

# Nanotechnology and the Environment



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出版者:Oxford Univ Pr on Demand

出版时间:2005-6

装帧:HRD

isbn:9780841238770

"Nanotechnology and the Environment: Applications and Implications" will showcase the latest research in nanotechnology that has both environmental applications and implications. This book will serve as a complete reference framework on how nanotechnology relates to the environment. Book sections cover important research topics relating to how nanotechnology can be used to protect the environment and how nanotechnology might affect the environment or human health. Topics include toxicology and biological interactions of nano-materials, nanoparticle geochemistry in water and air, metrology for nano-sized materials, nanotechnology-based sensors for biological and chemical parameters of environmental interest, environmentally benign manufacturing of nanomaterials, nanotechnology-enabled green energy and power sources, and treatment and remediation of waste streams and polluted sites.

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