石墨产业出口影响因素与政策措施研究

摘要：石墨作为自然元素矿物，有着极其独特的晶体结构，表现出较为稳定的化学性质与特殊的物理性质，无论是在传统工业生产，还是新兴产业发展中有着不可代替的作用。所以越来越多的国家持续加强对非金属矿产资源的保护，因为石墨资源获取与加工生产等方面存在着各种各样的技术问题，使得全球范围超过80%的石墨消费量来源于国际贸易。长期以来，石墨是一个国家和地区核心利益不可分割的一部分，直接影响着国家的经济增长与产业发展。然而全球范围针对石墨国际贸易研究数量有限，站在国际贸易的立场上，从定量角度研究分析石墨产业贸易的成果少之又少，有必要对石墨产业出口的影响因素展开研究，以此促进我国石墨产业快速发展，提升市场竞争力。

基于上述背景，本文以可持续发展理论、比较优势理论为基础，运用文献研究法、统计分析法对我国石墨产业出口影响因素展开分析，搜集了2009-2018年石墨出口相关数据，并构建了相关模型与理论假设。通过SPSS17.0软件分析得出，汇率与石墨产业出口呈现负相关，输入国GDP、外商直接投资与石墨产业出口呈现正相关，即$P<0.01$。为此本文提出了四个方面的建议，分别是：控制石墨生产总量，强化矿山开采管理；推进技术进步和创新，转型为石墨技术出口大国；提高行业标准，高效开发利用石墨资源；建立出口专营制度，加强石墨资源战略性储备，以期能够促进我国石墨产业增强市场竞争力。

通过本文的研究得出我国在石墨产业出口方面的影响因素较多，既有国内原因，也有输入国的经济发展影响。为此我国要主动调查石墨产业的发展情况，制定合理措施，推动石墨产业稳步发展。

关键词：石墨产业；出口总额；影响因素；政策措施

Study Factors Affecting the Export of Graphite Industry and Policy Measures

Abstract: As a natural element mineral, graphite has a very unique crystal structure, showing relatively stable chemical properties and special physical properties. It plays an irreplaceable role in both traditional industrial production and the development of emerging industries. Therefore, more and more countries continue to strengthen the protection of non-metallic mineral resources. Due to various technical problems in the acquisition, processing and production of graphite resources, more than 80% of the global consumption of graphite comes from international trade. For a long time, graphite is an inseparable part of the core interests of a country and a region, which directly affects the economic growth and industrial development of a country. However, there are limited researches on the international trade of graphite in the global scope. From the standpoint of international trade, few achievements have been made in studying and analyzing the trade of graphite industry from a quantitative perspective. Therefore, it is necessary to study the factors influencing the export of graphite industry so as to promote the rapid development of China's graphite industry and improve its market competitiveness.

Based on the above background, based on the theory of sustainable development and the theory of comparative advantage, this paper used the

literature research method and statistical analysis method to analyze the factors influencing the export of China's graphite industry, collected the relevant data of graphite export from 2009 to 2018, and constructed the relevant models and theoretical assumptions. According to the analysis of SPSS17.0 software, the exchange rate is negatively correlated with the export of graphite industry, and the GDP and foreign direct investment of the importing country are positively correlated with the export of graphite industry, that is, $P < 0.01$. For this reason, this paper puts forward four Suggestions, which are: control the total production of graphite, strengthen the mining management; To promote technological progress and innovation, and to transform into a major exporter of graphite technology; Raise industry standard, develop and utilize graphite resource efficiently; The establishment of export monopoly system and the strengthening of strategic reserves of graphite resources are expected to enhance the market competitiveness of China's graphite industry.

Based on the research in this paper, it is concluded that there are many influencing factors in the export of graphite industry in China, both for domestic reasons and for the economic development of the importing countries. Therefore, China should take the initiative to investigate the development of the graphite industry, formulate reasonable measures to promote the steady development of the graphite industry.

Key words: graphite industry; Total exports; Influence ; Policies and measures

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