

1. Record Nr.	UNINA9910451843203321
Titolo	Mechanisms of imitation and imitation in animals [[electronic resource] /] / edited by Susan Hurley and Nick Chater
Pubbl/distr/stampa	Cambridge, MA, : MIT Press, c2005
ISBN	0-262-27594-5 1-282-09752-0 9786612097522 1-4237-5020-9
Descrizione fisica	1 online resource (453 p.)
Collana	Perspectives on imitation: from neuroscience to social science ; ; 1
Altri autori (Persone)	HurleyS. L (Susan L.) ChaterNick
Disciplina	302
Soggetti	Imitation Learning in animals Social psychology 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 indexes.
Nota di contenuto	""Introduction: The Importance of Imitation""; ""1 The Mirror Neuron System and Imitation""; ""2 Understanding Others: Imitation, Language, and Empathy""; ""3 a€?a€?Being Like Mea€?a€?: Selfa€?Other Identity, Mirror Neurons, and Empathy Vittorio Gallese""; ""4 The Neurophysiology of Imitation and Intersubjectivity""; ""5 An Ideomotor Approach to Imitation""; ""6 Imitation by Association""; ""7 The Shared Circuits Hypothesis: A Unified Functional Architecture for Control, Imitation, and Simulation""; ""8 Commentary and Discussion on Mechanisms of Imitation"" ""9 Detecting, Understanding, and Explaining Imitation by Animals"" 10 Insights into Vocal Imitation in African Grey Parrots (Psittacus erithacus)""; ""11 Selective Imitation in Child and Chimpanzee: A Window on the Construal of Othersa€? Actions""; ""12 Commentary and Discussion on Imitation in Animals""; ""Bibliography""; ""Contributors""; ""Index to Volume 1""; ""Index to Volume 2""
Sommario/riassunto	A state-of-the-art view of imitation from leading researchers in

neuroscience and brain imaging, animal and developmental psychology, primatology, ethology, philosophy, anthropology, media studies, economics, sociology, education, and law. Leading researchers across a range of disciplines provide a state-of-the-art view of imitation, integrating the latest findings and theories with reviews of seminal work, and revealing why imitation is a topic of such intense current scientific interest.

2. Record Nr.	UNINA9910544873603321
Autore	Farina Almo
Titolo	Methods in Ecoacoustics : The Acoustic Complexity Indices // by Almo Farina, Peng Li
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
ISBN	3-030-82177-3
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (132 pages)
Collana	Frontiers in Ecoacoustics, , 2730-6550 ; ; 1
Disciplina	591.1914 577
Soggetti	Applied ecology Landscape ecology Biodiversity Ecology Freshwater ecology Marine ecology Applied Ecology Landscape Ecology Terrestrial Ecology Freshwater and Marine Ecology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. An introduction to Ecoacoustics -- Chapter 2. The Acoustic Complexity Indices (ACIs) -- Chapter 3. Introduction to the SonoScape, an open-source software application in MatLab® -- Chapter 4 -

This book represents an introduction to ecoacoustics theory, to the application of the Acoustic Complexity Indices (ACIs) to acoustic survey, and to the use of an innovative software to process acoustic data. It enables readers to comprehend the main principles that guide the recent development of ecoacoustics and offers a synthesis about the role of sound in the ecological research. Readers will be introduced to the use of the ACIs by a detailed description of the main algorithms recently formulated and on their correct application in the acoustic processing concurring to the creation of sonic information systems. Readers will also find a new dedicated software application, namely SonoScape, that is described in detail with its codes attached in the supplementary material in a completely visible format. The SonoScape is a performing software application operating in MatLab® and is enriched of several options to manage single and large collection of acoustics files. It vides the feasibility to process data at different temporal scale, using different combination of parameters, and to extract novel complexity measures such as entropy and fractal dimension of ecoacoustic events. It also offers functions to visualize the results using customized 3-D plots or ternary plots, intuitively demonstrating the patterns of ACIs based on the vast number of numerical results. Finally, this book provides several examples of case studies with the aim of better understanding the potentiality of ACIs and the power of SonoScape as multitasking software to approaching the complexity of the ecoacoustic investigation. Students and scholars in ecology, land managers and technicians may find an important tool to interpret the complex relationship between humans and natural processes when sounds are adopted as proxy.