

# Materials for Grid Energy

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Nighttime view of present-day Chicago, USA. Since the 1893 Chicago World's Fair introduced alternating current to the public, demand for electrical power has soared. Increased use of power from renewable resources will require new materials to store energy or generate power to ensure proper load balancing, as discussed in the special section beginning on page 921.

Photo: Jim Richardson/National Geographic/Getty Images

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- 941 **Crystal Structure of the Eukaryotic 60S Ribosomal Subunit in Complex with Initiation Factor 6**  
*S. Klinge et al.*  
The 3.5 angstrom-resolution structure provides insights into the architecture of the eukaryotic ribosome and its regulation.

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- 952 **The Hidden Mass and Large Spatial Extent of a Post-Starburst Galaxy Outflow**  
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- 955 **A Reservoir of Ionized Gas in the Galactic Halo to Sustain Star Formation in the Milky Way**  
*N. Lehner and J. C. Howk*  
Clouds of ionized gas located inside our Galaxy provide a major supply of matter for fueling ongoing star formation.
- 958 **Giant Piezoelectricity on Si for Hyperactive MEMS**  
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High-quality piezoelectric thin films are grown and exhibit superior properties for microelectromechanical systems.
- 962 **Ultralight Metallic Microlattices**  
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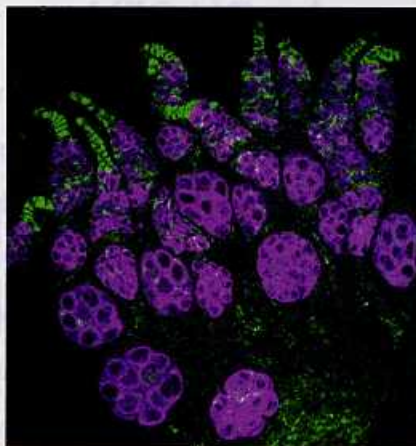
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- 974 **X-ray Emission Spectroscopy Evidences a Central Carbon in the Nitrogenase Iron-Molybdenum Cofactor**  
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- 977 **Structural Basis of Silencing: Sir3 BAH Domain in Complex with a Nucleosome at 3.0 Å Resolution**  
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- 982 **Active Starvation Responses Mediate Antibiotic Tolerance in Biofilms and Nutrient-Limited Bacteria**  
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