1. Record Nr. UNINA9910788206003321

Titolo	Starfish [[electronic resource]] : biology and ecology of the Asteroidea / / edited by John M. Lawrence
Pubbl/distr/stampa	Baltimore, : Johns Hopkins University Press, 2013
ISBN	1-4214-1045-1
Descrizione fisica	1 online resource (288 p.)
Altri autori (Persone)	LawrenceJohn M
Disciplina	593.9/3
Soggetti	Starfishes Echinodermata
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 (p. [215]-269) and index.
Nota di contenuto	""Cover""; ""Contents""; ""Contributors""; ""Preface""; ""PART I: COMPARATIVE BIOLOGY AND ECOLOGY""; ""1 Phylogeny of the Asteroidea""; ""2 The Asteroid Arm""; ""3 Functional Biology of Asteroid Tube Feet""; ""4 Reproduction in Asteroidea""; ""5 Asteroid Evolutionary Developmental Biology and Ecology""; ""6 Larval Ecology, Settlement, and Recruitment of Asteroids""; ""7 Ecological Role of Sea Stars from Populations to Meta-ecosystems""; ""8 Chemistry and Ecological Role of Starfish Secondary Metabolites""; ""9 Steroids in Asteroidea""; ""PART II: INTEGRATIVE BIOLOGY""; ""10 Astropecten"" ""11 Luidia""""12 Odontaster validus""; ""13 Acanthaster planci""; ""14 Oreaster reticulatus""; ""15 Heliaster helianthus""; ""16 Pisaster ochraceus""; ""17 Asterias amurensis""; ""18 Leptasterias polaris""; ""19 Coscinasterias""; ""20 Echinaster""; ""References""; ""Index""; ""A""; ""B""; ""C""; ""D""; ""E""; ""F""; ""G""; ""H""; ""I""; ""J""; ""K""; ""L""; ""M""; ""N""; ""O""; ""P""; ""R""; ""S""; ""T""; ""U""; ""V""; ""W""; ""X""; ""Z""
Sommario/riassunto	"Among the most fascinating animals in the world's oceans are the more than 2,000 species of starfish. Called "Asteroids" by scientists who study them (after their taxonomic name, Asteroidea)--or sea stars in some parts of the world--starfish are easily recognized because of their star-like form. Starfish is a comprehensive volume devoted to the integrative and comparative biology and ecology of starfish. Written by the world's leading experts on starfish, the integrative section covers topics such as reproduction, developmental biology and ecology, larval

ecology, and the ecological role of starfish as a group. The comparative section considers the biology and ecology of important species such as Acanthaster planci, Heliaster helianthoides, Asterias amurensis, and Pisaster ochraceus. Replete with detailed, scientifically accurate illustrations and the latest research findings, Starfish examines the important role of these invertebrates in the marine environment, a topic of great interest because of their impact on the food web. As major predators that are able to evert their stomach and wrap it around their prey, starfish can have a significant impact on commercial fisheries. Starfish are of interest not only to echinoderm specialists but also to marine biologists and invertebrate zoologists in general and, increasingly, to the medical community. A starfish's ability to regenerate body parts is almost unequalled in the animal world, making them ideal models for basic science studies on the topic."--Publisher's website.