Contents

ORIGINAL ARTICLES

The first Early Ordovician graptolites and marine incursions in eastern Alborz, Iran
Adelin W. A. Rashidi, Mansourough Cheraghli Pour, Leonid E. Popov, Hadi Jahangiri and Arash Amini
Content: 1719–1732

Zircon U–Pb ages and petrogenesis of late Miocene adakitic rocks from the Sari Gunay gold deposit, NW Iran
Hossein Mohtadi, Yasaman Taheri Maghami, Hossein Azizi, Yoshitoshi Aihara, Wolfgang Siebel, Mohammad Aminjou and Ali Rezaei
Content: 1733–1755

Three-dimensional stromatolites from Maastrichtian-Danian Yacoraite Formation, Argentina: modelling and assessing hydrodynamic controls on growth patterns
Pamela Guadalupe Villeda, Carlos Gonzalo González, Paolo Cittino, Ignacio Díaz-Martínez and Silvina de Valais
Content: 1756–1772

The Cuyano proto-ocean between the Chilenia and Cuyania terranes: rifting and plume interaction during the Neoproterozoic – early Paleozoic 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
Content: 1773–1794

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
Wei Liao, Bao-Fu Han, Yan Xu and Ang Li
Content: 1811–1829

Lowermost Jurassic dinosaur ecosystem from the Bleymard Strait (southern France): sedimentology, palaeontology and palaeoichnology of the Dolomitic Formation
Jean-David Moreau, Vincent Trincal, Jean-François Deconinck, Marc Philippe and Benjamin Boulè
Content: 1830–1846

Principal component analysis of textural characteristics of fluvio-lacustrine sandstones and controlling factors of sandstone textures
Dong Yu Zheng and Si-Xuan Wu
Content: 1847–1861

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 Li, Xiaolei Chu, Chihui Xu, Jingui Han, Wengping Li, Lajie Rui and Chenglin Bai
Content: 1862–1890

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
Content: 1891–1910
The Geological Magazine was originally established in 1864 and has been published continuously ever since. It covers the whole field of earth sciences, has a worldwide readership and has a particular strength in providing a niche for interdisciplinary papers and papers that would be of interest to geologists from many different specialities. Papers of any length are considered, provided that the length is justifiable.

The Magazine publishes both original and review articles, rapid communications, discussions of papers which have already appeared in the Magazine, book reviews and a list of new publications.

There are no page charges for papers published in the Magazine.

© Cambridge University Press 2021

Internet Access

This journal can be found online at https://www.cambridge.org/geo

The subscription price (excluding VAT) of volume 158, 2021, which includes print and electronic access, is £1095 (US $1863) in the UK, Europe (excluding VAT) and Mexico. The electronic-only price available to institutional subscribers is £852 (US $1551 in the USA, Canada and Mexico). Single parts are £103 net (US $174 in USA, Canada and Mexico) plus postage. Prices include delivery by air where appropriate. Orders, which must be accompanied by payment, should be sent to any bookseller or subscription agent, or direct to the publisher: Cambridge University Press, The University Printing House, Cambridge CB2 8BS, UK, United Kingdom.

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, Shalbourne Road, Cambridge CB2 8BS, UK.

Subscriptions in the USA, Canada and Mexico should be sent to Cambridge University Press, Journals Fulfillment Department, One Liberty Plaza, New York, NY 10006. EU subscribers should send address changes in USA, Canada and Mexico to Journals Fulfillment Department, CUP, One Liberty Plaza, New York, NY 10006, USA.

employees in the sales and marketing department can be obtained from the publisher.

This journal issue has been printed on FSC-certified paper and cover board. FSC is an independent, non-governmental, not-for-profit organization established to promote the responsible management of the world’s forests. Please see www.fsc.org for information.