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Autore	Krasnov Boris R. <1950->
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Descrizione fisica	1 online resource (xiii, 593 pages) : digital, PDF file(s)
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Soggetti	Fleas - Ecology Fleas - Evolution Host-parasite relationships
Lingua di pubblicazione	Inglese
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Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references (p. 466-582) and index.
Nota di contenuto	Composition of the order -- Hosts of Siphonaptera -- Geographical distribution of fleas -- Origin and evolution of fleas -- Life cycles -- Fleas and humanity -- Ecology of sexual dimorphism, gender differences and sex ratio -- Ecology of flea locomotion -- Ecology of host selection -- Ecology of haematophagy -- Ecology of reproduction and pre-imaginal development -- Ecology of flea virulence -- Ecology of host defence -- Ecology and evolution of host specificity -- Ecology of flea populations -- Ecology of flea communities -- Patterns of flea diversity -- Fleas, hosts, habitats -- What further efforts are needed?
Sommario/riassunto	Fleas are one of the most interesting and fascinating taxa of ectoparasites. All species in this relatively small order are obligatory haematophagous (blood-feeding) parasites of higher vertebrates. This

book examines how functional, ecological and evolutionary patterns and processes of host-parasite relationships are realized in this particular system. As such it provides an in-depth case study of a host-parasite system, demonstrating how fleas can be used as a model taxon for testing ecological and evolutionary hypotheses. The book moves from basic descriptive aspects, to functional issues and finally to evolutionary explanations. It extracts several general principles that apply equally well to other host-parasite systems, so it appeals not only to flea biologists but also to 'mainstream' parasitologists and ecologists.
