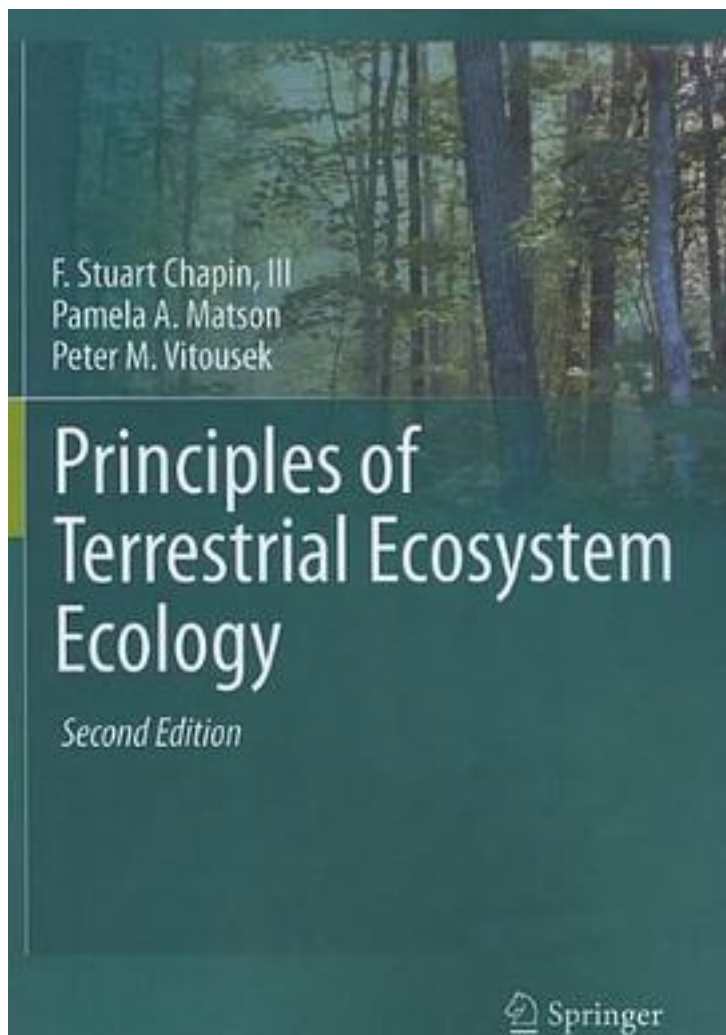


Principles of Terrestrial Ecosystem Ecology



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Humans have directly modified half of the ice-free terrestrial surface and use 40% of

terrestrial production. We are causing the sixth major extinction event in the history of life on Earth. With the Earth's climate, flora, and fauna changing rapidly, there is a pressing need to understand terrestrial ecosystem processes and their sensitivity to environmental and biotic changes. This book offers a framework to do just that.

Ecosystem ecology regards living organisms, including people, and the elements of their environment as components of a single integrated system. The comprehensive coverage in this textbook examines the central processes at work in terrestrial ecosystems, including their freshwater components. It traces the flow of energy, water, carbon, and nutrients from their abiotic origins to their cycles through plants, animals, and decomposer organisms. As well as detailing the processes themselves, the book goes further to integrate them at various scales of magnitude—those of the ecosystem, the wider landscape and the globe. It synthesizes recent advances in ecology with established and emerging ecosystem theory to offer a wide-ranging survey of ecosystem patterns and processes in our terrestrial environment.

Featuring review questions at the end of each chapter, suggestions for further reading, and a glossary of ecological terms, *Principles of Terrestrial Ecosystem Ecology* is a vitally relevant text suitable for study in all courses in ecosystem ecology. Resource managers and researchers in many fields will welcome its thorough presentation of ecosystem essentials.

作者介绍:

目录: Front Matter....	Pages i-xv
Front Matter....	Pages 1-1
The Ecosystem Concept....	Pages 3-22
Earth's Climate System....	Pages 23-62
Geology, Soils, and Sediments....	Pages 63-90
Front Matter....	Pages 91-91
Water and Energy Balance....	Pages 93-122
Carbon Inputs to Ecosystems....	Pages 123-156
Plant Carbon Budgets....	Pages 157-181
Decomposition and Ecosystem Carbon Budgets....	Pages 183-228
Plant Nutrient Use....	Pages 229-258
Nutrient Cycling....	Pages 259-296
Trophic Dynamics....	Pages 297-320
Species Effects on Ecosystem Processes....	Pages 321-336
Front Matter....	Pages 337-337
Temporal Dynamics....	Pages 339-367
Landscape Heterogeneity and Ecosystem Dynamics....	Pages 369-397
Front Matter....	Pages 399-399
Changes in the Earth System....	Pages 401-422
Managing and Sustaining Ecosystems....	Pages 423-447
Back Matter....	Pages 449-529
• • • • •	(收起)

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标签

经典

Ecology

陆地生态系统生态学原理

生态学

生态

教材

思维

EMD

评论

Pro. Hu's text book.

基础入门。。。今年出的新版加了很多最前沿的东西，还是值得买的

Required reading for qualification exam...
内容翔实，但逻辑感人。尤其是nutrients部分，读完一遍还是一头雾水，相关联的内容被分散在不同chapter里，因而还有重复，想在大脑里建立reasonable mindmap难上加难

生态系统生态学老师力荐的教科书，也是我们上课用的教材。那时被英文版吓到，但仔

细看看，琢磨一下，的确是本好书，作为生态系统入门完全够了，虽然我不做这方面。但值得收藏！

第二本专业英文书籍阅读完毕，不得不说真是一本好书。研究生期间就久闻大名，没想到博士毕业之后才读完。这次阅读花了半年的时间，让我不再害怕阅读英文书籍。这本书涉及了生态学的方方面面，拓宽了我的研究思路。明白了生态系统的一体性，植被、土壤、动物、海洋，每一个都相辅相成。有的时候，读着读着，竟然蕴含了很多哲学思路。既然生物多样性有益于世界稳定，那么就不需要人人都一样。每个人都有其存在的理由，活着的价值。

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书评

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