

links of London

Principal Albums mis enlaces

ENERO 05 Various Applications

A single-atom-thick sheet links of london... offers great potential for new types of nanoscale devices... Chemists at the University of Illinois at Chicago say it's possible, reporting that graphene can become quite pliable using only a nanodroplet of water to do the job. Up until now, it wasn't thought Links of London, Necklaces we could controllably fold these structures," said Petr Král, assistant professor of chemistry at UIC. "But now we know how to shape graphene by using weak forces between nanodroplets carefully positioned on graphene sheets." Král and two of his graduate students described the process in a recent article in Nano Letters, which is highlighted in Nature's "news and views" section. (Charm Dec. 17. Engineers already cut graphene into narrow ribbons and other shapes, expanding the set of carbonous systems such as fullerenes, carbon nanotubes and nano-diamonds. Using computer simulations, Král showed that weak molecular interactions called van der Waals forces between water nanodroplets and graphene (Charm can shape it into a wide variety of forms, without the water and graphene chemically binding. Depending on the size of the water droplet and the shape and size of graphene flake used, we can fold it in different shapes for various applications," said Král. "It's similar to the way proteins are folded in biological cells with the help of chaperone proteins. Kitayama and colleagues published their study in the Journal of the Physical Society of Japan (Neural Network Model with Discrete and Continuous Information Representation. Journal of the Physical Society of Japan.

comentarios

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calendario

Tabla de calendario para Enero 2010. Muestra los días de la semana (Lu, Ma, Mi, Ju, Vi, Sa, Do) y los números de los días del mes.

archivos

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recientemente...

- Biologically Cleaner
Various applications
Various applications
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Company has...
Revolving globe...
Wended their way
Felicidades!

Meta

RSS 0.90
RSS 1.0
RSS 2.0
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