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COVER

Raman mapping images of carbon isotope-labeled graphene domains (lateral dimensions: 50 to 120 micrometers) created by exposing a copper surface to normal and isotope-labeled methane at preselected intervals. The data provide information about the effect of growth parameters on the domain shape and size and also contribute to the growth of centimeter-size single crystals of graphene that could enable applications such as nanoelectronics, photonics, and ultrastrong materials. See page 720.

Image: Yufeng Hao

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Review Summary; for full text:

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The yeast transcription pre-initiation complex has a bi-lobed structure that may reflect the assembly pathway of the complex.

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- 724 Asymmetric Distribution of Lunar Impact Basins Caused by Variations in Target Properties
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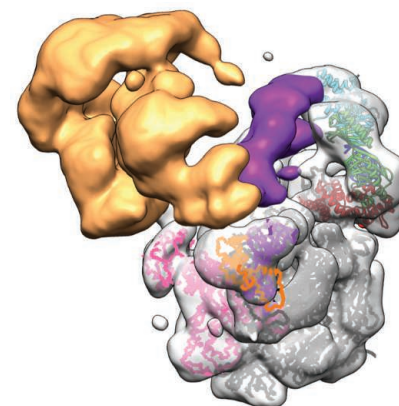
- 747 Identification of Genetic Variants That Affect Histone Modifications in Human Cells
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Human genetic variation affects transcription factor binding, leading to histone modifications.

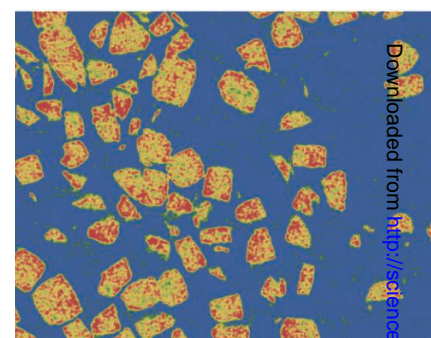
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