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Cover
The ability to publish papers and underlying data in full on the Internet is changing how scientists communicate. However, trust in the integrity of submissions and in peer reviewers is being tested by a recent disruptive change: open access. In a special section, Science probes the dramatic shifts in the landscape of scientific communication. See page 56.

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85 Mice Genetically Deficient in Vasopressin V1a and V1b Receptors Are Resistant to Jet Lag  
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95 Ultrathin, Molecular-Sieving Graphene Oxide Membranes for Selective Hydrogen Separation  
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Ultrathin graphene oxide membranes show enhanced separation selectivity for hydrogen gas.

98 Specific Chemical Reactivities of Spatially Separated 3-Aminophenol Conformers with Cold Ca\(^{2+}\) Ions  
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