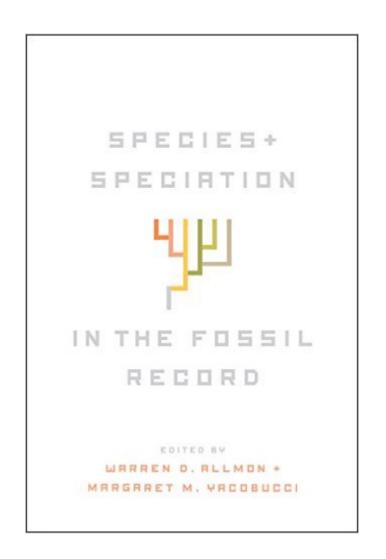
The book was found

Species And Speciation In The Fossil Record





Synopsis

Although the species is one of the fundamental units of biological classification, there is remarkably little consensus among biologists about what defines a species, even within distinct sub-disciplines. The literature of paleobiology, in particular, is littered with qualifiers and cautions about applying the term to the fossil record or equating such species with those recognized among living organisms. In Species and Speciation in the Fossil Record, experts in the field examine how they conceive of species of fossil animals and consider the implications these different approaches have for thinking about species in the context of macroevolution. After outlining views of the Modern Synthesis of evolutionary disciplines and detailing the development within paleobiology of quantitative methods for documenting and analyzing variation within fossil assemblages, contributors explore the challenges of recognizing and defining species from fossil specimensâ "and offer potential solutions. Addressing both the tempo and mode of speciation over time, they show how with careful interpretation and a clear species concept, fossil species may be sufficiently robust for meaningful paleobiological analyses. Indeed, they demonstrate that the species concept, if more refined, could unearth a wealth of information about the interplay between species origins and extinctions, between local and global climate change, and greatly deepen our understanding of the evolution of life.

Book Information

Hardcover: 384 pages Publisher: University Of Chicago Press (October 5, 2016) Language: English ISBN-10: 022637744X ISBN-13: 978-0226377445 Product Dimensions: 6 x 1.3 x 9 inches Shipping Weight: 1.2 pounds (View shipping rates and policies) Average Customer Review: Be the first to review this item Best Sellers Rank: #1,026,559 in Books (See Top 100 in Books) #43 in Books > Science & Math > Biological Sciences > Taxonomic Classification #458 in Books > Science & Math > Biological Sciences > Paleontology #4863 in Books > Science & Math > Evolution

Download to continue reading...

Species and Speciation in the Fossil Record New Approaches to Speciation in the Fossil Record Endless Forms: Species and Speciation (Linguistics, and Culture) Cephalopods of the World: An Annotated and Illustraded Catalogue of Cephalopod Species Known to Date (FAO Species Catalogue for Fisheries Purposes) Species: A History of the Idea (Species and Systematics) Written in Stone: Evolution, the Fossil Record, and Our Place in Nature Introduction to Paleobiology and the Fossil Record Prehistoric Life: Evolution and the Fossil Record Planet Ocean: A Story of Life, the Sea, and Dancing to the Fossil Record Avian Evolution: The Fossil Record of Birds and its Paleobiological Significance (TOPA Topics in Paleobiology) The Human Fossil Record, Craniodental Morphology of Early Hominids (Genera Australopithecus, Paranthropus, Orrorin), and Overview (Volume 4) Rereading the Fossil Record: The Growth of Paleobiology as an Evolutionary Discipline The Human Fossil Record, Brain Endocasts: The Paleoneurological Evidence, Volume 3 Plant Speciation El Super Deportista Cientifico / Sports Science: Anota, gana y rompe un record en tu deporte favorito/ Note, gain and break the record of your favorite sport (Spanish Edition) Goldmine Record Albums Price Guide (Goldmine Record Album Price Guide) Off the Record (The Record Series Book 1) For the Record (The Record Series Book 3) On the Record (The Record Series Book 2) Paleontology and Geology of Laetoli: Human Evolution in Context: Volume 2: Fossil Hominins and the Associated Fauna (Vertebrate Paleobiology and Paleoanthropology)

<u>Dmca</u>