

科研管理  2012, Vol. 33  Issue (11) :9-15,23 论文 DOI:[最新目录](#) | [下期目录](#) | [过刊浏览](#) | [高级检索](#)[<< Previous Articles](#) | [Next Articles >>](#)

### 新兴产业高被引专利的形成特征——以燃料电池为例

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## The formation characteristics of highly cited patents in emerging industry based on fuel cell industry

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**摘要** 以燃料电池这一新兴产业为例,通过对高被引专利技术形成特征的考察,提炼后发国家新兴产业发展的政策建议。研究发现,新兴产业高被引专利是发明者之间相互合作的产物,知识来源更依赖于科学文献,而专利授权数量占优的在位企业并未拥有高被引专利所有权。进一步指出,后发国家新兴产业发展虽有“机会窗口”但无“先天优势”,本土企业必须主动嵌入全球研发网络,高度重视与新兴产业发展密切相关的基础研究,积极参与知识产权全球布局 and 标准制定。

**关键词:** [高被引专利](#) [新兴产业](#) [专利挖掘](#) [Logistic回归](#)

**Abstract:** The fuel cell industry as a subfield of emerging industry is selected as a research object. Based on the investigation on the formation characteristics of highly cited patents, some policy recommendations are refined for the development of emerging industry in the late-comer country. Empirical results indicate that highly cited patents are the product of mutual cooperation between inventors, and the knowledge sources of highly cited patents are more dependent on scientific literature, meanwhile, the dominant companies which have more patents do not have the ownership of highly cited patent. Furthermore, the development of emerging industry in late-comer country has a window of opportunity but not congenital advantage, the local firms of late-comer country must actively embed in the global R&D network, pay more attention to the basic research, and voluntary participate in global distribution of intellectual property right and standard formulation.

**Keywords:** [highly cited patent](#) [emerging industry](#) [patent mining](#) [Logistic regression](#)

Received 2011-05-31;

Fund: 国家自然科学基金重点项目“全球化、突破性创新与产业领导力研究(起止时间:2010.01-2013.12,批准号:70932001)。

引用本文:

陈傲, 柳卸林, 高广宇. 新兴产业高被引专利的形成特征——以燃料电池为例[J] 科研管理, 2012,V33(11): 9-15,23

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