

试论生态科技对材料学研究方向的启示

高婕¹ 谢桂军¹ 张茜^{2,3}

(1. 广东省林业科学研究院, 广东 广州 510520; 2. 南京林业大学, 江苏 南京 210037; 3. 太尔化工(南京)有限公司, 江苏 南京 210047)

摘要: 在社会发展进程中, 自然与人类的关系不断的改变, 随着科技的发展, 人类对自然形成的破坏逐渐加剧, 进而导致自然做出了相应的反击。对此, 我们在推动科学技术发展的过程中, 需给予生态环境保护更多的关注。生态科技是现阶段破解生态恶化和科技发展矛盾关系的唯一路径, 其本质是依靠生态人性引导和推动科学技术发展模式的生态化转型。本文探讨了生态化科技的形成原因、科学内涵、影响因素、发展现状, 以及对材料学研究方向的启示。

关键词: 生态科技 绿色技术 生态转型 材料学研究

On the enlightenment of ecological science and technology to the research direction of materials science

GAO Jie¹ XIE Guijun¹ ZHANG Qian^{2,3}

(1. Guangdong Academy of Forestry, Guangzhou, Guangdong 510520, China; 2. Nanjing Forestry University, Nanjing, Jiangsu 210037, China; 3. Dynea Chemical Industry (Nanjing) CO., LTD., Nanjing, Jiangsu 210047, China)

Abstract: In the process of social development, the relationship between nature and human beings is constantly changing. With the development of science and technology, the damage caused by human beings to nature is gradually aggravated, which leads to the corresponding counterattack of nature. In this regard, we need to pay more attention to ecological environmental protection in the process of promoting the development of science and technology. At present, ecological science and technology is the only way to break the contradiction between ecological deterioration and scientific and technological development. Its essence is to guide and promote the ecological transformation of the development mode of science and technology by relying on ecological humanity. This paper discusses the formation reason, scientific connotation, influencing factors, development status of ecological technology, as well as the enlightenment to the research direction of materials scientific.

Keywords: ecological science and technology; green technology; ecological transformation; Material science research