



## FEATURES

### 288 UNTANGLING SPIDER BIOLOGY

Genomics begins to unravel the roots of spider diversity and the recipes of their silk and venom *By E. Pennisi*

► VIDEO

### 292 A SPINNER'S SECRETS

A living fiber factory *By V. Altounian, E. Pennisi, and R. F. Service*

### 293 SILKEN PROMISES

Spider silk products are finally edging into the market. But mass-produced, superstrong fibers remain out of reach *By R. F. Service*

## ON THE COVER



Genomics data, including full sequences of the golden orb-weaver (*Nephila clavipes*) and other species, are revolutionizing our understanding of spider evolution.

These data are also revealing the molecular complexities of spider venom and their silk, which companies have long sought to commercialize—with little success so far. See pages 288 and 293. *Photo: Westend61 GmbH/Alamy Stock Photo*

## NEWS

### IN BRIEF

**280** News at a glance

### IN DEPTH

#### 282 A SPACETIME TREMOR AND A CELESTIAL LIGHT SHOW

Unprecedented view of a neutron-star collision is a scientific gold mine *By A. Cho*

► PERSPECTIVE P. 301; VIDEO

#### 283 ANALYSIS OF CHINA'S ONE-CHILD POLICY SPARKS UPROAR

Colleagues call demographer's findings flawed and irresponsible

*By M. Hvistendahl*

#### 285 TRUMP TEAM RAISES PRICE TAG FOR 2020 CENSUS

Funding squeeze has hampered development of cost-saving technologies

*By J. Mervis*

#### 286 EMAILS REVEAL PRESSURES ON NIH GUN RESEARCH

Agency staff wanted program on firearms violence to continue *By M. Wadman*

#### 287 STORMS AWAIT WEATHER EXECUTIVE AT CLIMATE AGENCY

If confirmed as NOAA head, Barry Myers would face a wary staff and the fraught politics of climate change *By P. Voosen*

## FEATURES

### 295 ORIGINAL SIN

Some artifacts have questionable origins, and its initial mission was religious. Can the Museum of the Bible win scholarly respect? *By L. Wade*

► PODCAST

## INSIGHTS

### POLICY FORUM

#### 298 DIGITAL NATURE: ARE FIELD TRIPS A THING OF THE PAST?

Expand the reach of science education using games and simulations, but choose tools wisely *By D. J. McCauley*

## PERSPECTIVES

### 301 A COSMIC MULTIMESSENGER GOLD RUSH

Merging neutron stars provide an electromagnetic counterpart to gravitational waves

*By J. S. Bloom and S. Sigurdsson*

► NEWS STORY P. 282

### 303 FLICKING THE SWITCH ON A MOLECULAR GATE

Electric fields change the permeability of a metal-organic framework membrane *By J. Gascon*

► REPORT P. 347

### 304 CONVERTING MOFS INTO AMINATION CATALYSTS

Pyrolysis of metal-organic frameworks creates graphitic carbon-coated cobalt nanoparticles *By L.-F. Chen and Q. Xu*

► RESEARCH ARTICLE P. 326

### 305 NERVES SWITCH ON ANGIOGENIC METABOLISM

Adrenergized blood vessels contribute to prostate cancer progression

*By Y. Hayakawa and T. C. Wang*

► RESEARCH ARTICLE P. 321

### 307 A BIOCHEMICAL SULFUR DELIVERY SERVICE

A steady supply of iron-sulfur clusters sustains biosynthesis of the lipoyl cofactor *By A. C. Rosenzweig*

► REPORT P. 373

### 308 INTESTINAL INFLAMMATION INDUCED BY ORAL BACTERIA

Colonization of intestine by oral bacteria can induce inflammatory disorders *By X. Cao*

► REPORT P. 359



# CONTENTS



## 308 & 359

Oral bacteria in the gut

20 OCTOBER 2017 • VOLUME 358 • ISSUE 6361

### BOOKS ET AL.

#### 310 IN OVER OUR HEADS

An urgent treatise on rising sea levels predicts a wild and watery future  
*By J. Lamond*

#### 311 BREAKING BAD ALGORITHMS

Biased tech design prompts a writer to call for resistance  
*By A. L. Hoffmann*

### LETTERS

#### 312 DEEP RISKS FROM OFFSHORE DEVELOPMENT

*By A. F. Bernardino and P. Y. G. Sumida*

#### 312 CULTURALLY INCLUSIVE STEM EDUCATION

*By A. J. Zellmer and A. Sherman*

#### 313 INCENTIVES FOR GALÁPAGOS PROTECTION

*By L. R. Gerber and D. Quiroga*

#### 314 TECHNICAL COMMENT ABSTRACTS

#### 314 ERRATA

## RESEARCH

### IN BRIEF

316 From *Science* and other journals

### REVIEW

#### 319 OPTICS

Ultraslow waves on the nanoscale  
*K. L. Tsakmakidis et al.*

REVIEW SUMMARY; FOR FULL TEXT:  
[dx.doi.org/10.1126/science.aan5196](https://doi.org/10.1126/science.aan5196)



### RESEARCH ARTICLES

#### 320 INNATE IMMUNITY

Natural polyreactive IgA antibodies coat the intestinal microbiota  
*J. J. Bunker et al.*

RESEARCH ARTICLE SUMMARY; FOR FULL TEXT:  
[dx.doi.org/10.1126/science.aan6619](https://doi.org/10.1126/science.aan6619)

#### 321 CANCER

Adrenergic nerves activate an angiometabolic switch in prostate cancer  
*A. H. Zahalka et al.*

► PERSPECTIVE P. 305

#### 326 CATALYSIS

MOF-derived cobalt nanoparticles catalyze a general synthesis of amines

*R. V. Jagadeesh et al.*

► PERSPECTIVE P. 304

### REPORTS

#### 332 2D MATERIALS

A liquid metal reaction environment for the room-temperature synthesis of atomically thin metal oxides  
*A. Zavabeti et al.*

#### 336 CHEMICAL PHYSICS

Encoding of vinylidene isomerization in its anion photoelectron spectrum

*J. A. DeVine et al.*

#### 340 MOLECULAR MACHINES

Rotary and linear molecular motors driven by pulses of a chemical fuel

*S. Erbas-Cakmak et al.*

#### 344 NANOPHOTONICS

Chaos-assisted broadband momentum transformation in optical microresonators

*X. Jiang et al.*

#### 347 FRAMEWORK COMPOUNDS

Defibrillation of soft porous metal-organic frameworks with electric fields  
*A. Knebel et al.*

► PERSPECTIVE P. 303

#### 352 POLYMERS

Single polymer growth dynamics  
*C. Liu et al.*

#### 356 CHEMICAL PHYSICS

Quantum control of molecular collisions at 1 kelvin  
*W. E. Perreault et al.*

### 359 MICROBIOTA

Ectopic colonization of oral bacteria in the intestine drives  $T_H1$  cell induction and inflammation  
*K. Atarashi et al.*

► PERSPECTIVE P. 308

### 365 EVOLUTION

Recent natural selection causes adaptive evolution of an avian polygenic trait  
*M. Bosse et al.*

### 369 NEUROSCIENCE

Learning-enhanced coupling between ripple oscillations in association cortices and hippocampus  
*D. Khodagholy et al.*

### 373 ENZYMOLOGY

Destruction and reformation of an iron-sulfur cluster during catalysis by lipoyl synthase  
*E. L. McCarthy and S. J. Booker*

► PERSPECTIVE P. 307

### 377 SIGNAL TRANSDUCTION

Crystal structure of the human lysosomal mTORC1 scaffold complex and its impact on signaling  
*M. E. G. de Araujo et al.*

### 381 STRUCTURAL BIOLOGY

$D_4$  dopamine receptor high-resolution structures enable the discovery of selective agonists  
*S. Wang et al.*

### 386 EVO-DEVO

Taxon-restricted genes at the origin of a novel trait allowing access to a new environment  
*M. E. Santos et al.*

### DEPARTMENTS

#### 279 EDITORIAL

Brexit and European science  
*By Alex Halliday and Jörg Hacker*

#### 414 WORKING LIFE

From patients to partners  
*By Peter DelNero and Alexandra McGregor*

Science Staff ..... 278  
New Products ..... 394  
Science Careers ..... 395

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