Biology of the Prokaryotes

From Wiley-Blackwell
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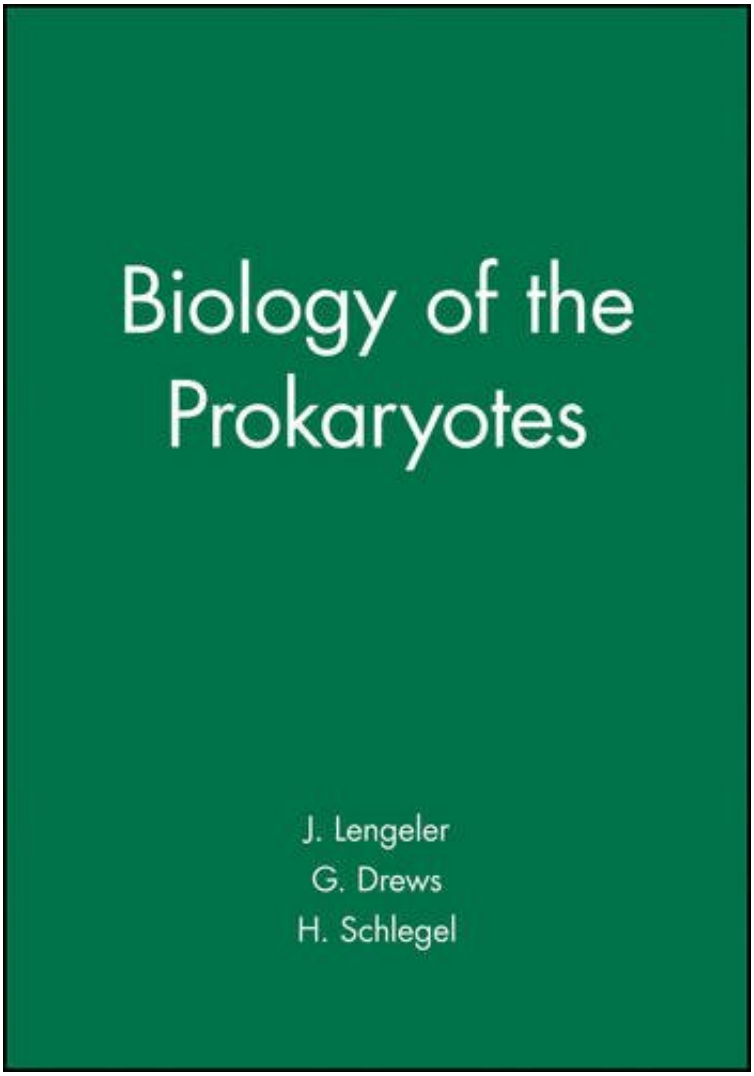

#1963766 in Books 1999-02-03Ingredients: Example IngredientsOriginal language:EnglishPDF # 1 9.65 x 1.83 x 8.03l, #File Name: 0632053577984 pages | File size: 19.Mb

From Wiley-Blackwell : Biology of the Prokaryotes before purchasing it in order to gage whether or not it would be worth my time, and all praised Biology of the Prokaryotes:

14 of 14 people found the following review helpful. If you like prokaryotes: go and get it!By A CustomerThe best microbiology book I've ever read (I haven't finished yet but it's still fun). I think it is the most up to date textbook in microbiology. It covers both biochemical and signal transduction pathways/networks in prokaryotes as well as principles in systematics and short introductions to medical microbiology and biotechnology. At the end of every chapter the various authors provide references to essential papers and reviews (instead to other books, like in Brocks Biology of Microorganisms) to start getting familiar with journals. The graphics are done with less colours but are

very professional and as "easy" to understand as the topic they are representing (chemotaxis is not as easy as described in the stryer or brock). Maybe it's too much to read for undergraduates, but very useful for graduate students.

Designed as an upper-level textbook and a reference for researchers, this important book concentrates on central concepts of the bacterial lifestyle. Taking a refreshingly new approach, it present an integrated view of the prokaryotic cell as an organism and as a member of an interacting population. Beginning with a description of cellular structures, the text proceeds through metabolic pathways and metabolic reactions to the genes and regulatory mechanisms. At a higher level of complexity, a discussion of cell differentiation processes is followed by a description of the diversity of prokaryotes and their role in the biosphere. A closing section deals with man and microbes (ie, applied microbiology).The first text to adopt an integrated view of the prokaryotic cell as an organism and as a member of a population. Vividly illustrates the diversity of the prokaryotic world - nearly all the metabolic diversity in living organisms is found in microbes. New developments in applied microbiology highlighted. Extensive linking between related topics allows easy navigation through the book. Essential definitions and conclusions highlighted. Supplementary information in boxes.