

MAIN CONTENTS

Paleoenvironmental evolution of the Tianwen-1 landing site
LIU Yang, WU Xing, WU Yu-chun, LI Chao, ZHAO Yu-Yan Sara, LING Zong-cheng, GOU Sheng, ZHAO Jian-nan, CHEN Ling, ZOU Yong-liao, LIN Yang-ting 431

Petrological and geochemical characteristics of Chang'E-5 basalt and discussions on its origin
YANG Wei, TIAN Heng-ci, CHEN Yi, HU Sen, SU Bin, LIN Yang-ting, LI Xian-hua 442

Impact history of the Moon and its modification of lunar surface materials
XIAO Zhi-yong, YUE Zong-yu, XIE Ming-gang, DING Chun-yu, YANG Jing, DI Kai-chang, HU Sen, LIN Yang-ting 462

Research progress of remote sensing for the Chang'e lunar exploration mission
LIN Hong-lei, CHEN Jian, LI Chao, DING Chun-yu, XIAO Xiao, HUANG Jun, JI Jin-zhu, GOU Sheng, ZHANG Jin-hai, WEI Yong, LIN Yang-ting 478

Space weathering characteristics of lunar soil in the landing area of Chang'E-5
LI Yang, TANG Hong, XU Yu-chen, GU Li-xin 494

Thermodynamics of the melting reaction of basalt for preparing the continuous fiber
LIU Chang-jiang, DONG Cheng, MA Hong-wen, GUO Ling, LI Hong-chao 500

A study of geochemistry and LA-ICP-MS U-Pb zircon dating of the late Jurassic Luokun monzonite granite-porphry intrusion in the southwestern Guizhou
YANG En-lin, ZHOU Ming-zhong, ZHANG Hong-wei, ZENG Zhao-guang, LU Jian-bao, ZHOU Ke-lin 508

The H, O, S, and Pb isotopic compositions and genesis of the Zhalageamu copper polymetallic deposit in Inner Mongolia, China
LIU Huai-jin, XU Hui, ZHANG Xu-zhu, NIU Xing-guo, QIU Guang-yi, LI Yuan, GUO Jun-feng, ZHU He, XING Zhi-jun, LI Zhi-gang 521

Microscopic and micro-Raman spectroscopic studies on infectious urinary stone
CHEN Xue-hua, DING Jun-ying, GU Xiao-jian, CAI Yuan-feng, XU Yan, NI Pei 533

Genesis of the Erdaohezi deposit, Inner Mongolia, China: constraints from LA-ICP-MS trace element geochemistry of sphalerite
LIU Yan-rong, MORITZ Robert, GUAN Qiang-bing, STEFANOVA Elitsa, ZHOU Qun-jun, LIU Min-wu 544

Genesis of the wide-field electromagnetic low-resistivity anomalous zone F0 in the Lannigou gold deposit, Guizhou Province; constraints from geological and geochemical characteristics
YAN Bing, XIE Zhuo-jun, TAN Qin-ping, XIAO Jing-dan, ZHENG Lu-jing, LU Yu-min, XIA Yong, WANG Ze-peng ... 557

The petrological and mineralogical characteristics of three ordinary chondrites and studies of their compound chondrules
CHEN Hong, LI Xin, CHEN Guo-zhu, XIA Zhi-peng, CHEN Yan, LIN Shu-yu 574

Genesis of Cenozoic basalts in Fujian Province; constraints of Sr, Nd, Pb, Hf isotopic geochemical evidences
YAN Shuai-qi, ZHANG Wen-hui, WANG Li-yuan, NIE Jun-tao 588

Identification of geochemical anomalies in the Hongyahu area, Qinghai Province based on the component data analysis and multifractal filtering technique
LIU Yong-sheng, LUO Xian-rong, GAO Wen, LIU Pan-feng, LIANG Ming, YANG Qing-song, SHI Jia-lei, SUN Yao ... 602

Emplacement depth of the late Triassic granite in the Qinling orogenic belt and its tectonic significance
ZHENG Bo-yang, RAN Ya-zhou, LI Jian-gang, JIANG Kai, SHEN Qi, SONG Shi-da, LI Yang, LIANG Wen-tian 615

Geochemical study of fluid inclusions of the Jiuxing copper polymetallic deposit in the southeastern Guizhou
ZHENG Mao-yao, HE Ming-qin, ZHANG Feng, TIAN Huan-huan, LIANG Kun-ping 626

Chronological and geochemical characteristics of the Silurian intrusive rocks in the Alasitai region of the central Tianshan and their tectonic significances
LI Fu-cheng, GONG Xiao-ping, ZHAO Yu-hang, LI Wen-kai, HAN Qiong, WANG Zhe, FENG Cheng-gui 643