

New and Featured Books *from* Cambridge!

**Foraminifera and their Applications**

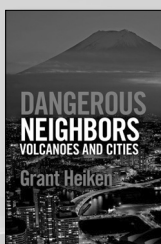
Robert Wynn Jones

\$75.00: Hb: 978-1-107-03640-6: 401 pp.

**Dangerous Neighbors:  
Volcanoes and Cities**

Grant Heiken

\$30.00: Hb: 978-1-107-03923-0:  
196 pp.



**The Seismic Analysis Code  
A Primer and User's Guide**

George Helffrich,  
James Wookey, and Ian Bastow

\$95.00: Hb: 978-1-107-04545-3: 183 pp.  
\$55.00: Pb: 978-1-107-61319-5

**Seismic Amplitude**

An Interpreter's Handbook

Rob Simm and Mike Bacon

\$80.00: Hb: 978-1-107-01150-2: 270 pp.

*Announcing the Special Publications  
of the International Union of  
Geodesy and Geophysics book series!*

**Extreme Natural Hazards,  
Disaster Risks and  
Societal Implications**

*Edited by Alik Ismail-Zadeh,  
Jaime Urrutia-Fucugauchi,  
Andrzej Kijko, Kuniyoshi Takeuchi,  
and Ilya Zaliapin*

\$140.00: Hb: 978-1-107-03386-3: 464 pp.

**Geochemical Rate Models**

An Introduction to Geochemical Kinetics

J. Donald Rimstidt

\$75.00: Hb: 978-1-107-02997-2: 239 pp.

**Mid-Ocean Ridges**

Roger Searle

\$80.00: Hb: 978-1-107-01752-8: 330 pp.

**Arid and Semi-Arid Geomorphology**

Andrew S. Goudie

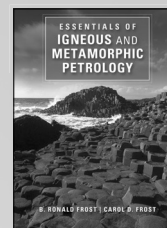
\$85.00: Hb: 978-1-107-00554-9: 461 pp.

TEXTBOOKS

**Essentials of  
Igneous and Metamorphic  
Petrology**

B. Ronald Frost and  
Carol D. Frost

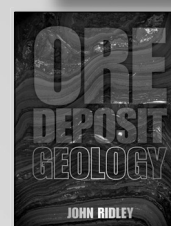
\$125.00: Hb: 978-1-107-02754-1  
\$65.00: Pb: 978-1-107-69629-7:  
314 pp.



**Ore Deposit Geology**

John Ridley

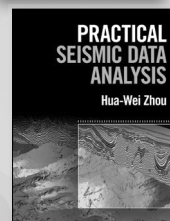
\$85.00: Hb: 978-1-107-02222-5:  
409 pp.



**Practical Seismic  
Data Analysis**

Hua-Wei Zhou

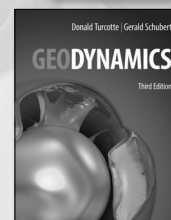
\$75.00: Hb: 978-0-521-19910-0:  
496 pp.



**Geodynamics,  
3rd Edition**

Donald L. Turcotte and  
Gerald Schubert

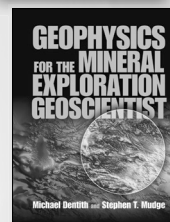
\$150.00: Hb: 978-1-107-00653-9  
\$95.00: Pb: 978-0-521-18623-0:  
560 pp.



**Geophysics  
for the Mineral  
Exploration Geoscientist**

Michael Dentith and  
Stephen T. Mudge

\$75.00: Hb: 978-0-521-80951-1:  
490 pp.



Most books available in electronic format!  
Visit [ebooks.cambridge.org](http://ebooks.cambridge.org) to browse titles.

Browse the Earth and Environmental Sciences  
online catalogs at [www.cambridge.org/earth](http://www.cambridge.org/earth)

Prices subject to change.

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

CAMBRIDGE UNIVERSITY PRESS  
The Edinburgh Building, Cambridge CB2 8RU, United Kingdom  
32 Avenue of the Americas, New York, NY 10013–2473, 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

# GEOLOGICAL MAGAZINE

## CONTENTS

### ORIGINAL ARTICLES

- A starfish bed in the Middle Miocene Grand Bay Formation of Carriacou, The Grenadines (West Indies)**  
Jagt, J. W. M., Thuy, B., Donovan, S. K., Stöhr, S., Portell, R. W., Pickerill, R. K., Harper, D. A. T., Lindsay, W. & Jackson, T. A. 381–393
- Stratigraphic evolution and source rock potential of a Lower Oligocene to Lower–Middle Miocene continental slope system, Hellenic Fold and Thrust Belt, Ionian Sea, northwest Greece**  
Maravelis, A., Makrodimitras, G., Pasadakis, N. & Zelliidis, A. 394–413
- Palaeoenvironmental significance of lacustrine stromatolite forms from the Middle Old Red Sandstone of the Orcadian Basin**  
Andrews, S. D. & Trewin, N. H. 414–429
- The status of the Makrotantalos Unit (Andros, Greece) within the structural framework of the Attic-Cycladic Crystalline Belt**  
Huyskens, M. H. & Bröcker, M. 430–446
- Assessment of Hirnantian synglacial eustasy and palaeogeography in a tectonically active setting: the Welsh Basin (UK)**  
James, D. M. D. 447–471
- Upper Silurian miospores from the Precordillera Basin, Argentina: biostratigraphic, palaeoenvironmental and palaeogeographic implications**  
García Muro, V. J., Rubinstein, C. V. & Steemans, P. 472–490

### CORRIGENDUM

- Upper Silurian miospores from the Precordillera Basin, Argentina: biostratigraphic, palaeoenvironmental and palaeogeographic implications – CORRIGENDUM**  
García Muro, V. J., Rubinstein, C. V. & Steemans, P. 491
- Volcano-stratigraphy of the extension-related silicic volcanism of the Çubukludağ Graben, western Turkey: an example of generation of pyroclastic density currents**  
Karacik, Z. & Genç, S. C. 492–516
- Acanthorhachis*, a new genus of shark from the Carboniferous (Westphalian) of Yorkshire, England**  
Martill, D. M., Del Strother, P. J. A. & Gallien, F. 517–533
- Field and petrographical insight into the formation of orbicular granitoids from the Bonney Pluton, southern Victoria Land, Antarctica**  
Smillie, R. W. & Turnbull, R. E. 534–549
- Benthonic foraminifera in the Upper Miocene Cruse Formation at Quinam Bay, Trinidad, western tropical Atlantic Ocean, and their palaeoenvironmental significance**  
Wilson, B. & Vincent, H. 550–558
- Metamorphic *P–T* conditions and retrograde path of high-pressure Barrovian metamorphic zones near Cairn Leuchan, Caledonian orogen, Scotland**  
Aoki, K., Windley, B. F., Maruyama, S. & Omori, S. 559–571

This journal offers open access publishing through Cambridge Open Option. Please visit [journals.cambridge.org/openoption](http://journals.cambridge.org/openoption) for more information.

#### Cambridge Journals Online

For further information about this journal please go to the journal web site at: [journals.cambridge.org/geo](http://journals.cambridge.org/geo)



MIX  
Paper from  
responsible sources  
FSC® C007785

CAMBRIDGE  
UNIVERSITY PRESS