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Using sunlight to rearrange the chemical bonds of water into hydrogen and oxygen, as in photosynthesis, would constitute a practical way to store solar energy as a fuel. Such an energy source will depend on new catalysts that promote this fuel-forming reaction cheaply and efficiently. See page 1072.

Photo illustration: Paul Montie
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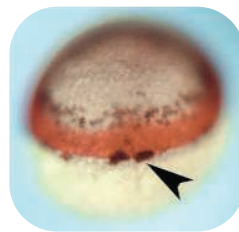
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Quantum Communication with Zero-Capacity Channels

G. Smith and J. Yard

Two quantum communication channels, each of which is so noisy that it has zero-capacity to independently transmit information, can do so when used together.

10.1126/science.1162242

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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.

10.1126/science.1158684

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Chemokine Signaling Controls Endodermal Migration During Zebrafish Gastrulation

S. Nair and T. F. Schilling

During zebrafish gastrulation, chemokines are required for integrin-dependent adhesion of endodermal cells to mesoderm, a role distinct from their action as chemoattractants.

10.1126/science.1160038

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Coupled Superconducting and Magnetic Order in CeCoIn₅

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10.1126/science.1161818

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[full text at www.sciencemag.org/cgi/content/full/321/5892/1040b](http://www.sciencemag.org/cgi/content/full/321/5892/1040b)

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J. M. Asara, M. H. Schweitzer, L. C. Cantley, J. S. Cottrell

[full text at www.sciencemag.org/cgi/content/full/321/5892/1040c](http://www.sciencemag.org/cgi/content/full/321/5892/1040c)

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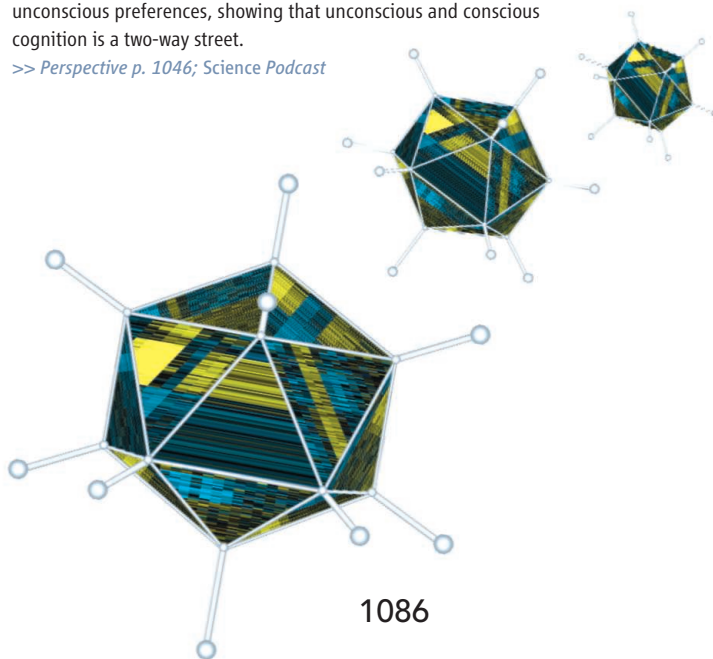
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SCIENCE (ISSN 0036-8075) is published weekly on Friday, except the last week in December, by the American Association for the Advancement of Science, 1200 New York Avenue, NW, Washington, DC 20005. Periodicals Mail postage (publication No. 484460) paid at Washington, DC, and additional mailing offices. Copyright © 2008 by the American Association for the Advancement of Science. The title SCIENCE is a registered trademark of the AAAS. Domestic individual membership and subscription (51 issues): \$144 (\$74 allocated to subscription). Domestic institutional subscription (51 issues): \$770; Foreign postage extra: Mexico, Caribbean (surface mail) \$55; other countries (air assist delivery) \$85. First class, airmail, student, and emeritus rates on request. Canadian rates with GST available upon request, GST #1254 88122. Publications Mail Agreement Number 1069624. SCIENCE is printed on 30 percent post-consumer recycled paper. Printed in the U.S.A.

Change of address: Allow 4 weeks, giving old and new addresses and 8-digit account number. Postmaster: Send change of address to AAAS, P.O. Box 96178, Washington, DC 20090-6178. Single-copy sales: \$10.00 current issue, \$15.00 back issue prepaid includes surface postage; bulk rates on request. Authorization to photocopy material for internal or personal use under circumstances not falling within the fair use provisions of the Copyright Act is granted by AAAS to libraries and other users registered with the Copyright Clearance Center (CCC) Transactional Reporting Service, provided that \$20.00 per article is paid directly to CCC, 222 Rosewood Drive, Danvers, MA 01923. The identification code for Science is 0036-8075. Science is indexed in the Reader's Guide to Periodical Literature and in several specialized indexes.



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Science Careers Poll Results: A Realistic Readership

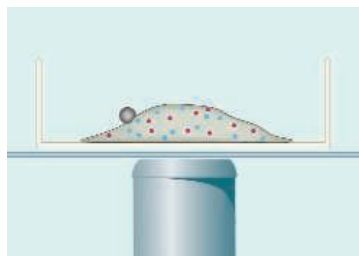
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Grad students and postdocs are guardedly optimistic about their career prospects.

From the Archives: Choosing a Thesis Lab

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