1. Record Nr. UNINA9910790072903321

Titolo	Ecological networks [[electronic resource]] : linking structure to dynamics in food webs / / editors, Mercedes Pascual, Jennifer A. Dunne
Pubbl/distr/stampa	Oxford ; ; New York, : Oxford University Press, 2006
ISBN	0-19-770077-2 0-19-988491-9 1-283-11343-0 9786613113436 0-19-977505-2
Descrizione fisica	1 online resource (405 p.)
Collana	Santa Fe Institute studies in the sciences of complexity
Altri autori (Persone)	PascualMercedes DunneJennifer A
Disciplina	577/.16
Soggetti	Food chains (Ecology)
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	Cover; Contents; Preface; A. INTRODUCTION; B. STRUCTURE OF COMPLEX ECOLOGICAL NETWORKS; C. INTEGRATING ECOLOGICAL STRUCTURE AND DYNAMICS; D. ECOLOGICAL NETWORKS AS EVOLVING, ADAPTIVE SYSTEMS; E. STABILITY AND ROBUSTNESS OF ECOLOGICAL NETWORKS; F. CONCLUSIONS; Index
Sommario/riassunto	This book is based on proceedings from a February 2004 Santa Fe Institute workshop. Its contributing chapter authors treat the ecology of predator-prey interactions and food web theory, structure, and dynamics, joining researchers who also work on complex systems and on large nonlinear networks from the points of view of other sub-fields within ecology. Food webs play a central role in the debates on the role of complexity in stability, persistence, and resilience. Better empirical data and the exploding interest in the subject of networks across social, physical, and natural sciences prompted