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998 Predicting Pragmatic Reasoning in Language Games
M. C. Frank and N. D. Goodman
A Bayesian inference model predicts how listeners decode communications.
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999 Growing Microtubules Push the Oocyte Nucleus to Polarize the Drosophila Dorsal-Ventral Axis
T. Zhao et al.
The addition of tubulin monomers to microtubules provides the force to relocate the oocyte nucleus.
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1003 Signatures of Majorana Fermions in Hybrid Superconductor-Semiconductor Nanowire Devices
V. Mourik et al.
Theoretically predicted particles that double as their own antiparticles emerge in a superconductor-coupled indium antimonide nanowire.
>> Perspective p. 989

1007 Unidirectional Growth of Microbumps on (111)-Oriented and Nanotwinned Copper
H.-Y. Hsiao et al.
Oriented copper grains grown using direct-current electroplating serve as a template for intermetallic microbumps.

1011 Real-Time Imaging of Pt3Fe Nanorod Growth in Solution
H.-G. Liao et al.
An in situ liquid stage is used to study the formation of nanowires from solution in a transmission electron microscope.

1014 Direction-Specific Interactions Control Crystal Growth by Oriented Attachment
D. Li et al.
Iron oxyhydroxide nanoparticles rotate until finding a perfect lattice match with a neighboring particle to grow.

1018 Large-Pore Apertures in a Series of Metal-Organic Frameworks
H. Deng et al.
Metal-organic frameworks with hexagonal channel pores up to almost 100 angstroms in diameter have been synthesized.

1023 Linking Petrology and Seismology at an Active Volcano
K. Saunders et al.
Volcanic minerals from a Mount St. Helens eruption reveal a causal relationship between magma processes and seismicity.

1028 Temperature-Dependent Alterations in Host Use Drive Rapid Range Expansion in a Butterfly
R. M. Pateman et al.
A warmer UK has enabled the brown argus butterfly to expand its range by feasting on the geranium.

1030 Linking Crystallographic Model and Data Quality
P. A. Karplus and K. Diederichs
A statistical method places model and data quality on the same scale and indicates how far one can model.

1032 Structures from Anomalous Diffraction of Native Biological Macromolecules
Q. Liu
Don’t get MAD or be SAD; try lower energy.
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1036 The Crystal Structure of Human Argonaute2
N. T. Schirle and I. J. MacRae
The structure of the core protein of the human RNA interference machinery is determined at high resolution.
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1040 Metabolite Profiling Identifies a Key Role for Glycine in Rapid Cancer Cell Proliferation
M. Jain et al.
Rapidly growing cancer cells rely on the amino acid glycine to make nucleotides.
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1045 FK51 Conveys Timing Information for CONSTANS Stabilization in Photoperiodic Flowering
Y. H. Song et al.
A plant protein sensitive to blue light links longer afternoons to more flowering.

1049 Kinship Categories Across Languages Reflect General Communicative Principles
C. Kemp and T. Regier
The systems of terms used in different languages to describe kin are optimized for simplicity and informativeness.
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1054 Neural Correlates of a Magnetic Sense
L.-Q. Wu and J. D. Dickman
Neurons in a pigeon’s brain encode the direction and intensity of the geomagnetic field.
>> Perspective p. 991
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