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When polymers are squeezed at nanometer scales, the longest chains unexpectedly flow more easily, even though in theory they should be the most entangled. 10.1126/science.1157945

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Merging Photoredox Catalysis with Organocatalysis: The Direct Asymmetric Alkylation of Aldehydes
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Atmospheric CO$_2$ and Climate on Millennial Time Scales During the Last Glacial Period
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Rates of Molecular Evolution Are Linked to Life History in Flowering Plants
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A phylogenetic analysis shows that long-lived trees and shrubs have lower rates of molecular evolution than short-lived herbaceous plants.

Chemokine Signaling Controls Endodermal Migration During Zebrafish Gastrulation
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Molecular Architecture of the "Stressosome," a Signal Integration and Transduction Hub
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Internally Generated Reactivation of Single Neurons in Human Hippocampus During Free Recall
H. Gelbard-Sagiv et al.
The firing patterns of brain neurons recorded from people watching a video episode were the same as those recorded during later recall of the same show.

A Physical Map of the 1-Gigabase Bread Wheat Chromosome 3B
E. Paux et al.
A physical map of the largest chromosome of wheat provides the first step toward sequencing the huge, 17-billion base pair genome of this critical food crop.

High-Quality Binary Protein Interaction Map of the Yeast Interactome Network
H. Yu et al.
Comparison of existing methods for mapping protein-protein interactions in yeast cells shows that the high-throughput approaches are complementary to one another. >> Perspective p. 56

Ceramide Biogenesis Is Required for Radiation-Induced Apoptosis in the Germ Line of C. elegans
X. Deng et al.
In worms, lipid signaling at the mitochondria is necessary for the germ cell death that follows radiation damage, but not for normal developmental cell death.

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Lacking Control Increases Illusory Pattern Perception
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