

## 地 球 科 学

2018年4月 第43卷 第4期

## 目 次

## 青藏高原特提斯与喜马拉雅造山与成矿专辑

## · 喜马拉雅—雅鲁藏布江及其他新特提斯地区 ·

东喜马拉雅构造结东、西边界断裂对比及其构造演化过程

董汉文,许志琴,曹 汇,李 源,刘 钊,李化启,易治宇,陈希节,马绪宣,吴 婵 (933)

雅鲁藏布江缝合带西段东波 MORB型均质辉长岩的大洋核杂岩成因

刘 飞,连东洋,牛晓露,赵 慧,冯光英,杨经绥 (952)

西藏雅鲁藏布江缝合带西段达巴蛇绿岩年代学、地球化学特征及其构造意义

程 晨,夏 斌,郑 浩,袁亚娟,殷征欣,陆 野,徐 迟,张 肖 (975)

豆荚状铬铁矿床研究回顾与展望

陈艳虹,杨经绥 (991)

Fe-Mg 同位素在蛇绿岩中铬铁矿床成因研究中的应用潜力

苏本勋,肖 燕,陈 晨,白 洋,刘 霞,梁 子,彭青山 (1011)

罗布莎豆荚状铬铁矿床中刚玉的含 Ti 矿物包裹体特征

徐向珍,杨经绥,熊发挥,郭国林 (1025)

蛇绿岩中铬铁岩母岩浆的富 Ca 特征:矿物包裹体证据

刘 霞,苏本勋,白 洋,陈 晨,肖 燕,梁 子,杨赛红,彭青山,苏本灿,刘 斌 (1038)

## · 冈底斯和班公湖—怒江地区 ·

西藏玛日埃错地区花岗斑岩岩石成因及其对班公湖—怒江缝合带中段演化的制约

李发桥,刘治博,唐菊兴,宋 扬,高 轲,李海峰,赵志强,滕 磊 (1051)

西藏班公湖—怒江缝合带西段洞错蛇绿岩中的辉长岩锆石 U-Pb 年代学及地质意义

武 勇,陈松永,秦明宽,郭冬发,郭国林,张 财,杨经绥 (1070)

拉萨地体北部永珠地区早白垩世岩浆岩地球化学、锆石 U-Pb 年代学、Hf 同位素组成及其地质意义

张诗启,戚学祥,韦 诚,陈松永 (1085)

西藏聂荣微陆块奥陶纪和侏罗纪岩浆事件的年龄证据

陆 露,钱 程,赵 珍,吴珍汉,刘玉双,周 亮,王 岩 (1110)

多龙矿集区色那东岩体年龄、成因与动力学背景

王 勤,林 彬,唐菊兴,宋 扬,李彦波,侯俊富,李玉彬,卫鲁杰 (1125)

冈底斯带甲玛矿区花岗斑岩类年代学、地球化学及岩石成因

孟元库,马士委,许志琴,陈希节,马绪宣 (1142)

## · 羌塘和东昆仑地区 ·

东昆仑古特提斯构造带中的原特提斯记录:来自苦海镁铁质岩块的证据

张 航,王宗起,马昌前,熊富浩,蒋红安,郭宇衡 (1164)

后碰撞阶段的“俯冲型”岩浆岩:来自东昆仑瑙木浑沟晚三叠世闪长玢岩的证据

张明东,马昌前,王连训,郝峰华,郑少杰,张 磊 (1183)

东昆仑哈拉森地区花岗岩类岩石成因及地质意义

何 成,王力圆,田立明,徐 净 (1207)

东昆仑五龙沟地区晚志留世 A 型花岗岩成因:U-Pb 年代学、地球化学、Nd 及 Hf 同位素制约

王艺龙,李艳军,魏俊浩,李 欢,韩 玉,周红智,黄啸坤,柯坤家 (1219)

蓝岭地区蓝片岩和含硬柱石多硅白云母片岩变质 P-T 轨迹

王仕林,杜瑾雪,王根厚,梁 晓 (1237)

## · 阿尔金—祁连和其他地区 ·

北祁连青山花岗岩体矿物学特征及其对岩石成因的约束

王 楠,吴才来,雷 敏,陈红杰,李名则 (1253)

北阿尔金野马泉二长花岗岩成因及其构造意义

郑 坤,吴才来,郜源红,郭文峰,陈红杰,吴 迪,高 栋 (1266)

南阿尔金陆块科克萨依新元古代花岗岩成因及地质意义

陈红杰,吴才来,雷 敏,郭文峰,张 眇,郑 坤,高 栋,吴 迪 (1278)

张广才岭地块早一中二叠世镁铁质侵入岩体的年代学、地球化学及岩石成因

冯光英,刘 桑,牛晓露,杨经绥 (1293)

川西冕宁—德昌 REE 矿带风化型矿床的矿石类型及成因

李自静,刘 琰 (1307)

琼东南晚二叠世 I 型花岗岩成因及其构造指示

赵国锋,刘江川,钱 鑫,张爱梅,何景文,何慧莹,王岳军 (1321)

黔南基性岩墙岩石地球化学、SHRIMP 锆石 U-Pb 年代学及地质意义

祝明金,田亚洲,聂爱国,张 恒,杨华桑 (1333)

中天山南缘乌瓦门早志留世安第斯型安山岩的发现及意义

牛晓露,刘 飞,冯光英,杨经绥 (1350)

## · 其他 ·

《地球科学》2018年5月第43卷第5期要目预告 (1252)

主编 赖旭龙 责任编辑 谢晓红 史冠中

期刊基本参数:CN 42-1874/P \* 1957 \* m \* A4 \* 434 \* zh \* P \* ￥20.00 \* 1200 \* 26 \* 2018-04

封面照片:特提斯洋西段中生代阿尔巴尼亚蛇绿岩中的地幔橄榄岩,其中产出的 Bulqiza 铬铁矿储量超过 3 千万吨,最近在块状铬铁矿中已经发现金刚石等超高压和强还原矿物组合,指示铬铁矿可能深部成因(杨经绥提供)

# EARTH SCIENCE

## Vol.43 No.4 Apr. 2018

### CONTENTS

#### *The Tethys and Himalaya Orogeny and Mineralization on the Tibetan Plateau*

**• The Himalaya-Yarlung Zangbu River and Neo-Tethys Regions •**

Comparison of Eastern and Western Boundary Faults of Eastern Himalayan Syntaxis, and Its Tectonic Evolution .....	Dong Hanwen, Xu Zhigui, Cao Hui, Li Yuan, Liu Zhao, Li Huaiqi, Yi Zhiyu, Chen Xijie, Ma Xuxuan, Wu Chan	(993)
Dongbo MORB-Type Isotropic Gabbro Emplaced as an Oceanic Core Complex in Western Yarlung Zangbo Suture Zone, Tibet .....	Liu Fei, Lian Dongyang, Niu Xiaolu, Zhao Hui, Feng Guangying, Yang Jingsui	(952)
Chronology, Geochemistry and Tectonic Significance of Daba Ophiolites in Western Segment of Yarlung Zangbo Suture Zone, Tibet .....	Cheng Chen, Xia Bin, Zheng Hao, Yuan Yajuan, Yin Zhengxin, Lu Ye, Xu Chi, Zhang Xiao	(975)
Formation of Podiform Chromitite Deposits: Review and Prospects .....	Chen Yanhong, Yang Jingsui	(991)
Potential Applications of Fe and Mg Isotopes in Genesis of Chromite Deposits in Ophiolites .....	Su Benxun, Xiao Yan, Chen Chen, Bai Yang, Liu Xia, Liang Zi, Peng Qingshan	(1011)
Characteristics of Titanium-Bearing Inclusions Found in Corundum of Luobusa Podiform Chromitite, Tibet .....	Xu Xiangzhen, Yang Jingsui, Xiong Fahui, Guo Guolin	(1025)
Ca-Enrichment Characteristics of Parental Magmas of Chromitite in Ophiolite: Inference from Mineral Inclusions .....	Liu Xia, Su Benxun, Bai Yang, Chen Chen, Xiao Yan, Liang Zi, Yang Saihong, Peng Qingshan, Su Bencan, Liu Bin	(1038)

**• The Gangdis and Bangong-Nujiang Regions •**

Petrogenesis of Granite Porphyry in Mariaicuo Area, Shuanghu County, Tibet, and Constraints on the Evolution in the Middle Section of Bangonghu-Nujiang Suture Zone .....	Li Faqiao, Liu Zhibo, Tang Juxing, Song Yang, Gao Ke, Li Haifeng, Zhao Zhiqiang, Teng Lei	(1051)
Zircon U-Pb Ages of Dongcuo Ophiolite in Western Bangonghu-Nujiang Suture Zone and Their Geological Significance .....	Wu Yong, Chen Songyong, Qin Mingkuan, Guo Dongfa, Guo Guolin, Zhang Cai, Yang Jingsui	(1070)
Geochemistry, Zircon U-Pb Dating and Hf Isotope Compositions of Early Cretaceous Magmatic Rocks in Yongzhu Area, Northern Lhasa Terrane, Tibet, and Its Geological Significance .....	Zhang Shiqi, Qi Xuexiang, Wei Cheng, Chen Songyong	(1085)
Geochronological Evidence of Ordovician and Jurassic Magmatic Events in Nyainrong Microcontinent, Tibet .....	Lu Lu, Qian Cheng, Zhao Zhen, Wu Zhenhan, Liu Yushuang, Zhou Liang, Wang Yan	(1110)
Diagenesis, Lithogenesis and Geodynamic Setting of Intrusions in Senadong Area, Duolong District, Tibet .....	Wang Qin, Lin Bin, Tang Juxing, Song Yang, Li Yanbo, Hou Junfu, Li Yubin, Wei Lujie	(1125)
Geochronology, Geochemistry and Petrogenesis of the Granitoid Porphyries from Jiamu Ore Deposit in Gangdese Belt .....	Meng Yuanku, Ma Shiwei, Xu Zhiqin, Chen Xijie, Ma Xuxuan	(1142)

**• The Qiangtang-East Kunlun Regions •**

Proto-Tethys Record in Paleo-Tethys Belt of East Kunlun: Evidence from Kuhai Mafic Blocks .....	Zhang Hang, Wang Zongqi, Ma Changqian, Xiong Fuhao, Jiang Hong'an, Guo Yuheng	(1164)
Subduction-Type Magmatic Rocks in Post-Collision Stage: Evidence from Late Triassic Diorite-Porphyrite of Naomuhungou Area, East Kunlun Orogen .....	Zhang Mingdong, Ma Changqian, Wang Lianxun, Hao Fenghua, Zheng Shaojie, Zhang Lei	(1183)
Petrogenesis and Geological Implications of Granitoids from Halasen, East Kunlun .....	He Cheng, Wang Liyuan, Tian Liming, Xu Jing	(1207)
Origin of Late Silurian A-Type Granite in Wulonggou Area, East Kunlun Orogen; Zircon U-Pb Age, Geochemistry, Nd and Hf Isotopic Constraints .....	Wang Yilong, Li Yanjun, Wei Junhao, Li Huan, Han Yu, Zhou Hongzhi, Huang Xiaokun, Ke Kunjia	(1219)
Metamorphic P-T Paths of Blueschist and Lawsonite-Bearing Phengite Schist in Lanling Area, Central Qiangtang .....	Wang Shilin, Du Jinxue, Wang Genhou, Liang Xiao	(1237)

**• The Altun-Qilian and Other Regions •**

Mineralogical Characteristics of Qingshan Granitic Pluton in North Qilian Orogenic Belt and Their Constraints on Petrogenesis .....	Wang Nan, Wu Cailai, Lei Min, Chen Hongjie, Li Mingze	(1253)
Petrogenesis and Tectonic Implications of Yemaquan Monzogranite from North Altyn .....	Zheng Kun, Wu Cailai, Gao Yuanhong, Guo Wenfeng, Chen Hongjie, Wu Di, Gao Dong	(1266)
Petrogenesis and Implications for Neoproterozoic Granites in Kekesayi Area, South Altyn Continent .....	Chen Hongjie, Wu Cailai, Lei Min, Guo Wenfeng, Zhang Xin, Zheng Kun, Gao Dong, Wu Di	(1278)
Geochronology, Geochemistry and Petrogenesis of Early-Middle Permian Mafic Intrusion in Zhangguangcai Range, China .....	Feng Guangying, Liu Shen, Niu Xiaolu, Yang Jingsui	(1293)
Ore Types and Genesis of Weathered Deposits in Mianning-Dechang REE Ore Belt, Western Sichuan Province, Southwestern China .....	Li Zijing, Liu Yan	(1307)
Petrogenesis of Late Permian I-Type Granites in SE Hainan Island and Its Tectonic Implication for Paleotethyan Evolution .....	Zhao Guofeng, Liu Huichuan, Qian Xin, Zhang Aimei, He Jingwen, He Huiying, Wang Yuejun	(1321)
Petrogeochemistry, Zircon SHRIMP U-Pb Geochronology of Mafic Dykes in South Guizhou and Their Geological Implications .....	Zhu Mingjin, Tian Yazhou, Nie Aiguo, Zhang Heng, Yang Huashen	(1333)
Discovery and Significance of Early Silurian Andesites in Wuwamen Area, Southern Margin of Central Tianshan Block .....	Niu Xiaolu, Liu Fei, Feng Guangying, Yang Jingsui	(1350)