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论文

突破带动型高新技术产业的经济联动性及形成过程研究

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摘要:

如何评价高新技术产业的经济联动效应是发展高新技术产业的关键问题, 基于技术创新、产业联动效应、经济效益和社会效益四个维度的突破带动型高新技术产业经济联动性评价指标体系, 可以相对科学地评价不同高新技术产业经济联动性的强弱。而从评价结果来看, 发展高新技术产业的先后着力点可适当地考虑从电子及通信设备制造、医药制造、医疗设备及仪器仪表制造, 再到电子计算机及办公设备制造、航空航天器制造。同时, 在突破带动型高新技术产业形成过程研究中发现, 国家需求、产业创新和经济联动是突破带动型高新技术产业形成过程的三大要素, 其主要影响因素存在于产业创新过程中, 包括政策系统、市场系统和技术系统, 因此, 发展突破带动型高新技术产业应重点关注制度创新、组织创新和技术创新问题。

关键词: 高新技术产业 经济联动性 过程模型

A Study on Economic Linkage Effect and Formation Process of Leading High-tech Industry

Chen Jin Xiang Yangxue Jin Xin

Abstract:

How to evaluate economic linkage effect of high-tech industry is the key to the development of high-tech industry. The evaluation index system of economic linkage effect of leading high-tech industry which is based on technical innovation dimension, industrial linkage effect dimension, economic benefit and social benefit dimension, can evaluate this linkage effect of different high tech industries. Judging from the evaluation, the development of leading high-tech industry can be properly considered, which range from electronics and communications equipment manufacturing, pharmaceutical manufacturing, medical equipment and instruments manufacturing, to electronic computer and office equipment manufacturing, aviation aircraft manufacturing. Meanwhile, studies on the formation process of high-tech industry suggest that the demand of the country, the industrial innovation and economic linkage effect are the essential elements. The main influential factors of formation process existing in the industrial innovation process include the policy system, the market system and the technology system. The paper concludes that more attention should be paid to institutional innovation, organization innovation and technology innovation in the development of leading high-tech industry.

Keywords: high-tech industry economic linkage effect process model

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