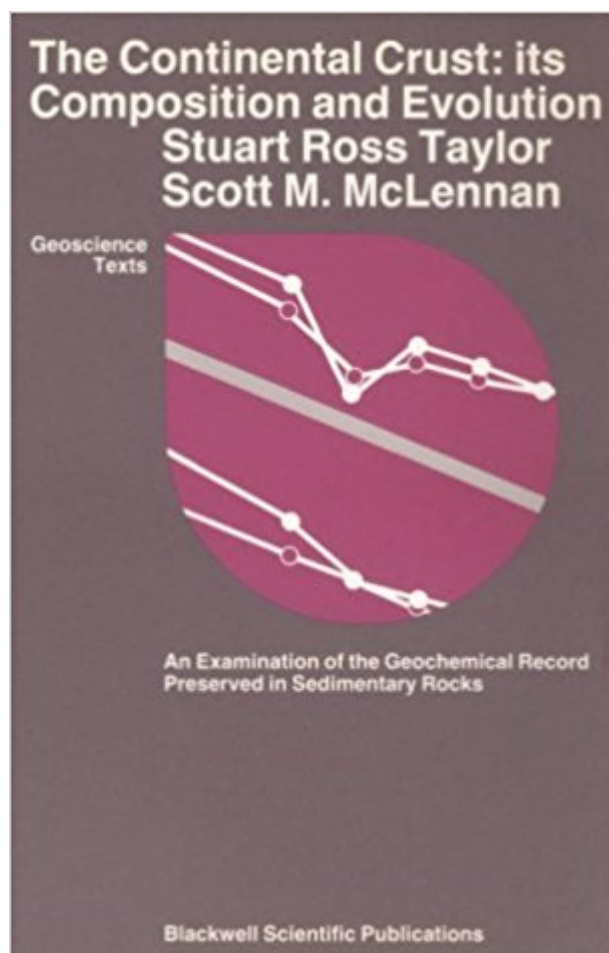


The book was found

The Continental Crust: Its Composition And Evolution: An Examination Of The Geochemical Record Preserved In Sedimentary Rocks



Synopsis

Graduates in geology, geochemistry and geophysics will find this volume in the Geoscience Texts series a valuable reference text. The book begins by describing the known composition of the present upper crust, then deals with possible compositions for the total crusts and the inferred composition of the lower crust. The question of the uniformity of crustal composition throughout geological time is discussed. The rate of growth of the crust through time is assessed, and the effects of the extraction of the crust on mantle compositions are considered. Finally, the question of early pre-geological crusts on the Earth is debated, and comparisons are given with crusts on the Moon, Mercury, Mars, Venus and the Galilean Satellites.

Book Information

Paperback: 312 pages

Publisher: Blackwell Scientific Publications (January 15, 1991)

Language: English

ISBN-10: 0632011483

ISBN-13: 978-0632011483

Product Dimensions: 6.1 x 0.7 x 9 inches

Shipping Weight: 1.4 pounds

Average Customer Review: 4.6 out of 5 stars 2 customer reviews

Best Sellers Rank: #3,707,972 in Books (See Top 100 in Books) #61 in Books > Science & Math > Earth Sciences > Geology > Structural #882 in Books > Science & Math > Earth Sciences > Geophysics #7334 in Books > Textbooks > Science & Mathematics > Earth Sciences

Customer Reviews

Graduates in geology, geochemistry and geophysics will find this volume in the Geoscience Texts series a valuable reference text. The book begins by describing the known composition of the present upper crust, then deals with possible compositions for the total crusts and the inferred composition of the lower crust. The question of the uniformity of crustal composition throughout geological time is discussed. The rate of growth of the crust through time is assessed, and the effects of the extraction of the crust on mantle compositions are considered. Finally, the question of early pre-geological crusts on the

The Continental Crust: its Composition and Evolution is a 1985 dated book. I was particularly interested by the chapter dealing with the "Archean Crust" and the discussion about the basement

of greenstone belts, and the emergence of new continents. Because it is a 300 pages book, I have not read all the book but it seems to be very interesting. It is worth of its low cost.

This work centers on the evolution of the Earth from a geochemical perspective. For instance, the inferred composition of the Archean crust is given. The authors compare their crustal-growth curves with those of several other authors. Owing to its repeated comprehensive listing of the REEs, the title of this book could as well be "The Rare Earth Elements in Earth History and in Present-Day Earth Materials". Tabulation of the REEs, and other trace elements, is given for: the upper continental crust (p. 46), bulk continental crust (p. 67), inferred lower continental crust (p. 92), oceanic crust (p. 274), etc. There is also data on the average REE contents of common igneous and metamorphic minerals (pp. 35-37), greywackes (p. 126), shales, etc.

[Download to continue reading...](#)

The Continental Crust: Its Composition and Evolution: An Examination of the Geochemical Record Preserved in Sedimentary Rocks Sedimentary Geology: An Introduction to Sedimentary Rocks and Stratigraphy How to Prepare for the GRE: Graduate Record Examination with CDROM (Barron's How to Prepare for the Gre Graduate Record Examination) The Wonders of the Colorado Desert (Southern California), Vol. 1 of 2: Its Rivers and Its Mountains, Its Canyons and Its Springs, Its Life and Its ... Journey Made Down the Overflow of the Colo Montana & Idaho's Continental Divide Trail: The Official Guide (The Continental Divide Trail Series) Metamorphic, Igneous and Sedimentary Rocks : Sorting Them Out - Geology for Kids | Children's Earth Sciences Books Sulfidic Sediments and Sedimentary Rocks, Volume 65 (Developments in Sedimentology) Sedimentary Rocks in the Field: A Practical Guide Origin of Carbonate Sedimentary Rocks (Wiley Works) Petrology of Sedimentary Rocks Rivers and Floodplains: Forms, Processes, and Sedimentary Record Distal Impact Ejecta Layers: A Record of Large Impacts in Sedimentary Deposits (Impact Studies) Symbolism, Its Origins and Its Consequences (Art, Literature and Music in Symbolism, Its Origins and Its) Avian Evolution: The Fossil Record of Birds and its Paleobiological Significance (TOPA Topics in Paleobiology) A Precautionary Tale: How One Small Town Banned Pesticides, Preserved Its Food Heritage, and Inspired a Movement Geochemical and Biogeochemical Reaction Modeling Radon: A Tracer for Geological, Geophysical and Geochemical Studies (Springer Geochemistry) Global Environment: Water, Air, and Geochemical Cycles, Second Edition Geochemical Kinetics Rocks & Minerals of Washington and Oregon: A Field Guide to the Evergreen and Beaver States (Rocks & Minerals Identification Guides)

Contact Us

DMCA

Privacy

FAQ & Help