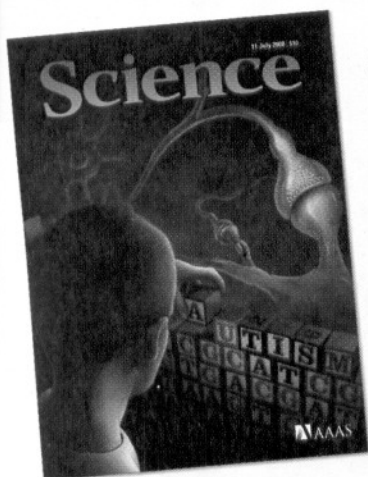




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Individuals with autism, a neurodevelopmental disorder, show impairment in social communication and language. Genetic analysis of closely related people reveals clues to the neural deficits that may underlie the disorder. See page 218.

Image: Kenneth Xavier/Xavier Studio

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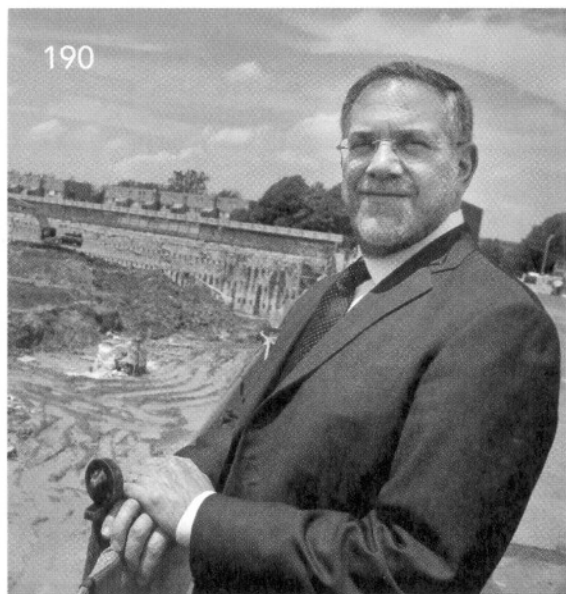
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A series of voltage pulses can mitigate the detrimental influence of background spins in gallium arsenide, allowing the spin of quantum dots to remain coherent for microseconds.

10.1126/science.1159221

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Regulation of CD45 Alternative Splicing by Heterogeneous Ribonucleoprotein, HnRNPLL

S. Oberdoerffer et al.

A ribonucleoprotein directs the splicing of the transcript for CD45, a transmembrane tyrosine phosphatase that initiates signaling through antigen receptors.

10.1126/science.1157610



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K. E. Carpenter et al.

The viability of the world's major coral reefs is endangered both by direct human disturbance and by disease and bleaching events brought on by climate change.

10.1126/science.1159196

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Quantum Gas of Deeply Bound Ground State Molecules

J. G. Danzl et al.

A coherent Raman pumping scheme cools cesium molecules to a state with minimal rotational energy, needed for producing cold molecular Bose-Einstein condensates.

10.1126/science.1159909

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full text at www.sciencemag.org/cgi/content/full/321/5886/200a

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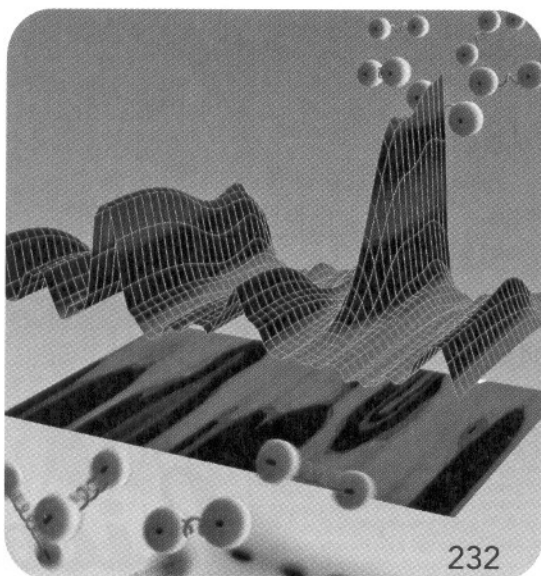
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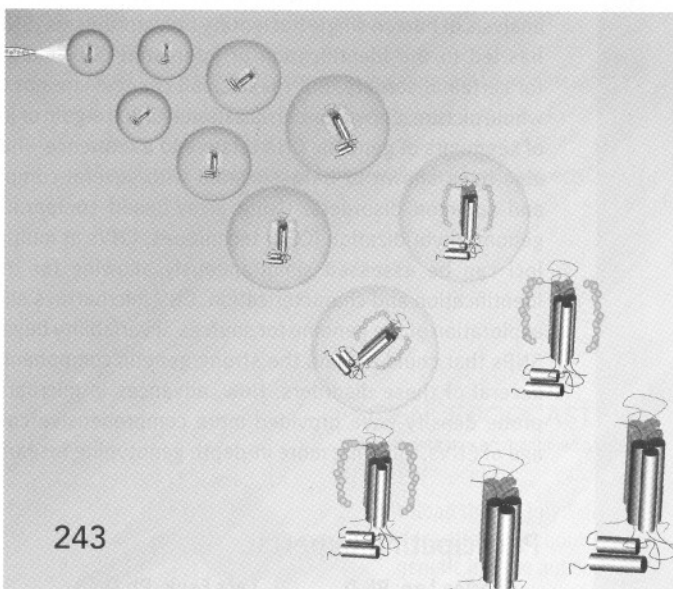
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