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O. Levy et al.
Rhythmically expressed genes in reef-building corals may be required to deal with oxidative stress and the coral-algal symbiosis.

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J.-B. Michel et al.
Linguistic and cultural changes are revealed through the analyses of words appearing in books.

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Y. Abeck et al.
Modeling of development in the fruit fly yields an algorithm useful in designing wireless communication networks.

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J. Jang et al.
The magnetic response of an exotic superconductor suggests that vortices with half a quantum of flux are present.

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D. Fausti et al.
Laser pulses are used to enable coherent transport between the copper oxide planes of a cuprate superconductor.

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B. J. McMorran et al.
Diffraction holograms are used to create electron vortex beams that should enable higher-resolution imaging.

195  Solvent-Free Oxidation of Primary Carbon-Hydrogen Bonds in Toluene Using Au-Pd Alloy Nanoparticles
L. Kesavan et al.
A gold- and palladium-based catalyst can be used to oxidize toluene and form a commercially useful ester.

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Colloidal particles that are charged on one side, and hydrophobic on the other, can form chiral helices in salt solutions.

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D. J. R. Thornalley
Radiocarbon data reveal changes in the timing and strength of deep ocean convection during the last glacial termination.

206  A Basal Dinosaur from the Dawn of the Dinosaur Era in Southwestern Pangaea
R. N. Martinez et al.
Two hundred thirty million years ago, in what is now Argentina, dinosaurs could be found as the dominant carnivores or as small herbivores.

211  Writing About Testing Worries Boosts Exam Performance in the Classroom
G. Ramirez and S. L. Beilock
A brief classroom intervention helps remove anxiety from the testing situation.

214  Genomic Signatures Predict Migration and Spawning Failure in Wild Canadian Salmon
K. M. Miller et al.
High mortality of sockeye salmon in the Fraser River is associated with signals of metabolic and immune stress.

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N. C. Gilbert
Substitution of a destabilizing sequence has allowed crystallization of a key enzyme of the inflammatory response.

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M. J. Rust et al.
Cyanobacterial circadian clock components are directly coupled to the metabolic status of the cell through interactions with adenine nucleotides.

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J. Lyall et al.
Transgenic birds expressing a short hairpin RNA that blocks viral polymerase hinder influenza transmission.

226  Human Tears Contain a Chemosignal
S. Gelstein et al.
Merely sniffing women’s negative emotional tears reduces sexual arousal in men.
Proteome Half-Life Dynamics in Living Human Cells
E. Eden et al.
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D. J. Ting et al.
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J. A. Carter et al.
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U. Büntgen et al.
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Free Career Resources for Scientists
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Discovering Unsung African-American Chemists
D.V.M.-Ph.D. Laura Richman’s discovery of a novel elephant herpesvirus led to a career in human translational medicine.
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C. J. Bell et al.
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PERSPECTIVE: Molecular Technologies
Open New Clinical Genetic Vistas
L. Jackson and R. E. Pyeritz
PODCAST
L. Jackson and O. Smith
New genome-sequencing technologies may enable expansion of carrier and prenatal genetic testing.

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The frequency with which names appear in books has been used to create a pantheon of the most famous scientists of the past two centuries (with video).
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Y. R. Li and H. Matsunami
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R. A. Hall
Crosstalk between neurotransmitter signaling and odorant signaling may enhance the sense of smell.
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E. F. Smith and R. Rohatgi
Scientists discussed advances in cilia biology and the role of cilia in development and disease.
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R. D. Fields
Physical changes associated with the electrical activity of neurons mediate intercellular signaling.

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A Veteranary Scientist’s Unique Career Path
S. Webb
D.V.M.-Ph.D. Laura Richman’s discovery of a novel elephant herpesvirus led to a career in human translational medicine.
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Discovering Unsung African-American Chemists
S. Weininger and L. Gortler
New genome-sequencing technologies may enable expansion of carrier and prenatal genetic testing.

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RESEARCH ARTICLE: Identification of an Adenylly Cyclase Inhibitor for Treating Neuropathic and Inflammatory Pain
H. Wang et al.
PERSPECTIVE: Targeting Pain Where It Resides ... in the Brain
R. Sharif-Naeini and A. I. Basbaum
An adenylly cyclase 1 inhibitor acting on the anterior cingulate cortex alleviates neuropathic pain.