REPORTS

1084 An Adaptive Response to Uncertainty Generates Positive and Negative Contrast Effects
J. M. McNamara et al.
Contrast effects, in which current behavior depends on past conditions, may be an adaptive response to uncertainty.

1086 Functional Extinction of Birds Drives Rapid Evolutionary Changes in Seed Size
M. Goletti et al.
Local extinction of large fruit-eating birds selects for reduction of seed size in a tropical forest palm.

1090 Tracking Individuals Shows Spatial Fidelity Is a Key Regulator of Ant Social Organization
D. P. Mersch et al.
Monitoring of individually tagged worker ants revealed three distinct groups that greatly differ in behavior.

1094 Mechanisms of Age-Dependent Response to Winter Temperature in Perennial Flowering of Arabis alpina
S. Berganzi et al.
A protein complex identified as a negative regulator of the mTORC1 protein kinase complex has tumor suppressor functions.

RESEARCH ARTICLES

1065 Enantio- and Diastereodivergent Dual Catalysis: α-Allylation of Branched Aldehydes
S. Krautwald et al.
Two catalysts independently set the chiral sense of adjacent stereocenters in a carbon–carbon bond-forming reaction.

1068 Martian Fluvial Conglomerates at Gale Crater
R. M. E. Williams et al.
Observations from the Curiosity rover of rounded pebbles in sedimentary rocks confirm ancient water flows on Mars.

1073 High-Strength Chemical-Vapor–Deposited Graphene and Grain Boundaries
G.-H. Lee et al.
Unless subjected to chemical attack, the grain boundaries in chemical-vapor–deposited graphene do not weaken the material.

1076 Unwinding of a Skyrmion Lattice by Magnetic Monopoles
P. Milde et al.
Magnetic force microscopy and Monte Carlo simulations elucidate the destruction of the skyrmion lattice in Fe₈₀Co₂₀Si.

1080 Measurements of Energetic Particle Radiation in Transit to Mars on the Mars Science Laboratory
C. Zeitlin et al.
The radiation dose on a round-trip to Mars could represent a large fraction of the accepted lifetime limit for astronauts.

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Science 340 (6136), 1013-1122.