RESEARCH

IN BRIEF

297 From Science and other journals

REVIEW

300 ORGANIC CHEMISTRY
Metal-catalyzed reductive coupling of olefin-derived nucleophiles: Reinventing carbonyl addition K. D. Nguyen et al.
REVIEW SUMMARY: FOR FULL TEXT: dx.doi.org/10.1126/science.aah5133

301 STRUCTURAL BIOLOGY
Structural basis for the gating mechanism of the type 2 ryanodine receptor RyR2 W. Peng et al.
RESEARCH ARTICLE SUMMARY: FOR FULL TEXT: dx.doi.org/10.1126/science.aah5324

302 DEVICE TECHNOLOGY
Subthreshold Schottky-barrier thin-film transistors with ultralow power and high intrinsic gain S. Lee and A. Nathan

305 FORCE SPECTROSCOPY
Molecular force spectroscopy with a DNA origami–based nanoscopic force clamp P. C. Nickels et al.

308 CHEMICAL PHYSICS
Ultrafast electron diffraction imaging of bond breaking in di-iodized acetylene B. Wolter et al.

312 METALLURGY
Dynamic creation and evolution of gradient nanostructure in single-crystal metallic microcubes R. Thevamaran et al.

316 SOLID-STATE PHYSICS
Observation of a nematic quantum Hall liquid on the surface of bismuth B. Feldman et al.

321 GROUP DYNAMICS
Network science on belief system dynamics under logic constraints N. E. Friedkin et al.
PERSPECTIVE P. 286

326 PLANKTON DYNAMICS
Physiological and ecological drivers of early spring blooms of a coastal phytoplankter K. R. Hunter-Cevera et al.

329 BIOMASS PROCESSING
Formaldehyde stabilization facilitates lignin monomer production during biomass depolymerization L. Shuai et al.

334 PALEONTOLOGY
A Silurian maxillate placoderm illuminates jaw evolution M. Zhu et al.
PERSPECTIVE P. 280

336 EVOLUTION
Predictable convergence in hemoglobin function has unpredictable molecular underpinnings C. Natarajan et al.

339 ENZYMEOLOGY
The biosynthetic pathway of coenzyme F430 in methanogenic and methanotrophic archaea K. Zheng et al.

343 PLANT PHOTOBIOLOGY
Photoactivation and inactivation of Arabidopsis cryptochrome 2 Q. Wang et al.
PERSPECTIVE P. 282

347 MICROBIOLOGY
Intercellular communication and conjugation are mediated by ESX secretion systems in mycobacteria T. A. Gray et al.

350 EBOLAVIRUSES
A “Trojan horse” bispecific-antibody strategy for broad protection against ebolaviruses A. Z. Wee et al.
PERSPECTIVE P. 284

354 ANTIGEN PRESENTATION
A large fraction of HLA class I ligands are proteasome-generated spliced peptides J. Liepe et al.

358 MUCOSAL IMMUNITY
A pathogenic role for T cell–derived IL-22BP in inflammatory bowel disease P. Pelczar et al.

DEPARTMENTS

265 EDITORIAL
A short presidential reading list
By Jeremy Berg
NEWS FEATURES P. 274

382 WORKING LIFE
Knocking on opportunity’s door
By Diane Shao

ON THE COVER

Whoever wins the U.S. election on 8 November, Democrat (donkey) or Republican (elephant), the next president will confront issues that have science at their core, from sea-level rise to the emergence of new diseases. In this issue, Science discusses six concepts that deserve attention from the very top. See pages 265 and 274. Illustration: Ricardo Martinez

Science Staff .......................... 262
New Products ................................ 373
Science Careers ...................... 374
Science 354 (6310), 265-382.