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| Autore | Jacobs David Steve |
| Titolo | Predator-prey Interactions: Co-evolution between Bats and Their Prey / / by David Steve Jacobs, Anna Bastian |
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| Edizione | [1st ed. 2016.] |
| Descrizione fisica | 1 online resource (141 pages) : illustrations |
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| Soggetti | Animal physiology<br>Evolutionary biology<br>Animal ecology<br>Animal Physiology<br>Evolutionary Biology<br>Animal Ecology |
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| Livello bibliografico | Monografia |
| Nota di bibliografia | Includes bibliographical references and indexes. |
| Nota di contenuto | Chapter 1: An introduction to evolution and co-evolution -- Chapter 2: Bat echolocation: Adaptations for prey detection and capture -- Chapter 3: Non-auditory defenses of prey against bat predation -- Chapter 4: Passive and active acoustic defenses of prey against bat predation -- Chapter 5: Eavesdropping on mating calls: Have bats and frogs co-evolved? -- Chapter 6: Aerial warfare: Have bats and moths co-evolved? -- Chapter 7: Co-evolution: What is there left to learn?. . |
| Sommario/riassunto | This book provides a comprehensive review of the evolution of traits associated with predation and predator defense for bats and all of their prey, both invertebrates (e.g. insects) and vertebrates (e.g. frogs), in the context of co-evolution. It reviews current knowledge of how echolocation and passive hearing are used by bats to hunt prey in complete darkness. Also it highlights how prey have evolved counter measures to bat echolocation to avoid detection and capture. This includes the whole range of prey responses from being active at times when bats are inactive to the use of acoustic signals of their own to interfere with the echolocation system of bats. |