

1. Record Nr.	UNINA9910789569603321
Titolo	The major transitions in evolution revisited // edited by Brett Calcott and Kim Sterelny
Pubbl/distr/stampa	Cambridge, Mass., : MIT Press, ©2011
ISBN	1-283-11918-8 9786613119186 0-262-29570-9
Descrizione fisica	1 online resource (330 p.)
Collana	Vienna series in theoretical biology
Altri autori (Persone)	CalcottBrett SterelnyKim SzathmaryEors
Disciplina	576.8
Soggetti	Evolution (Biology) Biodiversity Genetic transformation Population genetics
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	Introduction : a dynamic view of evolution / Brett Calcott and Kim Sterelny -- The miscellaneous transitions in evolution / Daniel W. McShea and Carl Simpson -- Alternative patterns of explanation for major transitions / Brett Calcott -- Biological ontogeny and hierarchical organization : a defense of rank freedom / Samir Okasha -- Darwinian populations and transitions in individuality / Peter Godfrey-Smith -- Evolvability reconsidered / Kim Sterelny -- To be or not to be : where is self-preservation in evolutionary theory? / Pamela Lyon -- The evolution of restraint in structured populations : setting the stage for an egalitarian major transition / Benjamin Kerr and Joshua Nahum -- Conflicts among levels of selection as fuel for the evolution of individuality / Paul B. Rainey and Benjamin Kerr -- Evolutionary transitions in individuality : multicellularity and sex / Richard E. Michod -- How many levels are there? : how insights from evolutionary transitions in individuality help measure the hierarchical complexity of life / Carl Simpson -- Plant individuality and multilevel selection theory

/ Ellen Clarke -- Phylogenetic, functional, and geological perspectives on complex multicellularity / Andrew H. Knoll and David Hewitt -- The small picture approach to the big picture : using DNA sequences to investigate the diversification of animal body plans / Lindell Bromham -- Concluding remarks / Eors Szathmary and Chrisantha Fernando.

Sommario/riassunto

In 1995, John Maynard Smith and Eors Szathmary published their influential book 'The Major Transitions in Evolution'. In this volume, scholars reconsider and extend the earlier book's themes in light of recent developments in evolutionary biology.
