1. Record Nr. UNINA9910822712703321 Functional and evolutionary ecology of bats / / edited by Akbar Zubaid, **Titolo** Gary F. McCracken, and Thomas H. Kunz Pubbl/distr/stampa New York, New York:,: Oxford University Press,, 2006 ©2006 **ISBN** 0-19-770114-0 1-280-50222-3 1-4237-6146-4 0-19-803524-1 1-4337-0061-1 Descrizione fisica 1 online resource (359 p.) Disciplina 599.4/17 Soggetti Bats - Ecology Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia "This volume is the outgrowth of three symposia that were convened at Note generali the 12th International Bat Research Conference, hosted by the Universiti Kebangsaan Malaysia from August 5 to 9, 2001, held in Kuala Lumpur, Malaysia"--Preface. Nota di bibliografia Includes bibliographical references at the end of each chapters and indexes. Nota di contenuto Contents; Contributors; PART I: Physiological Ecology; 1 Energetics, Thermal Biology, and Torpor in Australian Bats; 2 Temperature. Hibernation Energetics, and the Cave and Continental Distributions of Little Brown Myotis; 3 Daily Heterothermy by Temperate Bats Using Natural Roosts; 4 Exploring the Evolution of the Basal Metabolic Rate in Bats; 5 Quantifying Relationships between Form and Function and the Geometry of the Wear Process in Bat Molars; 6 Dynamic Complexity of Wing Form in Bats: Implications for Flight Performance 7 Performance Analysis as a Tool for Understanding the Ecological Morphology of Flower-Visiting Bats8 Quadrupedal Bats: Form, Function, and Evolution; 9 The Correlated Evolution of Cranial Morphology and Feeding Behavior in New World Fruit Bats; PART III: Roosting Ecology and Population Biology; 10 Social and Population Structure in the Brown Long-Eared Bat, Plecotus auritus; 11 Relatedness, Life History, and Social Behavior in the Long-Lived Bechstein's Bat, Myotis bechsteinii; 12 Causes and Consequences of Genetic Structure in the Greater Horseshoe Bat, Rhinolophus ferrumequinum 13 Population Genetic Structure of Very Large Populations: The Brazilian Free-Tailed Bat, Tadarida brasiliensis14 Evolutionary Dynamics of the Short-Nosed Fruit Bat, Cynopterus sphinx (Pteropodidae): Inferences from the Spatial Scale of Genetic and Phenotypic Differentiation; 15 Conflicts and Strategies in the Harem-Polygynous Mating System of the Sac-Winged Bat, Saccopteryx bilineata; 16 Flexibility and Specificity in the Roosting Ecology of the Lesser Long-Eared Bat, Nyctophilus geoffroyi: A Common and Widespread Australian Species 17 Causes and Consequences of Tree-Cavity Roosting in a Temperate

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Sommario/riassunto

Every three years a major international conference on bats draws the leading workers in the field to a carefully orchestrated presentation of the research and advances and the state of understanding of bat biology. Virtually all mammologists and a large proportion of organismic biologists are interested in bats.