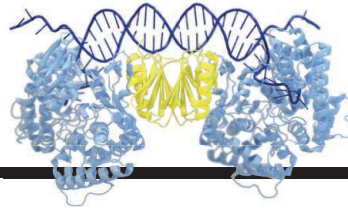


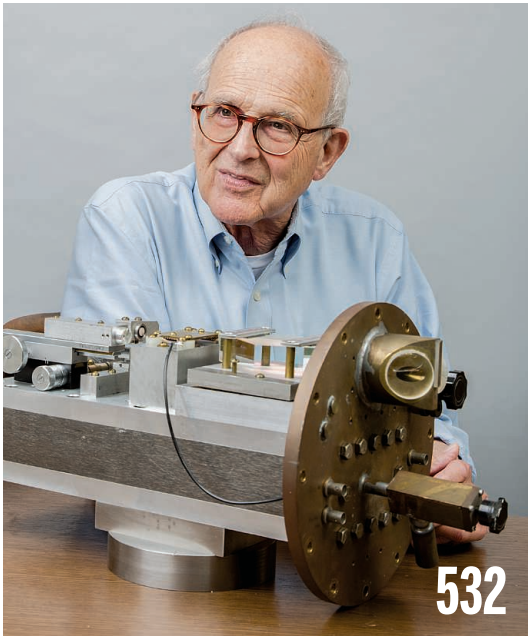
CONTENTS



556 & 557

The CRISPR-Cas
defense system

5 AUGUST 2016 • VOLUME 353 • ISSUE 6299



530 SYNCHROTRON AIMS TO BRIDGE DIVIDES IN THE MIDDLE EAST

Light source in Jordan is just about ready to start shining
By E. Stokstad

531 DISPUTE OVER PRESIDENT'S AGE TEARS PASTEUR INSTITUTE APART

Center's board of directors was sent home after denying Christian Bréchet, who's almost 65, a second term
By T. Rabesandratana

FEATURE

532 THE STORYTELLER

With Rainer Weiss, gravitational wave hunter and likely Nobel laureate, there's the story—and there's the subtext
By A. Cho

... 534 The long road to LIGO
By A. Cho

NEWS

IN BRIEF

524 News at a glance

IN DEPTH

526 VENEZUELA'S WOES HAMPER ACCESS TO FOSSIL TROVE

Only the most daring researchers now risk a trip to premier site in the American tropics
By L. Wade

527 ANTIAGING TRIAL USING YOUNG BLOOD STIRS CONCERNS

Company plans to charge volunteers \$8000 each for plasma transfusions from young donors
By J. Kaiser

528 NSF TRIES TWO-STEP REVIEW, DRAWING PRAISE—AND DARTS

Brief preliminary proposals can't do justice to innovative research, scientists complain
By J. Mervis

529 ZIKA VACCINE HAS A GOOD SHOT

Modest immune responses outwit virus in monkey studies, but trials will be complex
By J. Cohen

► RESEARCH ARTICLE BY P. ABBINK ET AL.
10.1126/science.aah6157

INSIGHTS

PERSPECTIVES

538 EMPEROR YU'S GREAT FLOOD

Geological data provide support for a legendary flood in China ~4000 years ago
By D. R. Montgomery
► REPORT P. 579

539 BRINGING ORDER TO THE EXPANDING FERMION ZOO

Crystallographic classification provides an inventory of the electron-like particles that emerge in a lattice world
By C. Beenakker
► RESEARCH ARTICLE P. 558

541 HOW DO SUNFLOWERS FOLLOW THE SUN—AND TO WHAT END?

Solar tracking may provide sunflowers with an unexpected evolutionary benefit
By W. R. Briggs
► REPORT P. 587

542 BENEFITS OF SELECTIVE FEEDING

Microbes engineered to digest unusual nutrients outcompete contaminants in chemicals production
By R. M. Lennen
► REPORT P. 583

543 A NANOVIEW OF BATTERY OPERATION

Single cathode particles for lithium-ion batteries are analyzed during cycling
By S. B. Schougaard
► REPORT P. 566

POLICY FORUMS

545 THE FDA IS PROHIBITED FROM GOING GERMLINE

Full stop: U.S. Congress precludes human germline modification
By I. G. Cohen and E. Y. Adashi

547 CHINA-U.S. COOPERATION TO ADVANCE NUCLEAR POWER

Mass-manufacturing and coordinated approvals are key
By J. Cao et al.

BOOKS ET AL.

549 ALMIGHTY

By D. Zak, reviewed by A. Wellerstein

550 TRUTH OR TRUTHINESS

By H. Wainer, reviewed by C. J. Phillips

LETTERS

551 DECIPHERING P VALUES: BEWARE FALSE CERTAINTY

By C. L. Hewitt et al.

551 DECIPHERING P VALUES: DEFINING SIGNIFICANCE

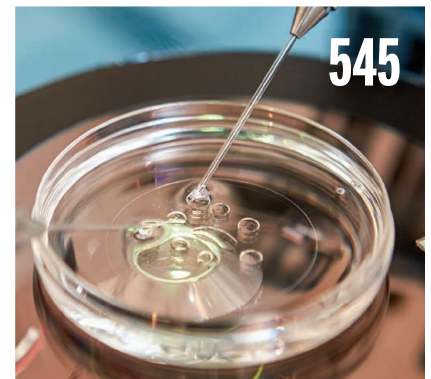
By F. Phillips

551 EXPANDING PROTECTED AREAS IS NOT ENOUGH

By A. L. M. Chauvenet and M. Barnes

552 TECHNICAL COMMENT ABSTRACTS

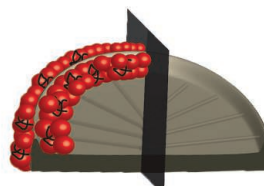
552 ERRATA





575

Electron chirality



590

Mineral templating in coccoliths

RESEARCH

IN BRIEF

553 From *Science* and other journals

REVIEW

556 CRISPR EVOLUTION

Diverse evolutionary roots and mechanistic variations of the CRISPR-Cas systems *P. Mohanraju et al.*

REVIEW SUMMARY; FOR FULL TEXT:

dx.doi.org/10.1126/science.aad5147

► RESEARCH ARTICLE P. 557

RESEARCH ARTICLES

557 CRISPR EVOLUTION

C2c2 is a single-component programmable RNA-guided RNA-targeting CRISPR effector *O. O. Abudayyeh et al.*

RESEARCH ARTICLE SUMMARY; FOR FULL TEXT:

dx.doi.org/10.1126/science.aad5573

► REVIEW P. 556

558 TOPOLOGICAL MATTER

Beyond Dirac and Weyl fermions: Unconventional quasiparticles in conventional crystals *B. Bradlyn et al.*

RESEARCH ARTICLE SUMMARY; FOR FULL TEXT:

dx.doi.org/10.1126/science.aaf5037

► PERSPECTIVE P. 539

REPORTS

559 SHAPE-MEMORY ALLOYS

Grain-resolved analysis of localized deformation in nickel-titanium wire under tensile load *P. Sedmák et al.*

563 CATALYSIS

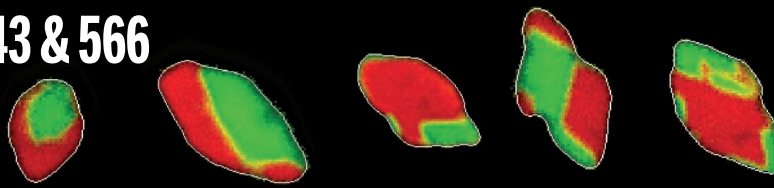
Direct conversion of methane to aromatics in a catalytic co-ionic membrane reactor *S. H. Morejudo et al.*

566 ANALYTICAL METHODS

Origin and hysteresis of lithium compositional spatiodynamics within battery primary particles *J. Lim et al.*

► PERSPECTIVE P. 543

543 & 566



571 NANOMATERIALS

Permanent excimer superstructures by supramolecular networking of metal quantum clusters

B. Santiago-Gonzalez et al.

575 GRAPHENE

Tuning the valley and chiral quantum state of Dirac electrons in van der Waals heterostructures

J. R. Wallbank et al.

579 ARCHAEOLOGY

Outburst flood at 1920 BCE supports historicity of China's Great Flood and the Xia dynasty *Q. Wu et al.*

► PERSPECTIVE P. 538; VIDEO

583 BIOENGINEERING

Metabolic engineering of microbial competitive advantage for industrial fermentation processes

A. J. Shaw et al.

► PERSPECTIVE P. 542

587 PLANT SCIENCE

Circadian regulation of sunflower heliotropism, floral orientation, and pollinator visits *H. S. Atamian et al.*

► PERSPECTIVE P. 541; VIDEO

590 BIOMINERALIZATION

Macromolecular recognition directs calcium ions to coccolith mineralization sites *A. Gal et al.*

594 STRUCTURAL BIOLOGY

The inhibition mechanism of human 20S proteasomes enables next-generation inhibitor design

J. Schrader et al.

598 MOLECULAR IMAGING

Spatial organization of chromatin domains and compartments in single chromosomes *S. Wang et al.*

603 AXONAL DEGENERATION

RIPK1 mediates axonal degeneration by promoting inflammation and necroptosis in ALS *Y. Ito et al.*

DEPARTMENTS

523 EDITORIAL

JIFfy Pop

By Jeremy Berg

618 WORKING LIFE

Working my way out

By Jason Cantley

ON THE COVER



Sunflower head just before floral maturation, with the Sun setting behind it. Whereas mature sunflowers always face east, young sunflower plants track the Sun from east to west during the day

and then reorient overnight to face east in anticipation of dawn. Both heliotropic growth patterns are mediated by the circadian clock and enhance pollinator visits and plant yield. See pages 541 and 587.

Photo: Stephen Coleman/Alamy

Science Staff	522
New Products	610
Science Careers	612

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353 (6299)

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