

THE MAGAZINE FOR NANOTECHNOLOGY

NANOTECH

July-August 2018

Issue #54

Polymer Nano composites

Manufacturers are turning to nanomaterials to develop sustainable new composite products.

NANOTECH PRODUCTS

All the latest nanotech product news.

GRAPHENE IN PRODUCTS

New products hit the market this month.

LATEST NEWS

Market focus on what's happening in nanotech research, energy, sensors, coatings, medicine, electronics and graphene.



Nanotech Magazine is published by Future Markets, the world's leading publisher of market information on advanced materials and nanotechnology.

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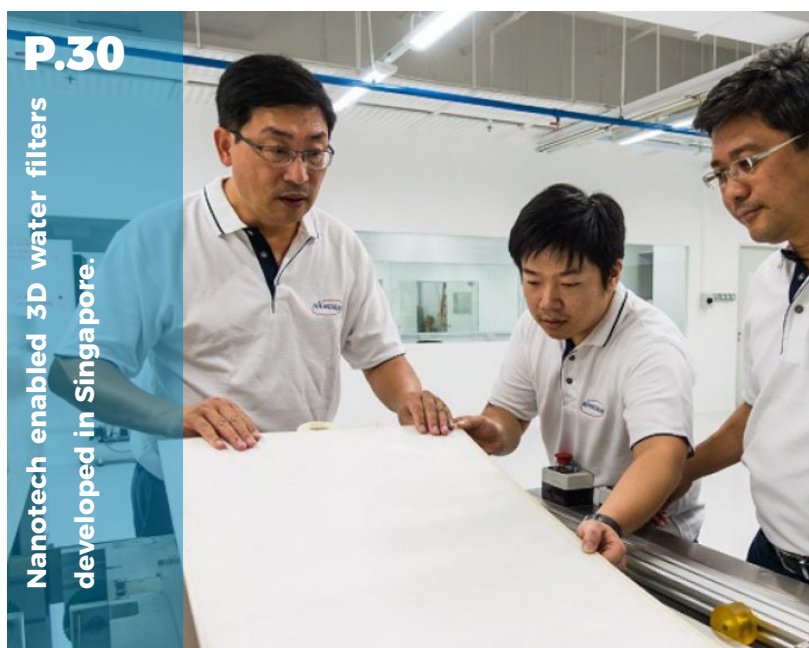
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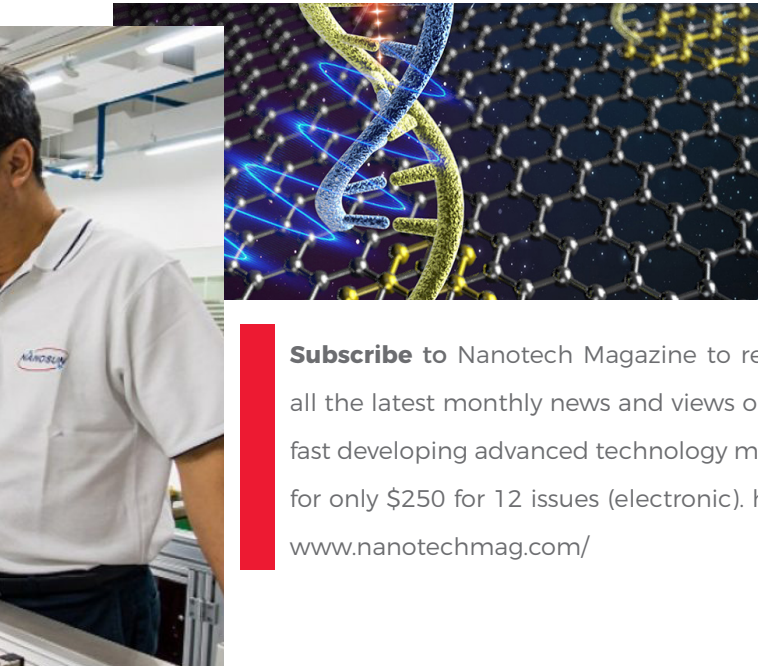
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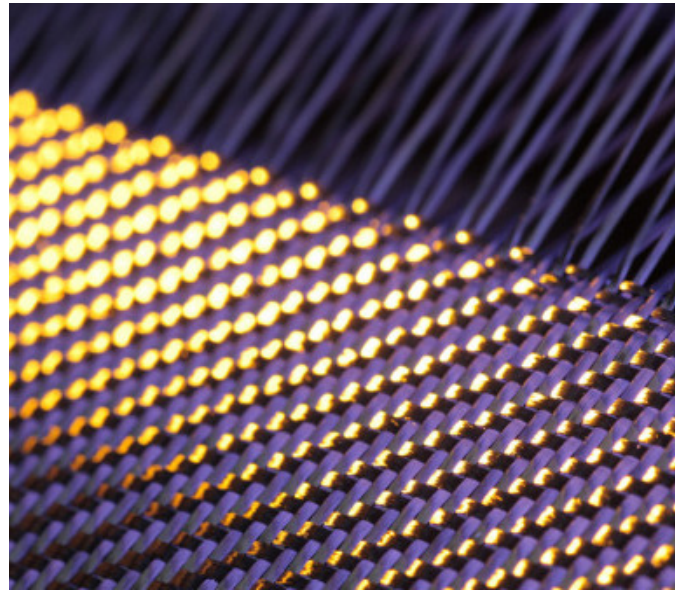
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NOTE FROM EDITOR

There is increased consumer demand for environmentally friendly and sustainable products. This has led to the development of nanocomposites derived from renewable sources with triggered biodegradability, but with the same mechanical properties as commonly used materials. The global plastics sector currently produces approximately 250 million tons annually. Over 99% of this is derived from fossil fuels, and most of it is not biodegradable. Currently, the packaging materials are largely based on glass, aluminum and tin, and fossil derived synthetic plastics. These materials possess high strength and barrier properties. However, they are unsustainable, some are fragile such as glass, and their weight adds to energy costs for shipping. Therefore industry is turning to nanomaterials such as graphene, carbon nanotubes and cellulose nanofibers.