

MAIN CONTENTS

Li isotope characteristics of high-temperature altered basalts from IODP Hole U1502B and its implication for seafloor hydrothermal circulation at the early spreading stage in South China Sea <i>TIAN Li-yan, LIU Hong-ling, WU Tao, GAO Jin-wei, SHEN Chen-xi</i>	685
The Sr-Nd isotopic and REE geochemical evidences for the provenance and weathering evolution of sediments in the NW South China Sea since the last glacial age <i>ZHAO Zeng-xiang, WAN Shi-ming, JU Meng-shan, PEI Wen-qiang, JIN Hua-long, ZHANG Jin, ZHAO De-bo, LUAN Zhen-dong, ZHANG Xin, LI An-chun</i>	702
Distribution characteristics and environmental significance of biogenic silica in the surface sediments of the Arctic East Siberian Shelf <i>YANG Gong-xu, YAO Zheng-quan, FENG Han, HU Li-min, ANATOLII Astakhov, ZOU Jian-jun, LIU Yan-guang, WANG Kun-shan, ALEXANDER Bosin, YURI Vasilenko, YANG Gang, SHI Xue-fa</i>	717
The evolution of deep-sea organic carbon burial in the Northwest Pacific and its climatic and environmental implications <i>FANG Hao, ZHANG Yu-ying, HU Li-min, DU Jia-zong, JI Yu-han, SHI Xue-fa</i>	728
Status of researches on the geochemistry of tellurium and tellurium resources <i>FU Ya-zhou, HUANG Su-cheng, LI Jia-rong, ZHANG Jian</i>	741
The principle and application of benthic foraminifera $\Delta\delta^{13}\text{C}$ values to quantitatively reconstruct bottom water oxygen concentrations <i>HUANG Yun-zhu, HU Rong</i>	755
A study on the magmatic processes of lavas from cores of the drilling site DSDP-292 in the West Philippine Basin <i>YUAN Long, YAN Quan-shu, SHI Xue-fa</i>	769
Geochemical characteristics of sediments in the central Bay of Bengal and their significances for paleoceanography <i>TAN Long, LIU Jian-guo, HUANG Yun, MD HAFIJUR Rahaman Khan, XU Zheng, LIU Sheng-fa, SHI Xue-fa</i>	786
Identification and quantitative analysis of rare earth elements in deep-sea sediments using Laser-Induced Breakdown Spectroscopy (LIBS) <i>LU Yuan, QU Zheng-xiao, DU Zeng-feng, HAN Yan, YU Miao, Huang Mu, ZHANG Xin</i>	796
Geochronological and geochemical characteristics of basic intrusive rocks in the Dahongshan iron-copper deposit, Yunnan Province and their geological significances <i>YANG Xin-yu, CHEN Ai-bing, XU Xiao-fei, YANG Guang-shu, YU Wen-xiu, QIN Yuan, YE Zi-feng, ZHANG Yue</i>	802
Geochemical characteristics of sulfur isotopes for the Xiaotunxiang fluorite-antimony deposit, Guizhou, China and its geological significances <i>PENG Ni, ZHOU Jia-xi, XU Yang-dong</i>	820
Geochronology, geochemical characteristics and genesis of the Zhubu intrusion in the Dabie Orogenic Belt <i>CHEN Si-cong, DENG Yu-feng, YUAN Feng, SHEN Huan-xi, LUO Hong-bo, MENG De-yuan, ZHU Chuan-hai</i>	830
Mineralogical characteristics of the Dingjiashan Pb-Zn deposit in the central part of Fujian province and their indicative significances <i>LEI Ke, WANG Li-yuan, CHEN Su-yu</i>	845
Zircon U-Pb ages, whole-rock geochemical characteristics and their tectonic significances of the Dalunwusu intermediate-acidic intrusive rocks in the northern margin of the Alxa Block <i>LEI Cong-cong, LI Wei-xing, ZHANG Chao, WANG Wen-bao, MA Jun</i>	860
Lithium isotope geochemical behavior in the weathering process of granites in the Greater Khingan Mountain area, northeastern China <i>ZHANG Jun-wen, YAN Ya-ni, MENG Jun-lun, ZHANG Zhuo-jun, ZHAO Zhi-qi</i>	873
Weighted clustering casting thin slice image segmentation method based on multi-cluster center <i>ZHENG Yang-yang, ZHANG Chong, WU Wei, JIAO Li-qun</i>	882
Spectral and geochemical characteristics of pyroxene minerals in the Zhuxi tungstencopper deposit in the northeastern Jiangxi, China <i>WEI De-xian, GUO Na, LI Jing-bai, WANG Xiao, XIE Zhou</i>	890
Quantitative methods and research prospects on endogenous phosphorus fluxes in lake sediments <i>WANG Jing-fu, CHEN Quan, JIN Zu-xue, YANG Jiao-jiao, CHEN Jing-an</i>	903
Research progresses on Ni isotope geochemistry during high-temperature geological processes <i>DUAN Qing, CHEN Lie-meng, ZHOU Sheng-hua, KANG Jian</i>	914
Progress on the adsorption of antimony by iron, manganese, and aluminum oxides <i>ZHU Hong-gang, ZHU Jian-ming, TAN De-can, QIN Hai-bo</i>	931