CAMBRIDGE

Groundbreaking New Titles from Cambridge!

Geomorphology The Mechanics and Chemistry of Landscapes ROBERT S. ANDERSON SUZANNE P. ANDERSON

This textbook provides a modern, quantitative and process-oriented approach to equip students with the tools to understand geomorphology. Setting up problems as a conservation of mass, ice, soil, or heat, this book arms students with tools to fully explore processes, understand landscapes, and to participate in this rapidly evolving field.

Pb: 978-0-521-51978-6: 654 pp.

Structural Geology HAAKON FOSSEN

Lavishly illustrated in color, this textbook takes an applied approach to introduce undergraduate students to the basic principles of structural geology. Containing numerous end-of-chapter problems, e-learning modules, and with stunning field photos and illustrations, this book provides the ultimate learning experience for all students of structural geology.

Hb: 978-0-521-51664-8: 480 pp.

Mantle Convection for Geologists GEOFFREY F. DAVIES

This book describes the physics and fluid dynamics of mantle convection, explaining what it is, how it works, and how to quantify it in simple terms. Common misconceptions and controversies are addressed – providing a straightforward but rigorous explanation of this key process for students and researchers across a variety of geoscience disciplines.

Hb: 978-0-521-19800-4: 344 pp.

Prices subject to change.

Geostatistics Explained An Introductory Guide for Earth Scientists STEVE MCKILLUP

MELINDA DARBY DYAR

A reader-friendly introduction to geostatistics for students and researchers struggling with statistics. Using simple, clear explanations for introductory and advanced material, it demystifies complex concepts and makes formulas and statistical tests easy to apply. It can be used for undergraduate courses or for selfstudy and reference, with worked examples at the end of each chapter reinforce a clear understanding of the statistical tests and their applications.

Hb: 978-0-521-76322-6: 412 pp. Pb: 978-0-521-74656-4

Biominerals and Fossils Through Time JEAN-PIERRE CUIF

YANNICKE DAUPHIN JAMES E. SORAUF

This book emphasizes skeletal formation and fossilization in a geologic framework in order to understand evolution, relationships between fossil groups, and the use of biomineral materials as geochemical proxies for understanding ancient oceans and climates.

Hb: 978-0-521-87473-1: 512 pp.

Second Edition Erosion and Sedimentation PIERRE Y. JULIEN

The second edition of this acclaimed, accessible textbook brings the subject of sedimentation and erosion completely up-to-date, providing an excellent primer on both fundamental concepts of sedimenttransport theory and methods for practical applications. Hb: 978-0-521-83038-6: 392 pp. Pb: 978-0-521-53737-7

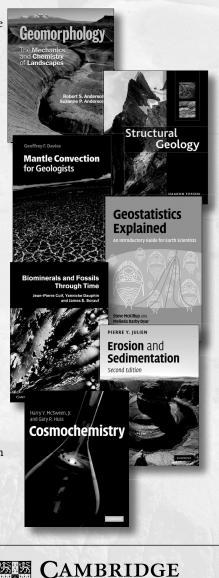
www.cambridge.org/earth 800.872.7423 (North America) +44 1223 326050 (Europe, Middle East, and Africa)

Cosmochemistry

HARRY Y. MCSWEEN, JR. GARY R. HUSS

How did the Solar System's chemical composition evolve? This textbook provides the answers in the first interdisciplinary introduction to cosmochemistry. It makes this exciting and evolving field accessible to undergraduate and graduate students from a range of backgrounds, including geology, chemistry, astronomy and physics.

Hb: 978-0-521-87862-3: 568 pp.



UNIVERSITY PRESS

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

accretion at the East European Platform margin Lustrino, M. 304 Narkiewicz, M., Grad, M., Guterch, A. & Janik, T. 191–210 The Gondwana–Laurussia convergence process:	L - 316
The Gondwana-Laurussia convergence process	
Structural and host rock controls on the distribution, evidence from the Middle Mississippian (Viséan) morphology and mineralogy of speleothems palynostratigraphic record	7–328
Alonso-Zarza, A. M., Martín-Pérez, A., Martín-García, R., Gil-Peña, I., Meléndez, A., Martínez-Flores, E., Hellstrom, J. & Muñoz-Barco, P. 211–225 DISCUSSION	020
Emergence, biodiversification and extinction Discussion of 'First finds of problematic Ediacaran fossil Gaojiashania in Siberia and its origin'	
of the chitinozoan groupComment: Cai, Y. & Hua, H.329Grahn, Y. & Paris, F.226–236Reply: Zhuravlev, A. Y., Gámez Vintaned, J. A.	-332
A review of Pachyvaranus crassispondylus Arambourg,& Ivantsov, A. Y.3321952, a pachyostotic marine squamate from the latest332	2–333
Cretaceous phosphates of Morocco and SyriaRAPID COMMUNICATIONHoussaye, A., Bardet, N., Rage JC., Suberbjola, X. P., Bouyas, B., Amaghaz, M. & Amalik, M.237–249The pterosaurian remains from the Grünbach Formation (Campanian, Gosau Group) of Austria: a reappraisal of	
Petrogenesis and tectonic evolution of metaluminous'Ornithocheirus buenzeli'sub-alkaline granitoids from the Takab Complex, NW IranBuffetaut, E., Ősi, A. & Prondvai, E.334	-339
Hajialioghli, R., Moazzen, M., Jahangiri, A., Oberhansli, R., Mocek, B. & Altenberger, U.Possible juvenile Palaeoarchaean TTG magmatism in eastern India and its constraints for the evolution	
Polychaete palaeoecology in an early Late Ordovician marine astrobleme of Swedenof the Singhbhum cratonEriksson, M. E. & Frisk, A. M.269–287Tait, J., Zimmermann, U., Miyazaki, T., Presnyakov, S., Chang, Q., Mukhopadhyay, J. & Sergeev, S.340)–347
Ontogeny of the Furongian (late Cambrian) remopleuridioid trilobite <i>Haniwa quadrata</i> Kobayashi, 1933 from Korea: implications for trilobite taxonomy	348
Park, TY. & Choi, D. K. 288–303 NEW PUBLICATIONS	349

This journal offers open access publishing through Cambridge Open Option. Please visit **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



