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325 Hyperdominance in the Amazonian Tree Flora
H. ter Steege et al.
Amazonia harbors 16,000 tree species, 1.4% of which account for half of all individual trees.
Research Article Summary; for full text: http://dx.doi.org/10.1126/science.1243092
326 A Complete Skull from Dmanisi, Georgia, and the Evolutionary Biology of Early Homo D. Lordkipanidze et al.
An early Pleistocene adult skull illuminates the evolution and morphology of the first hominins outside Africa.
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331 Stellar Spin-Orbit Misalignment in a Multiplanet System
D. Huber et al.
Kepler observations show that stellar spin-orbit misalignments are not confined to planetary systems with hot Jupiters.
334 Gravitational-Wave Limits from Pulsar Timing Constrain Supermassive Black Hole Evolution
R. M. Shannon et al.
Analysis of pulsar timing data sets constraints on the gravitational-wave background produced by pairs of massive black holes.
337 Strain-Induced Ultrahard and Ultrastable Nanolaminated Structure in Nickel
X. C. Liu et al.
Heavy shearing can produce a stronger, more thermally robust nickel microstructure.
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341 Electron-Hole Diffusion Lengths Exceeding 1 Micrometer in an Organometal Trihalide Perovskite Absorber
S. D. Stranks et al.
344 Long-Range Balanced Electron and Hole-Transport Lengths in Organic-Inorganic CH₃NH₃PbI₃
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Spectroscopy pinpoints facile carrier diffusion as a key factor in the efficiency of perovskite solar cells.
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347 Product-to-Parent Reversion of Trenbolone: Unrecognized Risks for Endocrine Disruption
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Phototransformation of growth steroid metabolites is readily reversible in aquatic environments.
351 Direct Spectroscopic Characterization of a Transitory Dirhodium Donor-Acceptor Carbene Complex
K. P. Kornecki et al.
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C. R. Webster et al.
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M. J. Lajoie et al.
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M. J. Lajoie et al.
Thirteen codons could be removed from all essential ribosomal protein-coding genes across 80 Escherichia coli strains.
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R. I. Colautti and S. C. H. Barrett
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J. S. Fites et al.
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K. Poorey et al.
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373 Sleep Drives Metabolite Clearance from the Adult Brain
L. Xie et al.
During sleep, metabolic waste products are removed from the extracellular spaces in the brain.
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377 Reading Literary Fiction Improves Theory of Mind
D. C. Kidd and E. Castano
Experimental evidence suggests that reading good fiction helps us to understand others.