Average patterns of brain recruitment, as measured by functional magnetic resonance imaging, in children with typical reading development (left) or dyslexia (right) as they sound out printed words. Left-hemisphere brain regions engaged by typical readers, the parietal cortex (upper left) and fusiform gyrus (lower left), are less engaged by dyslexic readers. See page 280.

Photo illustration: Yael Kats (brain scans, Susan Whitfield-Gabrieli and John Gabrieli; background, iStockphoto.com)
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T. Pfau et al.

Increased horse race speed over the past century can be attributed to the crouching posture and increased work done by jockeys.

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Diarrhea-causing rotavirus epidemics can be predicted by shifts in birth rate rather than by seasonal variables.

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A topological insulator exhibits current flow in edge states around the sample without the need for magnetic fields.

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The tendency for photons to bunch gets stronger as their number increases.

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Trapped electronic states induced by a nanoporous overlayer create an artificial electronic band structure.

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F + CHD 3 Reaction Inhibits CH Bond Cleavage

W. Zhang et al.


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S. Sosdian and Y. Rosenthal

Increases in glacial ice volume and ice-sheet dynamics are implicated in two distinct climate cooling events.

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Peptide and protein hormones are stored in secretory granules in a nonpathological amyloid conformation.

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The protein kinase RIP3 mediates necrotic cell death, likely through regulation of metabolic enzymes.

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An antisense oligonucleotide ameliorates the symptoms of myotonic dystrophy in transgenic mice.

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S. J. F. Cronin et al.

In vivo RNA interference screen reveals regulators of innate immunity in Drosophila.