

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

The first Early Ordovician graptolites and marine incursions in eastern Alborz, Iran
Adrian W. A. Rushton, Mansoureh Ghobadi Pour, Leonid E. Popov, Hadi Jahangir and Arash Amini

1719–1732

1811–1829

Zircon U–Pb ages and petrogenesis of late Miocene adakitic rocks from the Sari Gunay gold deposit, NW Iran
Hossein Shahbazi, Yasaman Taheri Maghami, Hossein Azizi, Yoshihiro Asahara, Wolfgang Siebel, Mohammad Maanijou and Ali Rezai

1733–1755

1830–1846

Three-dimensional stromatolites from Maastrichtian–Danian Yacoraite Formation, Argentina: modelling and assessing hydrodynamic controls on growth patterns
Patricia Guillermo Villafañe, Carlos Cónsole-Gonella, Paolo Citton, Ignacio Díaz-Martínez and Silvina de Valais

1756–1772

1847–1861

The Cuyano proto-ocean between the Chilenia and Cuyania terranes: rifting and plume interaction during the Neoproterozoic – early Palaeozoic evolution of the SW Gondwana margin
Sofía B. Pérez Luján, Florencia L. Boedo, Juan P. Ariza, Graciela I. Vujovich, Patricia Alvarado and Suzanne M. Kay

1773–1794

1862–1890

Petrogenesis of (meta-) basalts from the North Qilian Orogenic Belt, NW China: implications for the Palaeoproterozoic–Mesoproterozoic tectonic evolution of the North Qilian Block
Xiu-Quan Miao, Yi-Xin Liu, Yi-Wei Liu, Jin-Rong Wang and Jian-Lin Chen

1795–1810

1891–1910

Ediacaran initial subduction and Cambrian slab rollback of the Junggar Ocean: New evidence from igneous tectonic blocks and gabbro enclave in Early Palaeozoic accretionary complexes, southern West Junggar, NW China
Wen Liao, Bao-Fu Han, Yan Xu and Ang Li

Lowermost Jurassic dinosaur ecosystem from the Bleymard Strait (southern France): sedimentology, mineralogy, palaeobotany and palaeoichnology of the Dolomitic Formation
Jean-David Moreau, Vincent Trincal, Jean-François Deconinck, Marc Philippe and Benjamin Bourel

Principal component analysis of textural characteristics of fluvio-lacustrine sandstones and controlling factors of sandstone textures
Dong-Yu Zheng and Si-Xuan Wu

Constraints of magmatism on the Ergu Fe–Zn polymetallic metallogenic system in the central Lesser Xing'an Range, NE China: evidence from geochronology, geochemistry and Sr–Nd–Pb–Hf isotopes
Chuntao Zhao, Jinggui Sun, Yang Liu, Xiaolei Chu, Zhikai Xu, Jilong Han, Wenqing Li, Liang Ren and Chenglin Bai

Petrogenesis and tectonic significance of the middle Neoproterozoic highly fractionated A-type granite in the South Qinling block
Xiao-Fei Qiu, Qiong Xu, Tuo Jiang, Shan-Song Lu and Long Zhao

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