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Check out the latest in a series of Perspectives on Challenges in Climate Science at www.sciencemag.org/extra/climate.

COVER

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RESEARCH ARTICLE
628 Secreting and Sensing the Same Molecule Allows Cells to Achieve Versatile Social Behaviors
H. Youk and W. A. Lim
The etiquette of yeast cells that secrete signals that influence themselves and their neighbors is explored.
Research Article Summary; for full text: http://dx.doi.org/10.1126/science.1242782
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Six symmetry-protected topological phases that have no counterpart in noninteracting systems are identified.

631 1D-1D Coulomb Drag Signature of a Luttinger Liquid
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An upturn in the temperature dependence of the drag resistance of two closely-spaced conducting wires is observed.

634 Elastic Instability of a Crystal Growing on a Curved Surface
G. Meng et al.
Constant-background Gaussian curvature alters crystal growth and favors the formation of anisotropic, ribbon-like domains.

637 Rapid Soil Production and Weathering in the Southern Alps, New Zealand
I. J. Larsen et al.
Fast weathering rates in the New Zealand Alps point to a strong influence of tectonic processes on global climate.
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641 Periodic Variability in the Large-Scale Southern Hemisphere Atmospheric Circulation
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Large-scale atmospheric circulation in the Southern Hemisphere oscillates on a time scale of roughly 20 to 30 days.
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A mechanism is revealed for orchestrated cell movement during gastrulation in Xenopus.

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661 Interchromosomal Communication Coordinates Intrinsically Stochastic Expression Between Alleles
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675 Oxytocin-Mediated GABA Inhibition During Delivery Attenuates Autism Pathogenesis in Rodent Offspring
R. Tyzio et al.
Maternal administration of bumetanide before delivery reduces the autistic phenotype in rodent models of autism.
>> Perspective p. 620; Science Podcast
Science 343 (6171), 577-683.