

1. Record Nr.	UNINA9910557583503321
Autore	Sob Mojmir
Titolo	Computational Quantum Physics and Chemistry of Nanomaterials
Pubbl/distr/stampa	Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Institute, 2021
Descrizione fisica	1 online resource (198 p.)
Soggetti	Research & information: general
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>This Special Issue of Nanomaterials collects a series of original research articles providing new insight into the application of computational quantum physics and chemistry in research on nanomaterials. It illustrates the extension and diversity of the field and indicates some future directions. It provides the reader with an overall view of the latest prospects in this fast evolving and cross-disciplinary field</p>

2. Record Nr.	UNINA9910298296203321
Titolo	Social Recognition in Invertebrates : The Knowns and the Unknowns / / edited by Laura Aquiloni, Elena Tricarico
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-17599-8
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (277 p.)
 Disciplina	 570 577.82 591.5 591.7 592
Soggetti	Behavioral sciences Biotic communities Invertebrates Animal ecology Behavioral Sciences Community & Population Ecology Animal 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.
Nota di contenuto	Presentation of "Social recognition in invertebrates" -- Social recognition in invertebrates: an introduction for the readers -- Social recognition in annelids and the evolution of social recognition and cognitive abilities by sexual selection -- Individual recognition in stomatopods -- To what extent can freshwater crayfish recognise other crayfish? Social Recognition in Hermit Crabs -- Social behavior and recognition in decapod shrimps, with emphasis on the Caridea -- Social behavior in amphipods – an overview -- Social recognition in the Arachnida -- Visual recognition in social wasps -- Nestmate recognition in eusocial insects: The honeybee as a model system -- Ontogeny of nestmate recognition in social hymenoptera -- Communication and Social Regulation in Termites -- Recognition

mechanisms in the biparental burying beetle.

Sommario/riassunto

This book uses a wide range of case studies from different invertebrate taxa to describe the numerous forms of social recognition occurring in this large group of animals, and traces the evolution of this cognitive ability. The authors provide several examples of direct (i.e. the target of recognition is a conspecific) and indirect recognition (i.e. recognition of a reliable proxy rather than an individual, such as a den or a substrate), and discuss cases of familiar recognition (i.e. an animal remembers a conspecific but cannot tell what class it comes from or recognize its identity). Class-level recognition (i.e. an animal assigns a conspecific to an appropriate class of animals), and true individual recognition (i.e. an animal both identifies and recognizes a conspecific on an individual basis) are also addressed.