

PUBLISHED BY THE PRESS SYNDICATE OF THE UNIVERSITY OF CAMBRIDGE
The Pitt Building, Trumpington Street, Cambridge CB2 1RP, United Kingdom

CAMBRIDGE UNIVERSITY PRESS
Journals Fulfillment Department, UPH, Shaftesbury Road,
Cambridge, CB2 8BS, UK, United Kingdom
One Liberty Plaza, New York, NY 10006, USA
477 Williamstown Road, Port Melbourne, VIC 3207, Australia
Ruiz de Alarcón 13, 28014 Madrid, Spain
Dock House, The Waterfront, Cape Town 8001, South Africa

Printed and bound in the UK by Bell & Bain Ltd, Glasgow

Contents

GEOLOGICAL MAGAZINE

ORIGINAL ARTICLES

Partial melting of oceanic sediments in subduction zones and its contribution to the petrogenesis of peraluminous granites in the Chinese Altai

Qun Luo, Chen Zhang, Shu Jiang, Luofu Liu, Dongdong Liu, Xiangye Kong, Xiaoyu Liu & Xinpeng Wang

585-604

Style and intensity of late Cenozoic deformation in the Nagoorin Basin (eastern Queensland, Australia) and implications for the pattern of strain in an intraplate setting

Abbas Babaahmadi, Gideon Rosenbaum, Renate Sliwa, Joan Esterle & Mojtaba Rajabi

605-619

Palaeomagnetic, rock-magnetic and mineralogical investigations of the Lower Triassic Vardebukta Formation from the southern part of the West Spitsbergen Fold and Thrust Belt

Katarzyna Dudzisz, Krzysztof Michalski, Rafal Szaniawski, Krzysztof Nejbert & Geoffrey Manby

620-638

Mineralization of Luziyuan Pb-Zn skarn deposit, Baoshan, Yunnan Province, SW China: evidence from petrography, fluid inclusions and stable isotopes

Yu-Long Yang, Lin Ye, Tan Bao, Wei Gao & Zhen-Li Li

639-658

Structural features and formation conditions of mud diapirs in the Andaman Sea Basin

Wengang He & Jianxun Zhou

659-668

A new species of *Platysiagum* from the Luoping Biota (Anisian, Middle Triassic, Yunnan, South China) reveals the relationship between Platysiagiidae and Neopterygii

W. Wen, S. X. Hu, Q. Y. Zhang, M. J. Benton, J. Kriwet, Z. Q. Chen, C. Y. Zhou, T. Xie & J. Y. Huang

669-682

Detrital zircon geochronology and geochemistry of Jurassic sandstones in the Xiongcun district, southern Lhasa subterrane, Tibet, China: implications for provenance and tectonic setting

Xinghai Lang, Dong Liu, Yulin Deng, Juxing Tang, Xuhui Wang, Zongyao Yang, Zhiwei Cui, Yongxin Feng, Qing Yin, Fuwei Xie, Yong Huang & Jinshu Zhang

683-701

Geochronological and geochemical studies of the OIB-type Baiyanghe dolerites: implications for the existence of a mantle plume in northern West Junggar (NW China)

Xiu-Quan Miao, Xin Zhang, Hui Zhang, Jin-Rong Wang, Zheng Liu, Cheng-Ze Li, Qiang Shi, Run-Wu Li, Yao-Shen Huang & Quan-Zheng Ma

702-724

Hindfins of *Ichthyosaurus*: effects of large sample size on 'distinct' morphological characters

Judy A. Massare & Dean R. Lomax

725-744

Rifting in SW China: structural and sedimentary investigation of the initial crustal response to emplacement of the Permian Emeishan LIP

Yu Wang, Ingrid Utkins Peate, Zhaohua Luo, Shuzhi Wang, Lilu Cheng, Jinhua Hao & Ye Wang

745-758

Cambridge Core

For further information about this journal please go to the journal website at: cambridge.org/geo



MIX
Paper from
responsible sources
FSC® C007785

CAMBRIDGE
UNIVERSITY PRESS