Anomalous Criticality in the Electrical Resistivity of La$_{2-x}$Sr$_x$CuO$_4$

R. A. Cooper et al.

High magnetic fields can strip away the superconducting regime of a cuprate superconductor, revealing the presence of an enigmatic quantum critical point.

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Revealing the Maximum Strength in Nanotwinned Copper

L. Lu et al.

Studies of nanocrystalline copper reveal changes in deformation mechanisms with grain size and the role played by twin boundaries.

Control of Graphene’s Properties by Reversible Hydrogenation: Evidence for Graphane

D. C. Elias et al.

Graphene can be transformed from a conductor to an insulator by exposure to hydrogen atoms and reversed by a thermal treatment.

Dynamical Quorum Sensing and Synchronization in Large Populations of Chemical Oscillators

A. F. Taylor et al.

Communication between chemical oscillators in solution can mimic that of large populations of single-celled organisms.

Single Nanocrystals of Platinum Prepared by Partial Dissolution of Au-Pt Nanoalloys

M. Schrinner et al.

Gold-platinum nanoparticles, held in polymer networks on latex beads, are converted into platinum nanocrystals.

Cascadia Tremor Located Near Plate Interface Constrained by S Minus P Wave Times

M. La Rocca et al.

A series of microearthquakes near Puget Sound originate near or on the subduction zone fault from a recurrent source.

Divergent Evolution of Duplicate Genes Leads to Genetic Incompatibilities Within A. thaliana

D. Bikard et al.

The divergent evolution of a duplicated gene results in genetic incompatibilities between strains of the plant Arabidopsis.

Serotonin Mediates Behavioral Gregariousization Underlying Swarm Formation in Desert Locusts

M. L. Anstey et al.

Serotonin induces the phenotypic switch from solitary to gregarious behavior in desert locusts.

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