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Titolo	Biological systematics [[electronic resource]] : principles and applications / / Randall T. Schuh, Andrew V.Z. Brower
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Edizione	[2nd ed.]
Descrizione fisica	1 online resource (325 p.)
Altri autori (Persone)	BrowerAndrew V. Z <1962-> (Andrew Van Zandt)
Disciplina	570.1/2
Soggetti	Biology Electronic books.
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 to systematics -- Systematics and the philosophy of science -- Characters and character states -- Character polarity and inferring homology -- Tree-building algorithms -- Evaluating results -- Nomenclature, classifications, and systematic databases -- Historical biogeography and host-parasite coevolution -- Ecology, adaptation, and evolutionary scenarios -- Biodiversity and conservation.
Sommario/riassunto	Biological Systematics: Principles and Applications draws equally from examples in botany and zoology to provide a modern account of cladistic principles and techniques. It is a core systematics textbook with a focus on parsimony-based approaches for students and biologists interested in systematics and comparative biology. Randall T. Schuh and Andrew V. Z. Brower cover: -the history and philosophy of systematics and nomenclature;-the mechanics and methods of analysis and evaluation of results;-the practical applications of results and wider relevance within biological classification, biogeography, adaptation and coevolution, biodiversity, and conservation; and-software applications.This new and thoroughly revised edition reflects the exponential growth in the use of DNA sequence data in systematics. New data techniques and a notable increase in the number of examples from molecular systematics will be of interest to students increasingly involved in molecular and genetic work.