 中国东部中—新生代基性岩的同位素特征: 源区性质及深部过程 ..... 闫峻, 安亚军, 陈江峰 (532)
- 辽河断陷沉积岩之下 0~1600 m 变质岩中大油气田的发现及其意义 ..... 庞雄奇, 谢文彦, 孟卫工, 高先志, 李晓光, 冷济高, 李建华 (541)
- 锡石 U-Pb 同位素体系的封闭性及其测年的可靠性分析 ..... 张东亮, 彭建堂, 胡瑞忠, 袁顺达, 郑德顺 (549)
- 高压—超高压变质岩的成岩深度: 争论及评述 ..... 武红岭 (555)
- 临汾断陷盆地孤峰山花岗闪长岩的地球化学和年代学及其地质意义 ..... 齐玥, 徐鸿博, 张竞雄, 罗金海 (565)
- 贵州台江革—黔东统榔榔组沉积环境初探 ..... 达扬, 彭进, 赵元龙, 马海涛, 谷雨 (574)
- 内蒙古包头哈达门沟地区泥盆纪金(钼)矿化事件厘定的同位素证据 ..... 侯万荣, 聂凤军, 杜安道, 刘翼飞, 云飞, 张可, 刘勇, 边红业, 刘洪利 (583)
- 侧限压缩下砂土的细观力学特性及其形态分析 ..... 曹亮, 刘文白, 李晓昭, 赵晓豹, 张辉 (591)
- 南京河西地区软土地层特征及工程特性研究 ..... 侯晓亮, 赵晓豹, 李晓昭, 李家奇 (600)
- “十一五”地质科技与找矿成果暨“十二五”规划学术交流会在北京召开 ..... (548)

## 第 5 期

- 青海南部二叠纪大地构造背景及其构造演化研究 ..... 牛志军, 吴俊, 段其发, 白云山, 马丽艳, 赵小明, 何龙清 (609)
- 黑龙江杂岩带的形成演化及地质意义 ..... 孔凡梅, 李旭平, 李守军, 金爱文 (623)
- 南盘江盆地中三叠统复理石韵律的马尔科夫链特征及其地质意义 ..... 张成凤, 吕洪波, 夏邦栋, 方中 (632)
- 秦岭商丹构造带商南段岩石变形与变质条件探讨 ..... 李加好, 宋传中, 任升莲, 王中, 涂文传, 张欢, 张浩然 (641)
- 五大连池老黑山、火烧山火山岩屑崩落堆积的发现及其喷发历史和模式的重塑 ..... 刘祥, 郎建军 (650)
- 滇西马厂箐斑岩型铜—钼—金矿集区成岩成矿时代探讨 ..... 郭晓东, 王治华, 王梁, 阎家盼, 杨玉霞, 陈晓吾 (659)
- 福建云霄晶洞花岗岩及含石榴子石伟晶岩的硅氧同位素研究 ..... 高建飞, 丁悌平 (670)

金沙江寨子村滑坡坝堰塞湖沉积及其对昔格达组地层成因的启示 ..... 徐则民(675)

反思舟曲灾难事件:如何最大限度减少人员伤亡? ..... 李长江,麻士华(687)

CO<sub>2</sub>地质封存工程的潜在地质环境灾害风险及防范措施 ..... 崔振东,刘大安,曾荣树,牛晶蕊(700)

热液石英中微量元素特征及应用:认识与进展 ..... 陈小丹,陈振宇,程彦博,叶会寿,汪欢(707)

华南早寒武世黑色岩系 Ni—Mo 多金属矿床成因研究进展 ..... 施春华,曹剑,胡凯,韩善楚,边立曾,姚素平(718)

扬子陆块震旦纪—寒武纪之交的地壳伸展作用:来自沉积序列与沉积地球化学证据 ..... 汪正江,王剑,卓皆文,杨平,刘家洪,谢尚克(731)

贵州岑巩羊桥罗家塘杷榔动物群的发现及其后生动物早期演化的意义 ..... 马海涛,彭进,赵元龙,达扬,孙海静(743)

新疆吐哈盆地轴成矿远景区构造式样与轴成矿潜力评价 ..... 权志高,张甲民,傅成铭,姬海军,张发(749)

MIS8—MIS9 阶段亚洲季风的轨道尺度气候变率:柴川老母洞石笋记录 ..... 李珊英,杨琰,李廷勇,马睿,郭延伟(755)

我刊编辑等与白云鄂博矿山科技人员合作研究成果获内蒙古自治区科技进步二等奖 ..... (760)

《地质论评》、《地质学报》(中、英文版)征稿简则 ..... (699,717)

第6期

新疆西南天山下侏罗统软沉积物变形研究 ..... 乔秀夫,郭宪璞(761)

会理—东川地区中元古代地层—构造格架 ..... 尹福光,孙志明,张璋(770)

辽西医巫闾山变质核杂岩的形成过程与晚侏罗世伸展事件 ..... 张必龙,朱光,姜大志,陈印,胡召齐(779)

桐柏山商丹断裂带东延段石榴云母片岩中石榴子石显微构造特征及变质—变形环境分析 ..... 任升莲,宋传中,林寿发,张浩然,李加好,涂文传,张欢,章俊杰(799)

华南埃迪卡拉纪硫化海洋环境演变——来自深水相区的黄铁矿证据 ..... 王林,史晓颖,蒋干清(810)

浙江西部建德群锆石 LA-ICP-MS 之 U-Pb 同位素年龄及其地层学意义 ..... 李祥辉,陈斯盾,王尹,曹珂,刘玲(825)

云南个旧白沙冲和北炮台花岗岩岩石学、地球化学研究及成因探讨 ..... 李肖龙,毛景文,程彦博(837)

部分熔融岩石流变学 ..... 邵同宾,嵇少丞,王茜(851)

塔里木盆地北部早—中白垩世孢粉时代和生物地理区系研究新进展 ..... 郭宪璞,王大宁,丁孝忠,宗文明,周玮(870)

诸广山南体燕山期花岗岩的锆石 SHRIMP U-Pb 年龄及其构造意义 ..... 邓平,任纪舜,凌洪飞,沈渭洲,孙立强,朱捌,谭正中(881)

南秦岭新院岩体及其包体的锆石 SHRIMP U-Pb 定年和意义 ..... 雷敏,吴才来,武秀萍,郜源红,吴锁平,陈其龙,秦海鹏(889)

广西田东布兵石炭纪水下沉积灰岩脉及其地质意义 ..... 周开华,陈春芳,陆刚,田青,李新华,汤新田(900)

地质论评 2011 年第 57 卷总目次 ..... (906)

《地质论评》2011 年第 57 卷第一作者索引 ..... (封底)

Contents of Geological Review, 2011, Vol. 57

No. 1

Ecological Interactions among the Late Carboniferous Reef Communities in Southern Guizhou Province, China ..... CHANG Honglun, GONG Enpu, CHEN Xiaohong, YANG Dayong, GUAN Changqing, ZHANG Yongli, HAN Weizhong(8)

The Minimum Age of *Ephedra* L. (Ephedraceae): Conflicting Results between Molecular Clock and Megafossils ..... YANG Yong(15)

Negative Carbon Isotope Excursion on the Cambrian Series 2—Series 3 Boundary for Penglaiba Section in Tarim Basin and Its Significances ..... WANG Xiaolin, HU Wenxuan, LI Qing, ZHU Jingquan(23)

Sediment Geochemical Character of Carboniferous “Qingzhen-type Fe Deposit” in Central Guizhou Area ..... YANG Ruidong, YUAN Shiting, WEI Huairui, CHEN Jiyan, CHENG Mali(35)

Geochemical Evidences and Tectonic Significances of Dalabute SSZ-type Ophiolitic Mélange, Western Junggar Basin ..... GU Pingyang, LI Yongjun, WANG Xiaogang, ZHANG Hongwei, WANG Junnian(43)

Mantle-derived ore-forming fluids of the Fenghuangshan Cu deposit, evidences form microthermometric and isotopic studies ..... QU Hongying, PEI Rongfu, WANG Yonglei, LI Jinwen(62)

The Mineralogical Characteristics of Cretaceous Albian Glauconite in Zanda, Southwestern Xizang(Tibet) of China and Its Geological Implications ..... LI Xiang, CAI Yuanfeng, HU Xiumian, HUANG Zhicheng, WANG Jiangang, GENG Jianhua(72)

Preliminary Analysis on REE Geochemical Characteristic of the Shihongtan Uranium Deposit, in Turpan—Hami Basin .....	QIAO Haiming, YAN Zhouang, ZHANG Jinbiao, SONG Zhe(79)
Primary Study on Submarine Freshwater Resources in North Zhoushan Sea Area .....	ZHANG Zhizhong, ZOU Liang, HAN Yue(86)
Fault Systems and Its Control on Hydrocarbon Migration and Accumulation in Beier Sag, Hailar Basin .....	SUN Yonghe, HAN Yuping, FENG Zhipeng, FU Xiaofei, LIU Zhe(99)
Control Effect of Faults in Hydrocarbon Accumulation and Distribution in Slope Area outside of Source Area——Take Fuyu and Yangdachengzi Oil Layers in Shangjia Oil Field, Songliao Basin as an Example .....	WANG Yougong, FU Guang, LIU Anan, SHEN Jianian, GENG Qi(108)
Pb Isotopic Compositions and Material Sources for Dolomite Weathering Profile in Central Guizhou and Indication .....	JI Hongbing, WANG Shijie(117)
Timing of Zhangjiajie Sandstone Landforms; Evidence from Fluvial Terraces and Karst Caves .....	PING Yamin, YANG Guifang, ZHANG Xujiao, TIAN Mingzhong, CHEN Anze, GE Zhiliang, NI Zhiyun, YANG Zhen(124)
SHRIMP U-Pb Zircon Age of Late Mesozoic Trachyte in Xiajiang—Guangfeng and Sannan(Quannan, Dingnan and Longnan)—Xunwu Volcanic Belts .....	WU Jianhua, LIU Feiyu, LIU Shuai(132)
An Experimental Study on Prospecting for Manganese Mineralization by Remote Sensing in the Area Covered with Dense Vegetation ——a Case Study in the Daxin—Xialei Area, Western Guangxi—southeastern Yunnan .....	XU Lihua, ZHU Kaijun, CHEN Peng, ZHANG Qiang(140)
Application of Microbial Prospecting Technology for Oil and Gas in Shengping Oilfield of Daqing Area .....	YUAN Zhihua, SUN Hongliang, ZHANG Yuqing(146)
A Convenient Method for Obtaining Vapour/Liquid Ratios of Fluid Inclusions .....	ZHOU Zhenzhu, ZHOU Yaoqi, CHEN Yong, BAI Zhenhua, MAO Cui(152)
Is It Really Possible for Glacier to Develop on the Mountains which below 2500m asl in the Eastern China? .....	SHI Yafeng(44)
Geothermal Manifestation and Reservoir Temperature Estimation of the Geothermal System in Tashkurgan Basin, Xinjiang .....	PANG Zhonghe, YANG Fengtian, YUAN Lijuan, LI Yiman(86)
“Top Ten National Excellent Scientific and Technical Workers” of <i>China Association for Science and Technology</i> awarded .....	(35)
The Impact Factor, Total Cited-time in the Year 2009 of the Main Academic Journals Related to Geology .....	(80)
“International Workshop on Sandstone Landforms” Held in Zhangjiajie Global Geopark .....	(100)

## No. 2

Evolution of Extensional Direction in the Hefei Basin and Its Dynamic Mechanism .....	ZHU Guang, PIAO Xuefeng, ZHANG Li, ZHANG Bilong, CHEN Yin, HU Shaoqi(166)
Characteristics of Structural System and Its Implication for Formation Dynamics in Qaidam Basin .....	LÜ Baofeng, ZHANG Yueqing, YANG Shuyi(174)
Preliminary Analysis on the Elemental Geochemistry of Doushantuo Spherical Microfossils from the Weng'an Biota in South China .....	TANG Feng, GAO Linzhi, YIN Chongyu, WANG Yue(183)
Mixed Sedimentary Characteristics and Controlling Factors of Upper Ordovician Sangtamu Formation in Tarim Basin .....	YANG Yongjian, LIU Jiaduo, TIAN Jingchun, MENG Wanbin, ZHANG Xiang, ZHU He(192)
Origin of Hydrothermal Fluids of Granite-type Uranium Deposits: Constraints from Redox Conditions .....	LING Hongfei(206)
Geochemical Characteristics and Isotopic Dating of Bojites in the Tectonic Melange Belt on South Margin of Altun .....	DONG Zengchan, XIAO Peixi, XI Rengang, GUO Lei, GAO Xiaofeng(215)
Pollution Character of Cd in Dust Fall of Tongling City and Its Effect on Soil .....	YIN Hanqin, ZHOU Taofa, CHEN Yongning, CHEN Furong, YUAN Feng, LI Xiangling(222)
Research on the Direction of Hydrocarbon Migration and Accumulation in the Southwest Part of Gudao Oilfield, Jiyang Depression .....	QU Fang, LIAN Chengbo, CHEN Qinghua, QU Dongfang(233)
Atmospheric Environmental Changes Records from Peat Bogs: a Review .....	BAO Kunshan, ZHAO Hongmei, YU Xiaofei, LÜ Xianguo, WANG Guoping(242)
Discovery of Kyanite Garnet Quartz feldspathic Gneiss in the North Side of Daqing Mts., Inner Mongolia, and Its Petrography, Geochemistry and Zircon SHRIMP Dating .....	XU Zhongyuan, LIU Zhenghong, DONG Xiaojie, DONG Chunyan, WAN Yusheng(251)
Geochemic Features of Dongjun Lead—Zinc—Silver Deposit, Hailar Basin, Inner Mongolia .....	ZHANG Bin, LI Jinwen, ZHANG Dequan, ZHU Guangren, SHE Hongquan, DONG Yingjun, TAN Gang(260)

- Characteristics of Quaternary Tectonic Evolution in Dongting Basin .....  
 ..... BAI Daoyuan, WANG Xianhui, LI Chang'an, MA Tiejie, CHEN Duping, ZHOU Kejun, PENG Yunyi, LI Gang (276)
- INPGA-based Multiobjective Management Model for Optimal Design of Groundwater Remediation System; I. Methodology  
 and Its Experimental Validation ..... WU Jianfeng, PENG Wei, QIAN Jiazhong, WU Jichun (284)
- Characteristics of Paleo Oil Pools from Sinian to Lower Paleozoic in Southeastern Margin of Sichuan Basin .....  
 ..... HUANG Wenming, LIU Shugen, XU Guosheng, WANG Guozhi, (299)  
 ..... MA Wenxin, ZHANG Changjun, SONG Guangyong
- Study on the  $^4\text{He}$  Content Measurement ..... ZHANG Yan, CHEN Wen (304)
- An Argument and a Suggestion on the Chinese Name for Shoshonite .....  
 ..... ZHANG Bangtong, WU Junqi, LING Hongfei, CHEN Peirong (216)
- A Forum of Some Young Geologists Having Won the 12th "Science and Technology Prize to Young Geological Workers  
 of Geological Society of China" Held ..... (252)

### No. 3

- Variation of Organic Carbon Isotope and Bio-geochemical Significances across the Permian—Triassic Boundary at  
 Xinmin Section, Guizhou, South China .....  
 ..... HU Qing, CAO Jun, HUANG Junhua, YU Jianxin, ZHANG Ning, FENG Qinglai (315)
- Contact Relationships between "Xinzhai Formation-complex" and Metamorphic Granitic Rocks in Southeastern Yunnan  
 and Their Geological Significances .....  
 ..... ZHANG Binhui, DING Jun, ZHANG Linkui, CHEN Minhua, WANG Peng, DAI Jie (325)
- Zircon U-Pb Age and Hf Isotopic Compositions of Quartz Monzonite and Enclosed Mafic Enclaves in Muchen Pluton,  
 Zhejiang Province; Tracing Magma Mixing in Their Petrogenesis ..... LIU Liang, QIU Jiansheng, LI Zhen (336)
- Geological and Geochemical Evidences of Compound Genesis of Yangla Bedded Copper Deposit, Northwestern Yunnan .....  
 ..... ZHU Jun, LI Wenchang, ZENG Pusheng, YIN Guanghou, WANG Yanbin, (349)  
 ..... WANG Yong, YU Haijun, DONG Tao, HU Yongbin
- Study on Chronology and Genesis of Granite in the Wutubulake Iron Deposit District, Southern Margin of Altay .....  
 ..... ZHANG Zhixin, YANG Fuquan, CHAI Fengmei, LIU Feng, GENG Xinxia, (365)  
 ..... LU Shujun, JIANG Liping, ZHONG Tianzhi
- SHRIMP Zircon U-Pb Geochronology, Petrochemical and Geochemical Characteristics of Tongshan Intrusion in Guichi,  
 Anhui Province ..... ZHANG Zhiyu, DU Yangsong, ZHANG Jing, PANG Zhenshan (378)
- A Discuss on Hydrocarbon Accumulation in Changchunling Anticline Belt, Northern Songliao Basin .....  
 ..... CHEN Fangwen, LU Shuangfang, LIU Haiying, HUANG Wenbiao, XU Yunting, WU Zaiyu (386)
- Quantitative Estimation of Lateral Fault Seal and Application in Hydrocarbon Exploration .....  
 ..... FU Xiaofei, LI Wenlong, LU Yanfang, HE Xiangyang, LIU Zhe (396)
- Physical Properties of Basalt Reservoir of Paleovolcanic Edifices An Analogous Study on Niutoushan Volcanic Edifice,  
 Fujian Province, Eastern China ..... MA Yemu, LU Xiancai, ZHANG Xuefen, WANG Kai, HU Wenxuan (406)
- A Global Model of Recovering the Annual Mean Tritium Concentration in Atmospheric Precipitation .....  
 ..... ZHANG Yanhong, YE Shujun, WU Jichun (418)
- Genetic Types and Their Classification for the Microbial Induced Sedimentary Structure within Terrigenous Clastic rocks .....  
 ..... MEI Mingxiang (435)
- INPGA-based Multiobjective Management Model for Optimal Design of  
 Groundwater Remediation System; II. Application to the MMR Site .....  
 ..... WU Jianfeng, PENG Wei, QIAN Jianzhong, WU Jichun, ZHENG Chunmiao (442)
- Characteristics of Holes Filling in Ordovician of Ordos Basin ..... LI Zhenhong, HU Jianmin (456)
- The 42nd "World Earth Day" Theme Propaganda Held by Geological Society of China ..... (397)
- A Special Issue on Study of "Middle—Lower Yangtze Metallogenic Belt" Published abroad ..... (443)

### No. 4

- The Formation Mechanism of Coesite Far from Equilibrium Phase-Boundary and the Physical Foundation of Hypothesis of  
 Plate Subduction—Exhumation in the Earth ..... SU Wenhui (471)

From Coesite, Continental Deep Subduction to the Driving Force of Global Tectonic Movement .....	CHI Shunliang(479)
A Discussion on Two Times Southward Thrusting of Xiangfan—Guangji Fault in South Dabie Orogen, Central China .....	YANG Kunguang ,CHENG Wanqiang, ZHU Qingbo, LI Xuegang(493)
Granite Porphyry SHRIMP U-Pb Age at top of the Nanhuan Talisaye Formation in Guozigou, Ili area, and Implications for Glaciogenic Diamictite .....	GAO Wei, ZHANG Chuanheng, LI Yong'an(504)
Discussion on Geochemical Characteristics and Sedimentary Environment of the Frasnian Radiolarian Chert in Southeastern Yunnan .....	REN Guangming, WANG Peng, ZHANG Linkui, ZHANG Binhui,DAI Jie (514)
Geological and Geochemical Characteristics of Middle Triassic Syenite—Granite Suite in Hainan Island and Its Geotectonic Implications .....	ZHOU Zuomin, XIE Caifu, XU Qian, GAO Dafei(531)
Isotopic Characteristics of the Mesozoic to Cenozoic Basic Rocks from Eastern China: Character of Magmatic Source and Deep Processes .....	YAN Jun , AN Yajun , CHEN Jiangfeng (540)
Discovery of a Large Oil and Gas Field within Metamorphic Rocks 0 ~ 1600 m below Sedimentary Rocks in Liaohé Fault-depression and Its Significances .....	PANG Xiongqi, XIE Wenyan, MENG Weigong, GAO Xianzhi, LI Xiaoguang, LENG Jigao, LI Jianhua(547)
The Closure of U-Pb Isotope System in Cassiterite and Its Reliability for Dating .....	ZHANG Dongliang, PENG Jiantang, HU Ruizhong, YUAN Shunda, ZHENG Deshun(554)
Forming Depth of High Pressure—Ultra-high Pressure Metamorphic Rocks: A Review .....	WU Hongling(564)
Geochemistry, Geochronology and Geological Significance of Gufengshan Granodiorite in Linfen Grabben Basin .....	QI Yue, XU Hongbo, ZHANG Jingxiong, LUO Jinhai(573)
Preliminary Investigation on Sedimentary Environment of the Balang Formation in Geyi ,Taijiang, Eastern Guizhou, China .....	DA Yang, PENG Jin, ZHAO Yuanlong, MA Haitao, GU Yu(581)
Isotopic Evidence for Determining the Devonian Gold and Molybdenum Mineralization in the Hadamengou Area, Baotou, Inner Mongolia .....	HOU Wanrong, NIE Fengjun, DU Andao, LIU Yifei, YUN Fei, ZHANG Ke, LIU Yong, BIAN Hongye, LIU Hongli (590)
Micro Mechanical Properties and Shape Analysis of Sands Employing Confined Compression Tests .....	CAO Liang, LIU Wenbai, LI Xiaozhao, ZHAO Xiaobao, ZHANG Hui(599)
Research on Engineering Properties of Floodplain Soft Soil in Hexi Area, Nanjing .....	HOU Xiaoliang, ZHAO Xiaobao, LI Xiaozhao, LI Jiaqi(608)
Symposium on Achievements of Geological Science, Technique and prospecting in the “11th Five Year Plan” and Strategic Planning of the “12th Five Year Plan” .....	(582)

## No. 5

Permian Tectonic Setting of Southern Qinghai and Its Tectonic Evolution .....	NIU Zhijun, WU Jun, DUAN Qifa, BAI Yunshan, MA Liyan, ZHAO Xiaoming, HE Longqing(622)
Formation, Evolution and Geological Significance of the Heilongjiang Complex Zone .....	KONG Fanmei, LI Xuping, LI Shoujun, JIN Aiwen(631)
Markov Chain Simulation on the Rhythmic Sequences of Middle Triassic Flysch in Nanpanjing Basin, SW China .....	ZHANG Chengfeng, LÜ Hongbo, XIA Bangdong, FANG Zhong(640)
Discussion on the Deformation and Metamorphic Conditions of Rocks on the Shangnan Part of the Shangnan—Danfeng Tectonic Belt, Qinling Orogen .....	LI Jiahao, SONG Chuanzhong, REN Shenglian, WANG Zhong, TU Wenchuan, ZHANG Huan, ZHANG Haoran(649)
Discovery of Volcanic Debris-Avalanche Deposits in Laohei and Huoshao Volcanoes, Wudalianchi World Geopark, and Ascertaining the Volcanoes' History and Eruptive Model Again .....	LIU Xiang, LANG Jianjun(655)
Discussion on Petrogenetic and Ore-forming Ages of Machangqing Porphyry-type Copper—Molybdenum—Gold Orefield, Western Yunnan .....	GUO Xiaodong, WANG Zhihua, WANG Liang, YANG Yuxia, CHEN Xiaowu(669)
Silicon and Oxygen Isotopic Composition of Mirolitic Cavity Granites and Garnet-bearing Pegmatites in Yunxiao, Fujian Province .....	GAO Jianfei, DING Tiping(674)
Deposits of Zhaizicun Landslide-dammed Lake along Jinsha River and Its Implication for the Genesis of Xigeda Formation .....	XU Zemin(684)
Reflections on the Catastrophic Debris Flow Event in Zhouqu County: How to Minimize Casualties? .....	LI Changjiang, MA Tuhua(698)

Potential Geological and Environmental Risks and Its Prevention Measures for CO <sub>2</sub> Geological Storage Projects .....	.....
.....	..... CUI Zhendong, LIU Da'an, ZENG Rongshu, NIU Jingrui(706)
Distribution and Application of Trace Elements in Hydrothermal Quartz: Understanding and prospecting .....	.....
.....	..... CHEN Xiaodan, CHEN Zhenyu, CHENG Yanbo, YE Huishou, WANG Huan(717)
A Review on Origin of Ni—Mo Polymetallic Deposits in Lower Cambrian Black Rock Series in South China .....	.....
.....	..... SHI Chunhua, CAO Jian, HU Kai, HAN Shanchu, BIAN Lizeng, YAO Suping(730)
Crust Extensional Activity during the Transition from Sinian(Ediacaran) to Cambrian in Yangtze Block: Evidences from the Depositional Sequence and Geochemical Data .....	.....
.....	..... WANG Zhengjiang, WANG Jian, ZHUO Jiewen, YANG Ping, LIU Jiahong, XIE Shangke(742)
Discovery of the Balang Fauna at Luojiatang, Yangqiao, Cengong, Guizhou, and Its Significance to the Early Evolution of the Metazoa .....	.....
.....	..... MA Haitao, PENG Jin, ZHAO Yuanlong, DA Yang, SUN Haijing(748)
Structural Styles and an Evaluation for Uranium Ore-forming Potentials in the Uranium Prospective Areas in Turpan—Hami Basin, Xinjiang .....	.....
.....	..... QUAN Zhigao, ZHANG Jiamin, FU Chengming, JI Haijun, ZHANG Fa (754)
Asian Monsoonal Climate Variability at Orbital Scales during the MIS8—MIS 9: Based on Stalagmite Data from Laomu Cave, Henan Province, China .....	.....
.....	..... LI Shanying, YANG Yan, LI Tingyong, MA Rui, GUO Yanwei(759)
Editors of Our Periodical Won a <i>Second Prize for Progress in Science and Technology of Inner Mongolia Autonomous Region</i> for the Cooperative Research Achievements with Scientists and Technicians of the Bayan Obo Mine .....	..... (760)
Notes to Contributors .....	..... (699,717)

## No. 6

On the Lower Jurassic Soft-sediment Deformation of Southwestern Tianshan Mountains, Xinjiang, China .....	.....
.....	..... QIAO Xiufu, GUO Xianpu(769)
Mesoproterozoic Stratigraphic—Structure Framework in Huli—Dongchuan Area .....	.....
.....	..... YIN Fuguang, SUN Zhiming, ZHANG Zhang(778)
Evolution of the Yiwulüshan Metamorphic Core Complex and Late Jurassic Extensional Event in the Western Liaoning Province .....	.....
.....	..... ZHANG Bilong, ZHU Guang, JIANG Dazhi, CHEN Yin, HU Shaoqi(798)
The Study of Microstructure Characters and the Condition of Metamorphism and Deformation of Garnets from Garnet—Mica Schist in the Tongbai Mountain, East Section of Shangnan—Danfeng Fault Belt .....	.....
.....	..... REN Shenglian, SONG Chuanzhong, LIN Shoufa, ZHANG Haoran, LI Jiahao, TU Wenchuan, ZHANG Huan, ZHANG Junjie(809)
Euxinic Evolution of Ediacaran (Sinian) Ocean in South China —Evidence from Analysis of Pyrite Morphology .....	.....
.....	..... WANG Lin, SHI Xiaoying, JIANG Ganqing(824)
LA-ICP-MS U-Pb Isotope Chronology of the Single Zircons from Early Cretaceous Jiande Group in Western Zhejiang, SE China: Significances to Stratigraphy .....	.....
.....	..... LI Xianghui, CHEN Sidun, WANG Yin, CAO Ke, LIU Ling(836)
Petrology, Geochemistry and Petrogenesis of the Baishachong and Beipaotai Granitic Stocks in Gejiu, Yunnan Province, Southwest China .....	.....
.....	..... LI Xiaolong, MAO Jingwen, CHENG Yanbo(850)
Rheology of Partially Molten Rocks: a State-of-the-art Overview .....	.....
.....	..... SHAO Tongbin, JI Shaocheng, WANG Qian(869)
Early—Middle Cretaceous Sporopollen Assemblages and New Progress on Biogeography in the Northern Part of Tarim Basin .....	.....
.....	..... GUO Xianpu, WANG Daning, DING Xiaozhong, ZONG Wenming, ZHOU Wei(876)
Yanshanian Granite Batholiths of Southern Zhuguang Mountain: SHRIMP Zircon U-Pb Dating and Tectonic Implications .....	.....
.....	..... DENG Ping, REN Jishun, LING Hongfei, SHEN Weizhou, SUN Liqiang, ZHU Ba, TAN Zhengzhong(888)
Zircon SHRIMP U-Pb Datings of Granite and Its enclave from Xinyuan Pluton, Southern Qinling Mountains, and Their Geological Significances .....	.....
.....	..... LEI Min, WU Cailai, WU Xiuping, GAO Yuanhong, WU Suoping, CHEN Qilong, QIN Haipeng(899)
Genesis of Carboniferous Subaqueous Limestone Dykes in Bubing Area, Tiandong Country, Guangxi .....	.....
.....	..... ZHOU Kaihua, CHEN Chunfang, LU Gang, TIAN Qing, LI Xinhua, TANG Xintian(905)
Contents of <i>Geological Review</i> , 2011, Vol. 57 .....	..... (908)
The Index of the First Writers of 2011, Vol. 57, <i>Geological Review</i> .....	..... (905)