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Titolo	Ecology, Systematics, and the Natural History of Predaceous Diving Beetles (Coleoptera: Dytiscidae) // edited by Donald A. Yee
Pubbl/distr/stampa	Dordrecht : , : Springer Netherlands : , : Imprint : Springer, , 2014
ISBN	94-017-9109-0
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (484 p.)
Disciplina	595.762
Soggetti	Entomology Biodiversity Evolutionary biology Animal physiology Aquatic ecology Evolutionary Biology Animal Physiology Freshwater & Marine 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 at the end of each chapters and index.
Nota di contenuto	Introduction -- Systematics of adult dytiscids -- Systematics of larval dytiscids -- Reproduction and sexual conflict -- Anatomy and Physiology -- Chemical ecology -- Communities -- Predation: effects on prey -- Predation: effects on dytiscids including intraguild predation -- Habitats -- Dispersal -- Conservation.
Sommario/riassunto	This comprehensive book provides one of the most complete overviews of the aquatic beetles in the family Dytiscidae, also known as predaceous diving beetles. Dytiscids constitute one of the largest families of freshwater insects with approximately 4,200 named species that come in a variety of sizes, colors, and habitat affinities. Although dytiscid adults and larvae are ubiquitous throughout a variety of aquatic habitats, and are important predators on other aquatic invertebrates and vertebrates, there are no compilations that have focused on summarizing the knowledge on aspects of their ecology, systematics, and biology. Chapters in this book summarize hitherto

scattered topics, including their anatomy and habitats, chemical and community ecology, phylogenies and larval morphology including chaetotaxy, sexual systems, predation, dispersal, conservation, and cultural and historical aspects. This knowledge is potentially beneficial to anyone working in aquatic systems where dytiscids are an important part of the food web. Moreover, readers will gain a greater appreciation of dytiscids as model organisms for investigations of fundamental principles derived from ecological and evolutionary theory. Contributed chapters are by authors who are actively engaged in studying dytiscids, and each chapter provides color photos and future directions for research. .
