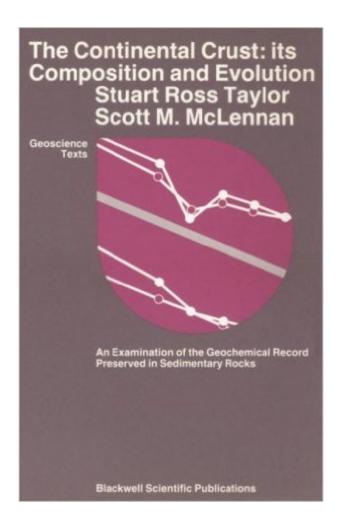
The book was found

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: 4.5 out of 5 stars Â See all reviews (2 customer reviews)

Best Sellers Rank: #3,469,207 in Books (See Top 100 in Books) #52 in Books > Science & Math > Earth Sciences > Geology > Structural #888 in Books > Science & Math > Earth Sciences >

Geophysics #7295 in Books > Textbooks > Science & Mathematics > Earth Sciences

Customer Reviews

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.

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.

Download to continue reading...

The Continental Crust: Its Composition and Evolution: An Examination of the Geochemical Record Preserved in Sedimentary Rocks Rise and Fall of San Diego: 150 Million Years of History Recorded in Sedimentary Rocks Rise and Fall of San Diego: 150 Million Years of History Recorded in Sedimentary Rocks (Sunbelt Natural History Guides) Encyclopedia of Sediments and Sedimentary Rocks (Encyclopedia of Earth Sciences Series) Sedimentary Rocks in the Field: A Practical Guide Origin of Carbonate Sedimentary Rocks (Wiley Works) Training Manual for Delineation of the Outer Limits of the Continental Shelf Beyond 200 Nautical Miles for Preparation of Submissions to the Commission on the Limits of the Continental Shelf Rocks and Minerals - A Guide to Minerals, Gems, and Rocks (Golden Nature Guides) Refining Composition Skills: Academic Writing and Grammar (Developing / Refining Composition Skills Series) The Composition of Everyday Life. Concise (The Composition of Everyday Life Series) Rivers and Floodplains: Forms, Processes, and Sedimentary Record Avian Evolution: The Fossil Record of Birds and its Paleobiological Significance (TOPA Topics in Paleobiology) CLEP College Composition Exam Secrets Study Guide: CLEP Test Review for the College Level Examination Program (Mometrix Secrets Study Guides) The Earth's Mantle: Composition, Structure, and Evolution Geochemical Modeling of Groundwater, Vadose and Geothermal Systems (Multiphysics Modeling) Tracking Environmental Change Using Lake Sediments: Volume 2: Physical and Geochemical Methods (Developments in Paleoenvironmental Research) Global Environment: Water, Air, and Geochemical Cycles Encyclopedia of Counseling: Master Review and Tutorial for the National Counselor Examination, State Counseling Exams, and the Counselor Preparation Comprehensive Examination Bates' Guide to Physical Examination and History-Taking (Bates Guide to Physical Examination and History Taking) Bates' Guide to Physical Examination and History-Taking 11th Edition TestBank: Test Bank with Rationales for the book Bates' Guide to Physical Examination and History-Taking

<u>Dmca</u>