RESEARCH ARTICLES

864 Lentiviral Hematopoietic Stem Cell Gene Therapy Benefits Metachromatic Leukodystrophy
A. Biffi et al.
Lentivirus-mediated gene therapy produces encouraging results in three children with a rare lysosomal storage disease.
Research Article Summary; for full text: http://dx.doi.org/10.1126/science.1233158

865 Lentiviral Hematopoietic Stem Cell Gene Therapy in Patients with Wiskott-Aldrich Syndrome
A. Alli et al.
Lentivirus-mediated gene therapy produces encouraging results in three children with a rare immunodeficiency disorder.
Research Article Summary; for full text: http://dx.doi.org/10.1126/science.1233151

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866 Groundwater Arsenic Contamination Throughout China
L. Rodríguez-Lado et al.
A predictive map of arsenic in Chinese groundwater aquifers reveals a potential health risk to 19.6 million people.
>> Perspective p. 852

868 Hillslopes Record the Growth and Decay of Landscapes
M. D. Hurst et al.
Changes in tectonic rates can be quantitatively derived from hillslope morphology.

871 Mapping Tectonic Deformation in the Crust and Upper Mantle Beneath Europe and the North Atlantic Ocean
H. Zhu and J. Tromp
Anisotropy of the crust and mantle under Europe is a relic of the continent’s formation.

875 Abundant Porewater Mn(III) Is a Major Component of the Sedimentary Redox System
A. S. Madison et al.
Soluble manganese(III) accounts for up to 90% of the total manganese in the near-surface porewaters of hemipelagic sediments.

14-Step Synthesis of (+)-Ingelolen from (+)-3-Carene
L. Jørgensen et al.
A chemical route to a diterpenoid could enhance production efficiency of a drug that treats a precancerous skin condition.

882 Mapping of Functional Groups in Metal-Organic Frameworks
X. Kong et al.
Solid-state nuclear magnetic resonance and simulations map the distribution of linking groups in metal-organic frameworks.

885 Microscopic Evidence for Liquid-Liquid Separation in Supersaturated CaCO₃ Solutions
A. F. Wallace et al.
The preordering seen during calcium carbonate crystallization may be due to a liquid-liquid separation process.
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889 Molecular Mechanism for Plant Steroid Receptor Activation by Somatic Embryogenesis Co-Receptor Kinases
J. Santiago et al.
Crystal structures reveal why the brassinosteroid receptor kinase requires another kinase helper protein for activation.

893 Titration of Four Replication Factors Is Essential for the Xenopus laevis Midblastula Transition
C. Collart et al.
Increasing numbers of nuclei compared with the cytoplasmic volume promotes a key developmental step in frog embryos.

896 SGK196 Is a Glycosylation-Specific O-Mannose Kinase Required for Dystroglycan Function
T. Yoshida-Moriguchi et al.
An atypical kinase genetically associated with muscular dystrophies recognizes a unique trisaccharide structure.

903 Cyclic GMP-AMP Synthase Is an Innate Immune Sensor of HIV and Other Retroviruses
D. Gao et al.
Cell culture experiments suggest that detection of retroviral DNA activates cellular defense systems.
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