Eco-Efficiency of High-Tech Industrial Parks: Concept and Evaluation Indicator System
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Abstract: The study proposes a three-dimension evaluation model of eco-efficiency of high-tech industrial parks, which means that the eco-efficiency evaluation of high-tech industrial parks should put into consideration the integrated effects of three dimensions that are management capability of the industrial park, its capability of economic value creation, and its environmental impact capability. With this concept framework, the paper analyzes the latest research results on eco-efficiency and related Chinese laws and regulations, adopts content analysis method to identify, encode, extract and conclude the elements of eco-efficiency in various literatures, and selects 107 evaluation elements from 344 related literatures. Then it establishes a four hierarchical eco-efficiency evaluation indicator system of high-tech industrial parks consisting of 24 core indexes, by using the methods of importance prioritizing and expert assessment.

Key words: High-Tech Industrial Park, Eco-Efficiency, Evaluation Indicator

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