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

Cyclostratigraphy, stratigraphic gaps and the duration of the Hettangian Stage (Jurassic): insights from the Blue Lias Formation of southern Britain Graham P. Weedon, Kevin N. Page and Hugh C. Jenkyns

1469-1509

Magma production along the Lord Howe Seamount Chain, northern Zealandia Maria Seton, Simon Williams, Nick Mortimer, Sebastien Meffre, Steven Micklethwaite and Sabin Zahirovic

1605-1617

Emplacement mechanism of the Tafresh granitoids, central part of the Urumieh-Dokhtar Magmatic Arc, Iran: evidence from magnetic fabrics Davoud Raeisi, Hassan Mirnejad and Maryam Sheibi

1510-1526

Multicuspid tooth morphology in a gigantic

RAPID COMMUNICATION

1618-1622

Palaeocene pycnodont fish: evolutionary and palaeoecological significance Romain Vullo, Nathalie Bardet, Emmanuel Gheerbrant and Nour-Eddine Ialil

The Hudesheng mafic-ultramafic intrusions in the Oulongbuluke Block, Qinghai Province, NW China: chronology, geochemistry, isotopic systematics and tectonic implications

1527-1546

A protracted Ediacaran-Cambrian transition: an ichnologic ecospace analysis of the Fortunian in Newfoundland, Canada

1623-1630

Haoran Li, Fengyue Sun, Liang Li and Jiaming Yan

Brittany A. Laing, M. Gabriela Mángano, Luis A. Buatois, Guy M. Narbonne and Romain C. Gougeon

Behaviour of minor arcuate shapes hosted in curved fold-and-thrust belts: an example from the Northern Apennines (Italy)

lia Cai

Life is everywhere in sinters: examples from Jurassic hot-spring environments of

Argentine Patagonia Diego M Guido, Kathleen A Campbell,

1631-1638

Sara Satolli, Simone Agostini and Fernando Calamita

1547-1564

Frédéric Foucher and Frances Westall

A Palaeoarchean-Mesoarchean micro-continent entrained in the Jiao-Liao-Ji Belt at the southeastern North China Craton: evidence from the zircon record in the Bengbu area Chaohui Liu, Guochun Zhao, Fulai Liu and

Chen Xiong, Yaoling Niu, Hongde Chen, Anging Chen, Chenggong Zhang, Feng Li,

Shuai Yang and Shenglin Xu

1565-1586

DISCUSSION

Discussion of 'Rare metals on shatter cone surfaces from the Steinheim Basin (SW Germany) - remnants of the impacting body?'

Ahmed El Goresy and Gerhard Schmidt

1639-1640

Detrital zircon U-Pb geochronology and geochemistry of late Neoproterozoic - early Cambrian sedimentary rocks in the Cathaysia Block: constraint on its palaeo-position in Gondwana supercontinent

1587-1604

Reply to Discussion of 'Rare metals on shatter cone surfaces from the Steinheim Basin (SW Germany) - remnants of the impacting body?

E. Buchner and M. Schmieder

1641-1643

Cambridge Core

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



