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## COVER

Topographic map of the Moon based on measurements from the Lunar Orbiter Laser Altimeter, showing the boundary between Oceanus Procellarum, a smooth, relatively young mare region on the western nearside (upper right), and the older, more heavily cratered highlands (center and lower left). Colors indicate increasing elevation from blue to red. The crescent-shaped Lorentz crater (center) is ~312 kilometers in diameter. See the Reports on pages 1504, 1507, and 1510.

Image: NASA/LRO/LOLA/GSFC/MIT/Brown

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- 1488 **Hemispheric Aerosol Vertical Profiles: Anthropogenic Impacts on Optical Depth and Cloud Nuclei**  
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>> *Perspective p. 1474; Report p. 1513*
- 1492 **Evidence for an Alternative Glycolytic Pathway in Rapidly Proliferating Cells**  
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Characterization of cancer cell metabolism provides evidence for a previously uncharacterized metabolic pathway.

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Pairs of correlated photons retain their quantum-mechanical correlations as they propagate through a waveguide maze.  
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- 1504 **Global Distribution of Large Lunar Craters: Implications for Resurfacing and Impactor Populations**  
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An analysis of high-resolution global topography data advances our understanding of the impact history of the Moon.
- 1507 **Global Silicate Mineralogy of the Moon from the Diviner Lunar Radiometer**  
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- 1510 **Highly Silicic Compositions on the Moon**  
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Remote thermal emission spectroscopy reveals the existence of complex igneous processes on the Moon.
- 1513 **Rainforest Aerosols as Biogenic Nuclei of Clouds and Precipitation in the Amazon**  
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- 1534 **Differential Arginylation of Actin Isoforms Is Regulated by Coding Sequence-Dependent Degradation**  
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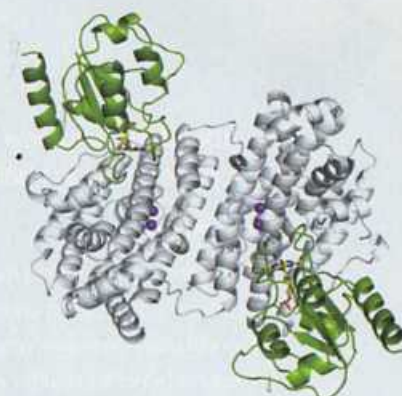
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