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Cryosection of a yeast nucleus (long axis, 1.6 micrometers) immunolabeled to reveal the sites of the nuclear envelope that are associated with the coat protein coatomer. Antibodies to coatomer were applied to the section, then the bound antibodies were identified in a second step with the help of electron-dense gold particles that appear as tiny dots on the nuclear surface. See page 1526, the special section on Protein Kinesis beginning on page 1513, and the News story on page 1493. [R. Schekman and L. Orci]

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**Microsecond Catalytic Partial Oxidation of Alkanes**

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**Molecular Dynamics Simulation of Hydrochloric Acid Ionization at the Surface of Stratospheric Ice**

B. J. Gertner and J. T. Hynes

**Structure and Evolution of Lithospheric Slab Beneath the Sunda Arc, Indonesia**

S. Widiyananto and R. van der Hilst

**The Majorite-Pyrope + Magnesiowüstite Assemblage: Constraints on the History of Shock Veins in Chondrites**

M. Chen, T. G. Sharp, A. El Golery, B. Wopenka, X. Xie

**Iridium Metal in Chicxulub Impact Melt**


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**Human Foamy Virus Replication: A Pathway Distinct from That of Retroviruses and Hepadnaviruses**

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**HIV-1 Dynamics in Vivo: Virion Clearance Rate, Infected Cell Life-Span, and Viral Generation Time**


**Opposite Modulation of Cocaine-Seeking Behavior by D1- and D2-Like Dopamine Receptor Agonists**

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**Coordination of Three Signaling Enzymes by AKAP79, a Mammalian Scaffold Protein**

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**Similarities Between Initiation of V(D)J Recombination and Retroviral Integration**

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**Cell Cycle Regulation of E2F Site Occupation in Vivo**


**Rapid Degradation of the G1 Cyclin Cln2 Induced by CDK-Dependent Phosphorylation**

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**Control of the Gene optomotor-blind by Drosophila Wing Development by decapentaplegic and wingless**

S. Grimm and G. P. Pflugfelder

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**Pliocene Extinction of Antarctic Pectinid Mollusks**

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**Winging it**

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