

**A Special Issue Devoted to Geological Research of the Tethyan-Himalayan Orogen
and the Qinghai-Tibet Plateau**

ACTA GEOLOGICA SINICA (English Edition)

Vol. 91 No. 2 2017

CONTENTS

New Editor-in-Chief Professor Degan SHU, Message from the Editor-in-Chief, Introduction to Associate Editors-in-Chief, List of members of the Editorial Board	I-VIII
--	---------------

ORIGINAL ARTICLES

The Coupling Relationship between the Uplift of Longmen Shan and the Subsidence of Foreland Basin, Sichuan, China	(379)
..... LI Yong, YAN Liang, SHAO Chongjian, WANG Zhengjiang, YAN Zhaokun, YU Qian, ZHOU Rongjun and LI Haibin	
New Apatite Fission-Track Ages of the Western Kuqa Depression: Implications for the Mesozoic–Cenozoic Tectonic Evolution of South Tianshan, Xinjiang	(396)
..... YANG Wei, LI Jianfeng, GUO Zhaojie, Marc JOLIVET and Gloria HEILBRONN	
Near-surface Geothermal Gradient Observation and Geothermal Analyses in the Xianshuihe Fault Zone, Eastern Tibetan Plateau	(414)
..... LIU Qianqian, SHI Yanan, WEI Dongping, HAN Peng, CHEN Shunyun, LIU Peixun and LIU Liqiang	
Paleoseismological Study of the Late Quaternary Slip-rate along the South Barkol Basin Fault and Its Tectonic Implications, Eastern Tian Shan, Xinjiang	(429)
..... WU Fuyao, RAN Yongkang, XU Liangxin, CAO Jun and LI An	
Deformation of the Most Recent Co-seismic Surface Ruptures Along the Garzê–Yushu Fault Zone (Dangjiang Segment) and Tectonic Implications For the Tibetan Plateau	(443)
..... WU Jiwen, HUANG Xueming and XIE Furen	
Diamonds Discovered from High–Cr Podiform Chromitites of Bulqiza, Eastern Mirdita Ophiolite, Albania	(455)
..... XIONG Fahui, YANG Jingsui, ROBINSON Paul T., DILEK Yildirim, MILUSHI Ibrahim, XU Xiangzhen, ZHOU Wenda, ZHANG Zhongming and RONG He	
Mineral Inclusions in Chromite from the Chromite Deposit in the Kudi Ophiolite, Tibet, Proto-Tethys	(469)
..... LIU Jianguo, HATTORI Keiko and WANG Jian	
Early Crystallized Titanomagnetite from Evolved Magmas and Magma Recharge in the Mesoproterozoic Zhuqing Oxide-Bearing Gabbroic Intrusions, Sichuan, SW China	(486)
..... FAN Hongpeng and ZHU Weiguang	
Geochronology, Petrology and Geochemistry of Xingdi No. 3 Mafic-Ultramafic Intrusions in the Northeastern Tarim Craton, NW China	(500)
..... XIA Zhaoode, XIA Mingzhe and JIANG Changyi	
Syn-collision Biotite Hornblende Granodiorite from the Zedong Area, Tibet: Zircon U–Pb Isotope Chronology, Petro-geochemistry, and Geodynamic Significance	(515)
..... ZHU Feilin, SHI Zeming, XIONG Fuhao, NI Shijun and BAI Mei	
Geology, Geochemistry and Zircon U–Pb Geochronology of Porphyries in the Dabate Mo–Cu Deposit, Western Tianshan, China: Petrogenesis and Tectonic Implications	(530)
..... DUAN Shigang, ZHANG Zuoheng, WANG Dachuan and LI Fengming	
Jurassic Hornblende Gabbros in Dongga, Eastern Gangdese, Tibet: Partial Melting of Mantle Wedge and Implications for Crustal Growth	(545)
..... XU Bo, HOU Zengqian, ZHENG Yuanchuan, ZHOU Ye, ZHOU Limin, YANG Yu, HAN Yanwei, ZHEN Guo and WU Changda	
Paleo-Tethyan Oceanic Crust Subduction in the Eastern Section of the East Kunlun Orogenic Belt: Geochronology and Petrogenesis of the Qushi'ang Granodiorite	(565)
..... CHEN Guochao, PEI Xianzhi, LI Ruibao, LI Zuochen, LIU Chengjun, CHEN Youxin, PEI Lei, WANG Meng and LI Xiaobing	
Petrogenesis and Tectonics of the Naruo Porphyry Cu(Au) Deposit Related Intrusion in the Duolong Area, Central Tibet	(581)
..... DING Shuai, CHEN Yuchuan, TANG Juxing, ZHENG Wenbao, LIN Bin and YANG Chao	
⁴⁰Ar/³⁹Ar and Rb–Sr Ages of the Tiegelongnan Porphyry Cu–(Au) Deposit in the Bangong Co–Nujiang Metallogenic Belt of Tibet, China: Implication for Generation of Super-Large Deposit	(602)
..... LIN Bin, CHEN Yuchuan, TANG Juxing, WANG Qin, SONG Yang, YANG Chao, WANG Wenlei, HE Wen and ZHANG Lejun	

(See cover 3)

Three-Dimensional In Situ Stress-Field Simulations of Shale Gas Formations: A Case Study of the 5th Member of the Xujiahe Formation in the Xinchang Gas Field, West Sichuan Depression	
..... LÜ Jing, ZHOU Wen, XIE Runcheng, SHAN Yuming, ZHANG Chong and XU Hao	(617)
Chemo- and Biostratigraphy of the Jurassic Oil Shales from the Qiangtang Basin, Northern Tibet, China: A Case Study of the Toarcian Oceanic Anoxic Event	
..... CHEN Lan, XU Guiwen, DA Xuejuan, YI Haisheng, ZHU Zhangxiong, HUANG Zhaohui and LI Xiaogang	(630)
Hydrochemistry and H-O-C-S Isotopic Geochemistry Characteristics of Geothermal Water in Nyemo-Nagqu, Tibet	
..... WANG Siqi, LIU Zhao and SHAO Jingli	(644)
Estimation of Seismic Landslide Hazard in the Eastern Himalayan Syntaxis Region of Tibetan Plateau	
..... DU Guoliang, ZHANG Yongshuang, YANG Zhihua, Javed IQBAL, TONG Bin, GUO Changbao, YAO Xin and WU Ruian	(658)
REVIEWS	
Timing, Displacement and Growth Pattern of the Altyn Tagh Fault: A Review	
..... DAI Shuang, DAI Wei, ZHAO Zhenbin, LUO Junhua, QIANG Lei, MA Xin, ZHANG Xianwen and XU Jianjun	(669)
Lithium Isotopic Geochemistry in Subduction Zones: Retrospects and Prospects	
..... WAN Hongqiong, SUN He, LIU Haiyang and XIAO Yilin	(688)
Germanium in Magnetite: A Preliminary Review	
..... MENG Yumiao, HU Ruizhong, HUANG Xiaowen and GAO Jianfeng	(711)
NEWS AND HIGHLIGHTS	
China's Shale Gas Geological Investigation and Prospecting Have Made Significant Progress	
..... HAO Ziguo, FEI Hongcai, HAO Qingqing and LIU Lian	(727)
RESEARCH ADVANCES	
Discovery of Contact Metamorphism-Related Baddeleyite from the Bayan Obo Deposit, Northern North China Craton	
..... ZHANG Shuanhong and ZHAO Yue	(729)
Status of Silicon in Magnetite	
..... LI Guangrong, GOU Fusheng, WU Changzhi and DONG Binbin	(731)
Complex Seismic Focus Structure and Earthquake-Triggered Landslide Distribution: Analysis of the 2014 Ludian M_w6.1 Earthquake in Yunnan	
..... CHEN Xiaoli and LIU Chunguo	(733)
New insights of the Cenozoic Rotational Deformation of Crustal Blocks on the Southeastern Margin of the Tibetan Plateau and its Tectonic Implications	
..... TONG Yabo, ZHAO Yue and PU Zongwen	(735)
New Zircon SHRIMP U-Pb Ages of the Langjiu Formation Volcanic Rocks in the Shiquanhe Area, Western Lhasa Terrane and their Implications	
..... BIAN Weiwei, YANG Tianshui, SHI Yuruo, MA Yiming, JIN Jingjie, GAO Feng, PENG Wenxiao, ZHANG Shihong, WU Huaichun and LI Haiyan	(737)
Initial Rifting Age of the Nearly N-S Rifts in Southern Tibetan Plateau: New Evidence from the Age limit of the Early Sediments	
..... HA Guanghao, WU Zhonghai, HE Lin and WANG Shubing	(739)
Newly Discovered Fluvial-Lacustrine Sediments in the Western Yangtze Block and their Geological Significance for the Emeishan Large Igneous Province	
..... MABI Awei, ZHANG Mingchun, YANG Zhengxi, LI Yanlong, WEN Dengkui and LIU Xuyang	(741)
A New Potential Caledonian-Indosinian Ore Concentration Area: Evidence from Diagenesis and Mineralization Ages of the Miao'ershan-Yuechengling Region ..	
..... ZHANG Wenlan, CHE Xudong, CHEN Wendi, WANG Rucheng and ZHANG Di	(743)
Molecular Biomarker Characteristics of the Linxi Formation Source Rocks in the Middle-Western Region of Inner Mongolia: New evidence for late-stage tectonic evolution of the Paleo-Asian Ocean	
..... ZHANG Yongsheng, PENG Yuan, SHI Lizhi, XING Enyuan, GUI Baolin and LI Kai	(745)
New Discoveries of the Influence of Sedimentary Environment on Rearranged Hopanes in Source Rocks	
..... LI Jin, ZHANG Min and KONG Ting	(747)
A new discovery of The Early Cretaceous Supercritical Hyperpycnal Flow Deposits on Lingshan Island, East China	
..... YANG Tian, CAO Yingchang and WANG Yanzhong	(749)
Classification and Facies Sequence Model of Subaqueous Debris Flows	
..... XIAN Benzong, LIU Jianping, DONG Yanlei, LU Zhiyong, HE Yanxin and WANG Junhui	(751)
The Factors for Transformation between the Fractions of Speciation of Trace Metals in Lake Sediments	
..... ZHANG Hui	(753)
New Insights into the Depositional Environments of Ordovician Carbonate Formations in the Yubei Area of Tarim Basin Based on Standard Microfacies Types	
..... HUANG Chenjun, LIU Geyun, MA Yongsheng, LIU Bo, LIU Hongguang and SHI Kaibo	(755)
Petrogenesis of the Shadegai Pluton in Inner Mongolia: Evidence from Petrography, Element Geochemistry and Geochronology	
..... GENG Huiqing and ZHANG Yongmei	(757)
<i>Acta Geologica Sinica</i> (English Edition) Calls For Open-dated Submission of Paleontological Papers	(759)
<i>Acta Geologica Sinica</i> (English Edition) Calls For Submission of Review Papers	(760)
Introduction to <i>Geological Periodical Network of China</i>	(761)