1. Record Nr. UNINA9910462882203321

Autore	Harrison Susan (Susan Patricia)
Titolo	Plant and animal endemism in California [[electronic resource] /] / Susan Harrison
Pubbl/distr/stampa	Berkeley, : University of California Press, 2013
ISBN	0-520-95473-4
Descrizione fisica	1 online resource (200 p.)
Disciplina	581.9794
Soggetti	Endemic plants - California Endemic animals - California Endemic plants - Ecology - California Endemic animals - Ecology - California Endemic plants - Conservation - California Endemic animals - Conservation - California 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 -- Preface and Acknowledgments -- Introduction -- 1. Biotic Uniqueness: An Overview -- 2. A Brief History of California -- 3. Plant Endemism in California: Patterns and Causes -- 4. Animal Endemism in California -- 5. Conservation Challenges in California's Endemic-Rich Landscape -- 6. Synthesis and Conclusions -- APPENDIX: Preliminary List of Plant Species Endemic to the California Floristic Province -- Literature Cited -- Index
Sommario/riassunto	California is globally renowned for its biological diversity, including its wealth of unique, or endemic, species. Many reasons have been cited to explain this abundance: the complex geology and topography of its landscape, the special powers of its Mediterranean-type climate, and the historic and modern barriers to the wider dispersal of its flora and fauna. Plant and Animal Endemism in California compiles and synthesizes a wealth of data on this singular subject, providing new and updated lists of native species, comparing patterns and causes of both plant and animal endemism, and interrogating the classic explanations proposed for the state's special significance in light of

	new molecular evidence. Susan Harrison also offers a summary of the innovative tools that have been developed and used in California to conserve and protect this stunning and imperiled diversity.

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Record Nr.	UNINA9910438028503321
Autore	Chui Charles K
Titolo	Applied Mathematics : Data Compression, Spectral Methods, Fourier Analysis, Wavelets, and Applications / / by Charles K. Chui, Qingtang Jiang
Pubbl/distr/stampa	Paris : , : Atlantis Press : , : Imprint : Atlantis Press, , 2013
ISBN	94-6239-009-6
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (567 p.)
Collana	Mathematics Textbooks for Science and Engineering, , 2213-087X ; ; 2
Disciplina	510
Soggetti	Mathematics Computer science - Mathematics Statistics Image processing - Digital techniques Computer vision Engineering design Applications of Mathematics Mathematical Applications in Computer Science Computer Imaging, Vision, Pattern Recognition and Graphics Engineering Design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Linear Spaces -- Linerar Analysis -- Spectral Methods and Applications -- Frequency-Domain Methods -- Data Compression -- Fourier Series -- Fourier Time-Frequency Methods -- Wavelet Transform and Filter Banks -- Compactly Supported Wavelets -- Wavelet Analysis.
Sommario/riassunto	This textbook, apart from introducing the basic aspects of applied mathematics, focuses on recent topics such as information data manipulation, information coding, data approximation, data

dimensionality reduction, data compression, time-frequency and time scale bases, image manipulation, and image noise removal. The methods treated in more detail include spectral representation and “frequency” of the data, providing valuable information for, e.g. data compression and noise removal. Furthermore, a special emphasis is also put on the concept of “wavelets” in connection with the “multi-scale” structure of data-sets. The presentation of the book is elementary and easily accessible, requiring only some knowledge of elementary linear algebra and calculus. All important concepts are illustrated with examples, and each section contains between 10 an 25 exercises. A teaching guide, depending on the level and discipline of instructions is included for classroom teaching and self-study.