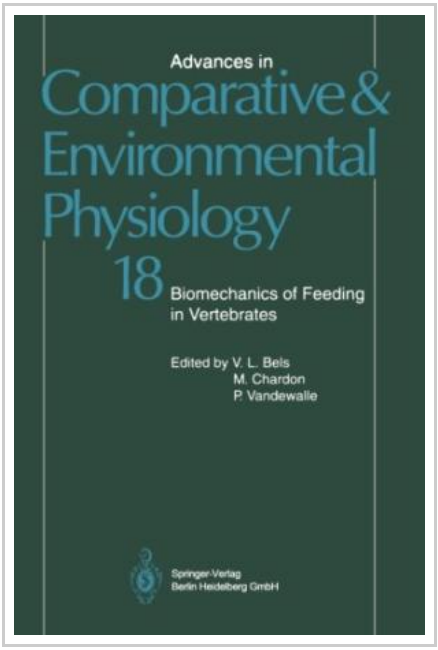

Advances in Comparative and Environmental Physiology

By Bels, V. L. / Chardon, M.

Book Condition: New. Publisher/Verlag: Springer, Berlin | Although feeding is not yet been thoroughly studied in many vertebrates taxa, and different conceptual and methodological approaches of the concerned scientists make a synthesis difficult, the aim of the editors is to provide a comprehensive overview of the feeding design in aquatic and terrestrial vertebrates with a detailed description of its functional properties. The book emphasizes the constant interaction between function and form, behaviour and morphology in the course of evolution of the feeding apparatus and way of feeding both complementary and basically related to survival interspecific competition, adaptation to environmental changes and adaptive radiations. Special stress is drawn onquantification of the observational and experimental data on the morphology and biomechanics of the feeding design and its element jaws, teeth, hyoidean apparatus, tongue, in order to allow present and further comparisons in an evolutionary perspective. | 1 Functional Properties of the Feeding Musculature.- 1 Introduction.- 2 Functional Properties of Individual Muscle Fibers.- 3 Fiber Types and Contractile Properties in Vertebrate Feeding Muscles.- References.- 2 Feeding Mechanisms in Sharks and Other Elasmobranchs T.H Frazzetta.- 1 Chondrichthyian Fishes.- 2 Elasmobranchs.- 3 The Shark Jaw Apparatus.- 4 Feeding behavior.- 5 Morphomechanics and function.- 6 Other...

Reviews

The publication is not difficult in study preferable to fully grasp. It really is rally intriguing throgh looking at period of time. I found out this pdf from my dad and i advised this ebook to find out.

-- ***Fabiola Hilpert***

This book is so gripping and fascinating. Of course, it is actually perform, still an interesting and amazing literature. You will not feel monotony at anytime of your respective time (that's what catalogs are for about in the event you request me).

-- ***Prof. Ophelia Wiegand I***