1. Record Nr. UNINA9910789449303321

Autore	McGhee George R
Titolo	When the invasion of land failed : the legacy of the Devonian extinctions / / George R. McGhee, Jr
Pubbl/distr/stampa	New York : , : Columbia University Press, , 2013
ISBN	0-231-53636-4
Descrizione fisica	1 online resource (345 p.)
Collana	The Critical Moments and Perspectives in Earth History and Paleobiology
Disciplina	560.174
Soggetti	Extinction (Biology) Paleontology - Devonian
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front matter -- Contents -- Preface -- CHAPTER 1. The Evolution of Life on Land -- CHAPTER 2. The Plants Establish a Beachhead -- CHAPTER 3. The First Animal Invasion -- CHAPTER 4. The First Catastrophe and Retreat -- CHAPTER 5. The Second Animal Invasion -- CHAPTER 6. The Second Catastrophe and Retreat -- CHAPTER 7. Victory at Last -- CHAPTER 8. The Legacy of the Devonian Extinctions -- Notes -- References -- Index
Sommario/riassunto	The invasion of land by ocean-dwelling plants and animals was one of the most revolutionary events in the evolution of life on Earth, yet the animal invasion almost failed-twice-because of the twin mass extinctions of the Late Devonian Epoch. Some 359 to 375 million years ago, these catastrophic events dealt our ancestors a blow that almost drove them back into the sea. If those extinctions had been just a bit more severe, spiders and insects-instead of vertebrates-might have become the ecologically dominant forms of animal life on land. This book examines the profound evolutionary consequences of the Late Devonian extinctions and the various theories proposed to explain their occurrence. Only one group of four-limbed vertebrates exists on Earth, while other tetrapod-like fishes are extinct. This gap is why the idea of "fish with feet" seems so peculiar to us, yet such animals were once a vital part of our world, and if the Devonian extinctions had not happened, members of these species, like the famous Acanthostega

	and Ichthyostega, might have continued to live in our rivers and lakes. Synthesizing decades of research and including a wealth of new discoveries, this accessible, comprehensive text explores the causes of the Devonian extinctions, the reasons vertebrates were so severely affected, and the potential evolution of the modern world if the extinctions had never taken place.

2.

Record Nr.	UNINA9910895567803321
Titolo	Annual report of SHIP / Schiff, Schleswig-Holsteinisches Institut fur Friedenswissenschaften an der Christian-Albrechts-Universitat Kiel
Pubbl/distr/stampa	Kiel, 2001-
Descrizione fisica	Online-Ressource
Disciplina	320
Soggetti	Bericht Zeitschrift
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Gesehen am 17.09.13