1. Record Nr. UNINA9910461855303321

Titolo	Encyclopedia of theoretical ecology [[electronic resource] /] / edited by Alan Hastings, Louis J. Gross
Pubbl/distr/stampa	Berkeley, : University of California Press, 2012
ISBN	1-280-99791-5 1-78034-889-4 9786613769527 0-520-95178-6
Descrizione fisica	1 online resource (848 p.)
Collana	Encyclopedias of the natural world ; ; no. 4
Altri autori (Persone)	HastingsA <1953-> (Alan) GrossLouis J
Disciplina	577.03
Soggetti	Ecology 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	Front matter -- CONTENTS -- CONTENTS BY SUBJECT AREA -- CONTRIBUTORS -- GUIDE TO THE ENCYCLOPEDIA -- PREFACE -- Adaptive Behavior and Vigilance -- Adaptive Dynamics -- Adaptive Landscapes -- Age Structure -- Allee Effects -- Allometry and Growth -- Apparent Competition -- Applied Ecology -- Assembly Processes -- Bayesian Statistics -- Behavioral Ecology -- Belowground Processes -- Beverton-Holt Model -- Bifurcations -- Biogeochemistry and Nutrient Cycles -- Birth-Death Models -- Bottom-Up Control -- Branching Processes -- Cannibalism -- Cellular Automata -- Chaos -- Coevolution -- Compartment Models -- Computational Ecology -- Conservation Biology -- Continental Scale Patterns -- Cooperation, Evolution of -- Delay Differential Equations -- Demography -- Difference Equations -- Discounting in Bioeconomics -- Disease Dynamics -- Dispersal, Animal -- Dispersal, Evolution of -- Dispersal, Plant -- Diversity Measures -- Dynamic Programming -- Ecological Economics -- Ecosystem Ecology -- Ecosystem Engineers -- Ecosystem Services -- Ecosystem Valuation -- Ecotoxicology -- Energy Budgets
Sommario/riassunto	This major reference is an overview of the current state of theoretical

	ecology through a series of topical entries centered on both ecological and statistical themes. Coverage ranges across scales-from the physiological, to populations, landscapes, and ecosystems. Entries provide an introduction to broad fields such as Applied Ecology, Behavioral Ecology, Computational Ecology, Ecosystem Ecology, Epidemiology and Epidemic Modeling, Population Ecology, Spatial Ecology and Statistics in Ecology. Others provide greater specificity and depth, including discussions on the Allee effect, ordinary differential equations, and ecosystem services. Descriptions of modern statistical and modeling approaches and how they contributed to advances in theoretical ecology are also included. Succinct, uncompromising, and authoritative-a "must have" for those interested in the use of theory in the ecological sciences.

2.	Record Nr.	UNISA996464443303316
	Titolo	Machine learning and knowledge discovery in databases : European conference, ECML PKDD 2020, Ghent, Belgium, September 14-18, 2020 : proceedings, part III / / Frank Hutter [and three others] (editors)
	Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2021] ©2021
	ISBN	3-030-67664-1
	Descrizione fisica	1 online resource (783 pages)
	Collana	Lecture Notes in Computer Science ; ; 12459
	Disciplina	006.31
	Soggetti	Machine learning Data mining Data structures (Computer science)
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia

3. Record Nr. UNINA9910853988903321

Autore	Singh V. P (Vijay P.)
Titolo	Hydrological Processes Modelling and Data Analysis : A Primer / / by Vijay P. Singh, Rajendra Singh, Pranesh Kumar Paul, Deepak Singh Bisht, Srishti Gaur
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2024
ISBN	9789819713165 9819713161
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (298 pages)
Collana	Water Science and Technology Library, , 1872-4663 ; ; 127
Altri autori (Persone)	SinghRajendra PaulPranesh Kumar BishtDeepak Singh GaurSrishti
Disciplina	627
Soggetti	Hydraulic engineering Water Hydrology Climatology Hydraulic Engineering Climate Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Introduction -- Chapter 2. Data Availability and Acquisition -- Chapter 3. Time-Series Analysis -- Chapter 4. Remote Sensing Driven Data Analysis and Geographic Information Systems (GIS) -- Chapter 5. Climate Change Impact Analysis -- Chapter 6. Land Use Land Cover (LULC) Change Analysis -- Chapter 7. Integrated Modelling Systems -- Chapter 8. Extreme Event Analysis -- Chapter 9. Uncertainty Analysis -- Chapter 10. Machine Learning (ML) /Artificial Intelligence (AI) in Water Resources -- Chapter 11. Emerging Fields in Hydrology -- Chapter 12. Case Study of Examples -- Chapter 13. Way Forward -- Index.
Sommario/riassunto	This book provides a state-of-the-art overview of the concepts and methodologies of data and modelling-driven hydrological analyses and

their wide range of practical applications. The book is driven by the realisation that science, technology, engineering, and mathematics (STEM) concepts are essential in engineering hydrology to produce well-trained hydrologists. Such hydrologists will be equipped to face future societal challenges that require enhanced information and communication technology tools and integration of technical and non-technical areas. The book contains 12 chapters that introduce the principles of hydrological data analysis and highlight the current and emerging tools and techniques for analysing hydrologic data. The book describes the types of data typically used in hydrological analyses. It highlights the revolutionary technological advancements made toward hydrological data collection, including the use of drones and smartphones. The foremost objective of the book is to present the hydrological data analysis procedures. It explains the steps involved in data analysis for easy understanding of the reader, including students and professionals. This book presents case studies that demonstrate step-by-step procedures involved in typical analysis problems and may guide students and professionals in planning and executing steps to analyse the problem at hand. Case study examples will guide them to understand the intricacies of hydrological data analysis. It provides the readers with a complete package to enrich their understanding of the hydrological data analysis tools and techniques. Subsequently, as well-trained hydrologists, they could execute their learning to meet any specific grand challenge of the twenty-first century.