

Global Markets and Applications for New and High Impact Nanomaterials to 2020: Carbon Nanotubes, Graphene, Nanocellulose, Silicene, Graphyne, Graphdiyne, Graphane and Molybdenum Disulfide

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Abstracts

Nanocellulose, graphene, carbon nanotubes, silicone, graphyne, graphdiyne, graphane and molybdenum disulfide all possess outstanding properties and represent potentially the most economically viable and lucrative nanomaterials through to 2020. Most are relatively new nanomaterials but are coming onto the market fast and will find widespread applications over the next decade in sectors such as composites, electronics, filtration, medical and life sciences, oil and energy, automotive, aerospace, coatings, military, consumer goods and sensors.

WHAT DOES THE REPORT INCLUDE?

Industry growth to 2020

Industry structure

Historical data

Market forecastsy

Key market drivers and restraints

Commercialization timelines to 2020

Producer, research centre and application developer profiles

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About

Many industries including electronics, automotive, aerospace, telecommunications and healthcare are exploring the use of high impact nanomaterials such as nanocellulose, carbon nanotubes and graphene. Other 2-D nanomaterials such as silicene, graphyne, graphdiyne, graphane and molybdenum disulfide are also under intense study.

Nanocellulose, graphene, carbon nanotubes, silicone, graphyne, graphdiyne, graphane and molybdenum disulfide all possess outstanding properties and represent potentially the most economically viable and lucrative nanomaterials over the next decade.

Nanocellulose has been studied recently due to its mechanical, functional, biocompatible and biodegradable properties. CNTs and graphene are the strongest, lightest and most conductive fibers known to man, with a performance-per-weight greater than any other material. This 539 page report from Future Markets, Inc. examines the scientific and technological trends of in the development of nanocellulose, carbon nanotubes, graphene and other 2-D nanomaterials.

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