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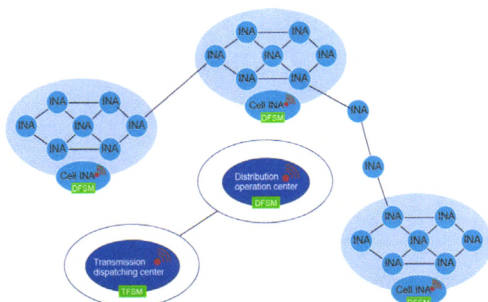
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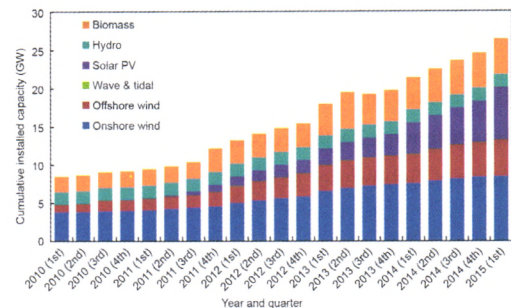
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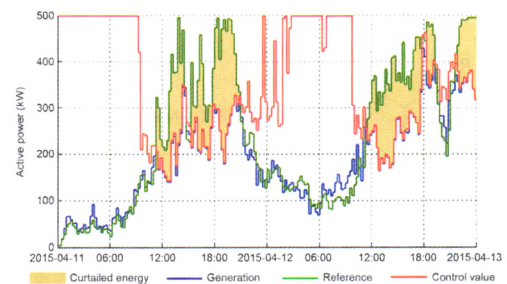


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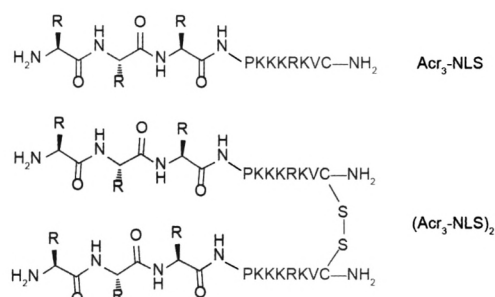
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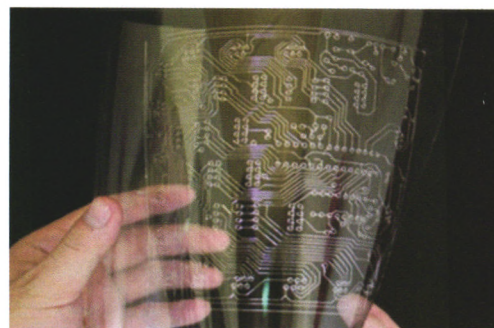
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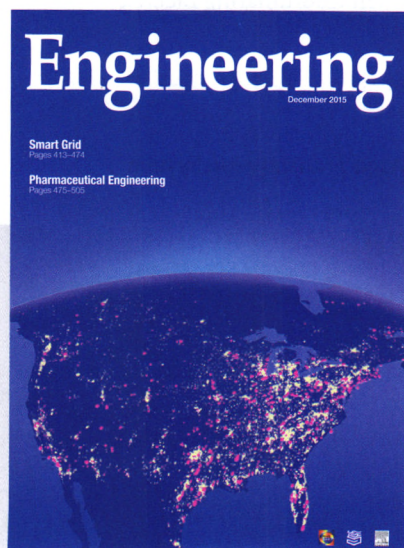
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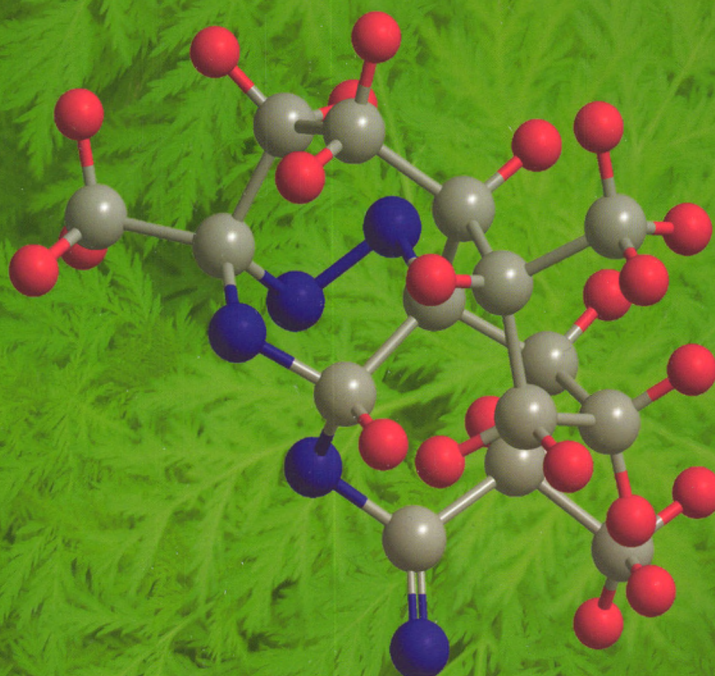


ON THE COVER

The cover image shows an example of smart grid wide-area visualizations. In the image the electric load is shown in white and the generation in magenta for a synthetic power flow model of the four major electric grids in North America. See page 468.

Engineering Science and Technology Create a Better Future

The 3D Structure of Artemisinin



Artemisinin, a kind of natural substance derived from the plant named *Artemisia annua*, was found to be the most effective treatment for malaria. Chinese pharmacologist TU Youyou was awarded the 2015 Nobel Prize in Physiology or Medicine for her discovery of artemisinin. The discovery of artemisinin is a great contribution of Chinese pharmaceutical engineering to the health and welfare of humankind.

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