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An Accurate Geometric Distance to the Compact Binary SS Cygni
J. C. A. Miller-Jones et al.
SS Cygni is much closer than previously thought, removing a major challenge to our understanding of accretion theory.

Taxel-Addressable Matrix of Vertical-Nanowire Piezotronic Transistors for Active and Adaptive Tactile Imaging
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Separation of Hexane Isomers in a Metal-Organic Framework with Triangular Channels
Z. R. Herm et al.
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Galvanic Replacement Reactions in Metal Oxide Nanocrystals
M. H. Oh et al.
Hollow mixed-metal oxide nanoparticles can be made by replacing the metal cations through redox reactions in solution.

The Cells and Circuitry for Itch Responses in Mice
S. K. Mishra and M. A. Hoon
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Changes in Taste Neurons Support the Emergence of an Adaptive Behavior in Cockroaches
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Ribosomal Protein SA Haploinsufficiency in Humans with Isolated Congenital Asplenia
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Futile Protein Folding Cycles in the ER Are Terminated by the Unfolded Protein O-Mannosylation Pathway
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Identification of a Heteromeric Complex That Promotes DNA Replication Origin Firing in Human Cells
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Tetrahydrobiopterin Biosynthesis as an Off-Target of Sulfa Drugs
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A structural analysis reveals that a wide range of sulfa drugs inhibit neurotransmitter biosynthesis.

Defining Single Molecular Forces Required to Activate Integrin and Notch Signaling
X. Wang and T. Ha
A piconewton (pN) tension gauge reveals that less than 12 pN suffices to activate Notch.
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