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1. Experimental evidence of massive-scale emotional contagion through social networks
(/cgi/content/short/111/24/8788?rss=1&ssource=mfr)
2. Spontaneous knotting of an agitated string
(/cgi/content/short/104/42/16432?rss=1&ssource=mfr)
3. Evidence for elevated and spatially variable geothermal flux beneath the West Antarctic Ice Sheet
(/cgi/content/short/111/25/9070?rss=1&ssource=mfr)
4. Rescuing US biomedical research from its systemic flaws
(/cgi/content/short/111/16/5773?rss=1&ssource=mfr)
5. Active learning increases student performance in science, engineering, and mathematics
(/cgi/content/short/111/23/8410?rss=1&ssource=mfr)

50 Most-Read Articles »

(/reports/most-read)

1. Social Sciences - Psychological and Cognitive Sciences:

Adam D. I. Kramer, Jamie E. Guillory, and Jeffrey T. Hancock

Experimental evidence of massive-scale emotional contagion through social networks

PNAS (Proceedings of the National Academy of Sciences) 2014 111 (24) 8788-8790; published ahead of print June 2, 2014, doi:10.1073/pnas.1320040111



Abstract (/content/111/24/8788.abstract) **Full Text (HTML)**
(/content/111/24/8788.full) **Full Text (PDF)** (/content/111/24/8788.full.pdf+html)
Figures Only (/content/111/24/8788.figures-only)

2. Physical Sciences - Physics:

Dorian M. Raymer and Douglas E. Smith

Spontaneous knotting of an agitated string

PNAS (Proceedings of the National Academy of Sciences) 2007 104 (42) 16432-16437; published ahead of print October 2, 2007, doi:10.1073/pnas.0611320104

Abstract (/content/104/42/16432.abstract) **Full Text (HTML)**
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Figures Only (/content/104/42/16432.figures-only) **Supporting Movies**
(/content/104/42/16432/suppl/DC1)

3. Physical Sciences - Earth, Atmospheric, and Planetary Sciences:

Dustin M. Schroeder, Donald D. Blankenship, Duncan A. Young, and Enrica Quartini

Evidence for elevated and spatially variable geothermal flux beneath the West Antarctic Ice Sheet

PNAS (Proceedings of the National Academy of Sciences) 2014 111 (25) 9070-9072; published ahead of print June 9, 2014, doi:10.1073/pnas.1405184111



Abstract (/content/111/25/9070.abstract) **Full Text (HTML)**
(/content/111/25/9070.full) **Full Text (PDF)** (/content/111/25/9070.full.pdf+html)
Figures Only (/content/111/25/9070.figures-only) **Supporting Information**
(/content/111/25/9070/suppl/DCSupplemental)

4. Perspective - Biological Sciences - Medical Sciences:

Bruce Alberts, Marc W. Kirschner, Shirley Tilghman, and Harold Varmus

Rescuing US biomedical research from its systemic flaws

PNAS (Proceedings of the National Academy of Sciences) 2014 111 (16) 5773-5777; published ahead of print April 14, 2014, doi:10.1073/pnas.1404402111

Abstract (/content/111/16/5773.abstract) **Full Text (HTML)**
(/content/111/16/5773.full) **Full Text (PDF)** (/content/111/16/5773.full.pdf+html)

5. Social Sciences - Psychological and Cognitive Sciences:

Scott Freeman, Sarah L. Eddy, Miles McDonough, Michelle K. Smith, Nnadozie Okoroafor, Hannah Jordt, and Mary Pat Wenderoth

Active learning increases student performance in science, engineering, and mathematics

PNAS (Proceedings of the National Academy of Sciences) 2014 111 (23) 8410-8415; published ahead of print May 12, 2014, doi:10.1073/pnas.1319030111



Abstract (/content/111/23/8410.abstract) **Full Text (HTML)**
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Figures Only (/content/111/23/8410.figures-only) **Supporting Information**
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6. Social Sciences - Psychological and Cognitive Sciences:

Bodily maps of emotions

PNAS (Proceedings of the National Academy of Sciences) 2014 111 (2) 646-651; published ahead of print December 30, 2013, doi:10.1073/pnas.1321664111



Abstract (/content/111/2/646.abstract) **Full Text (HTML)** (/content/111/2/646.full)
Full Text (PDF) (/content/111/2/646.full.pdf+html) **Figures Only**
(/content/111/2/646.figures-only) **Supporting Information**
(/content/111/2/646/suppl/DCSupplemental)

7. **Social Sciences - Psychological and Cognitive Sciences:**

Kiju Jung, Sharon Shavitt, Madhu Viswanathan, and Joseph M. Hilbe

Female hurricanes are deadlier than male hurricanes

PNAS (Proceedings of the National Academy of Sciences) 2014 111 (24) 8782-8787; published ahead of print June 2, 2014, doi:10.1073/pnas.1402786111

Abstract (/content/111/24/8782.abstract) **Full Text (HTML)**
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Figures Only (/content/111/24/8782.figures-only) **Supporting Information**
(/content/111/24/8782/suppl/DCSupplemental)

8. **Social Sciences - Social Sciences:**

Shai Danziger, Jonathan Levav, and Liora Avnaim-Pesso

Extraneous factors in judicial decisions

PNAS (Proceedings of the National Academy of Sciences) 2011 108 (17) 6889-6892; published ahead of print April 11, 2011, doi:10.1073/pnas.1018033108

Abstract (/content/108/17/6889.abstract) **Full Text (HTML)**
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Figures Only (/content/108/17/6889.figures-only) **Supporting Information**
(/content/108/17/6889/suppl/DCSupplemental)

9. **Biological Sciences - Neuroscience:**

Kirk I. Erickson, Michelle W. Voss, Ruchika Shaurya Prakash, Chandramallika Basak, Amanda Szabo, Laura Chaddock, Jennifer S. Kim, Susie Heo, Heloisa Alves, Siobhan M. White, Thomas R. Wojcicki, Emily Mailey, Victoria J. Vieira, Stephen A. Martin, Brandt D. Pence, Jeffrey A. Woods, Edward McAuley, and Arthur F. Kramer

Exercise training increases size of hippocampus and improves memory

PNAS (Proceedings of the National Academy of Sciences) 2011 108 (7) 3017-3022; published ahead of print January 31, 2011, doi:10.1073/pnas.1015950108

Abstract (/content/108/7/3017.abstract) **Full Text (HTML)** (/content/108/7/3017.full)
Full Text (PDF) (/content/108/7/3017.full.pdf+html) **Figures Only**
(/content/108/7/3017.figures-only) **Supporting Information**
(/content/108/7/3017/suppl/DCSupplemental)

10. **Biological Sciences - Evolution - Physical Sciences - Computer Sciences:**

Erick Chastain, Adi Livnat, Christos Papadimitriou, and Umesh Vazirani

Algorithms, games, and evolution

PNAS (Proceedings of the National Academy of Sciences) 2014 ; published ahead of print June 16, 2014, doi:10.1073/pnas.1406556111



Abstract (/content/early/2014/06/11/1406556111.abstract) **Full Text (PDF)**
(/content/early/2014/06/11/1406556111.full.pdf+html) **Supporting Information**
(/content/early/2014/06/11/1406556111/suppl/DCSupplemental)

11. **Physical Sciences - Applied Mathematics - Biological Sciences - Evolution:**

David A. Kessler and Herbert Levine

Large population solution of the stochastic Luria–Delbrück evolution model

PNAS (Proceedings of the National Academy of Sciences) 2013 110 (29) 11682-11687; published ahead of print July 1, 2013, doi:10.1073/pnas.1309667110

Abstract (/content/110/29/11682.abstract) **Full Text (HTML)**
(/content/110/29/11682.full) **Full Text (PDF)** (/content/110/29/11682.full.pdf+html)
Figures Only (/content/110/29/11682.figures-only)

12. **Social Sciences - Economic Sciences:**

Theodore C. Bergstrom, Paul N. Courant, R. Preston McAfee, and Michael A. Williams

Evaluating big deal journal bundles

PNAS (Proceedings of the National Academy of Sciences) 2014 111 (26) 9425-9430;

Abstract (/content/111/26/9425.abstract) **Full Text (HTML)**
(/content/111/26/9425.full) **Full Text (PDF)** (/content/111/26/9425.full.pdf+html)
Supporting Information (/content/111/26/9425/suppl/DCSupplemental)

13. **Social Sciences - Social Sciences:**

Michal Kosinski, David Stillwell, and Thore Graepel

Private traits and attributes are predictable from digital records of human behavior

PNAS (Proceedings of the National Academy of Sciences) 2013 110 (15) 5802-5805;
published ahead of print March 11, 2013, doi:10.1073/pnas.1218772110



Abstract (/content/110/15/5802.abstract) **Full Text (HTML)**
(/content/110/15/5802.full) **Full Text (PDF)** (/content/110/15/5802.full.pdf+html)
Figures Only (/content/110/15/5802.figures-only) **Supporting Information**
(/content/110/15/5802/suppl/DCSupplemental)

14. **Research Article:**

J Kirn, B O'Loughlin, S Kasparian, and F Nottebohm

Cell death and neuronal recruitment in the high vocal center of adult male canaries are temporally related to changes in song

PNAS (Proceedings of the National Academy of Sciences) 1994 91 (17) 7844-7848

Abstract (/content/91/17/7844.abstract) **Full Text (PDF)**
(/content/91/17/7844.full.pdf+html)

15. **Biological Sciences - Genetics:**

Peristera Paschou, Petros Drineas, Evangelia Yannaki, Anna Razou, Katerina Kanaki, Fotis Tsetsos, Shanmukha Sampath Padmanabhuni, Manolis Michalodimitrakis, Maria C. Renda, Sonja Pavlovic, Achilles Anagnostopoulos, John A. Stamatoyannopoulos, Kenneth K. Kidd, and George Stamatoyannopoulos

Maritime route of colonization of Europe

PNAS (Proceedings of the National Academy of Sciences) 2014 111 (25) 9211-9216;
published ahead of print June 9, 2014, doi:10.1073/pnas.1320811111



Abstract (/content/111/25/9211.abstract) **Full Text (HTML)**
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Figures Only (/content/111/25/9211.figures-only) **Supporting Information**
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16. **Social Sciences - Psychological and Cognitive Sciences:**

Daniel Kahneman and Angus Deaton

High income improves evaluation of life but not emotional well-being

PNAS (Proceedings of the National Academy of Sciences) 2010 107 (38) 16489-16493;
published ahead of print September 7, 2010, doi:10.1073/pnas.1011492107



Abstract (/content/107/38/16489.abstract) **Full Text (HTML)**
(/content/107/38/16489.full) **Full Text (PDF)** (/content/107/38/16489.full.pdf+html)
Figures Only (/content/107/38/16489.figures-only)

17. **Biological Sciences - Genetics:**

Aravind Subramanian, Pablo Tamayo, Vamsi K. Mootha, Sayan Mukherjee, Benjamin L. Ebert, Michael A. Gillette, Amanda Paulovich, Scott L. Pomeroy, Todd R. Golub, Eric S. Lander, and Jill P. Mesirov

Gene set enrichment analysis: A knowledge-based approach for interpreting genome-wide expression profiles

PNAS (Proceedings of the National Academy of Sciences of the United States of America) 2005 102 (43) 15545-15550; published ahead of print September 30, 2005, doi:10.1073/pnas.0506580102



Abstract (/content/102/43/15545.abstract) **Full Text (HTML)**
(/content/102/43/15545.full) **Full Text (PDF)** (/content/102/43/15545.full.pdf+html)
Figures Only (/content/102/43/15545.figures-only) **Supporting Information**
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18. **Colloquium Paper:**

David Tilman and Clarence Lehman

Human-caused environmental change: Impacts on plant diversity and evolution

PNAS (Proceedings of the National Academy of Sciences) 2001 98 (10) 5433-5440;
doi:10.1073/pnas.091093198

Abstract (/content/98/10/5433.abstract) **Full Text (HTML)** (/content/98/10/5433.full)
Full Text (PDF) (/content/98/10/5433.full.pdf+html) **Figures Only**
(/content/98/10/5433.figures-only)

19. **Biological Sciences - Psychology:**

Philip Teitelbaum, Osnat Teitelbaum, Jennifer Nye, Joshua Fryman, and Ralph G. Maurer

Movement analysis in infancy may be useful for early diagnosis of autism

PNAS (Proceedings of the National Academy of Sciences) 1998 95 (23) 13982-13987;
doi:10.1073/pnas.95.23.13982

Abstract (/content/95/23/13982.abstract) **Full Text (HTML)**
(/content/95/23/13982.full) **Full Text (PDF)** (/content/95/23/13982.full.pdf+html)
Figures Only (/content/95/23/13982.figures-only)

20. **PNAS Plus - Biological Sciences - Physiology:**

Wouter De Haes, Lotte Frootinckx, Roel Van Assche, Arne Smolders, Geert Depuydt, Johan Billen,
Bart P. Braeckman, Lilliane Schoofs, and Liesbet Temmerman

Metformin promotes lifespan through mitohormesis via the peroxiredoxin PRDX-2

PNAS (Proceedings of the National Academy of Sciences) 2014 111 (24) E2501-E2509;
published ahead of print June 2, 2014, doi:10.1073/pnas.1321776111



Abstract (/content/111/24/E2501.abstract) **Full Text (HTML)**
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Figures Only (/content/111/24/E2501.figures-only) **Supporting Information**
(/content/111/24/E2501/suppl/DCSupplemental)

21. **Biological Sciences - Microbiology:**

Brunella Taddeo, Ting Rong Luo, Weiran Zhang, and Bernard Roizman

Activation of NF- κ B in cells productively infected with HSV-1 depends on activated protein kinase R and plays no apparent role in blocking apoptosis

PNAS (Proceedings of the National Academy of Sciences) 2003 100 (21) 12408-12413;
published ahead of print October 6, 2003, doi:10.1073/pnas.2034952100

Abstract (/content/100/21/12408.abstract) **Full Text (HTML)**
(/content/100/21/12408.full) **Full Text (PDF)** (/content/100/21/12408.full.pdf+html)
Figures Only (/content/100/21/12408.figures-only)

22. **Social Sciences - Psychological and Cognitive Sciences:**

Corinne A. Moss-Racusin, John F. Dovidio, Victoria L. Brescoll, Mark J. Graham, and Jo Handelsman

Science faculty's subtle gender biases favor male students

PNAS (Proceedings of the National Academy of Sciences) 2012 109 (41) 16474-16479;
published ahead of print September 17, 2012, doi:10.1073/pnas.1211286109



Abstract (/content/109/41/16474.abstract) **Full Text (HTML)**
(/content/109/41/16474.full) **Full Text (PDF)** (/content/109/41/16474.full.pdf+html)
Figures Only (/content/109/41/16474.figures-only) **Supporting Information**
(/content/109/41/16474/suppl/DCSupplemental)

23. **PNAS Plus - Biological Sciences - Medical Sciences:**

Carla S. Möller-Levet, Simon N. Archer, Giselda Bucca, Emma E. Laing, Ana Slak, Renata Kabiljo,
June C. Y. Lo, Nayantara Santhi, Malcolm von Schantz, Colin P. Smith, and Derk-Jan Dijk

Effects of insufficient sleep on circadian rhythmicity and expression amplitude of the human blood transcriptome

PNAS (Proceedings of the National Academy of Sciences) 2013 110 (12) E1132-E1141;
published ahead of print February 25, 2013, doi:10.1073/pnas.1217154110



Abstract (/content/110/12/E1132.abstract) **Full Text (HTML)**
(/content/110/12/E1132.full) **Full Text (PDF)** (/content/110/12/E1132.full.pdf+html)
Figures Only (/content/110/12/E1132.figures-only) **Supporting Information**
(/content/110/12/E1132/suppl/DCSupplemental)

24. **Social Sciences - Environmental Sciences:**

William R. L. Anderegg, James W. Prall, Jacob Harold, and Stephen H. Schneider

Expert credibility in climate change

PNAS (Proceedings of the National Academy of Sciences) 2010 107 (27) 12107-12109;
published ahead of print June 21, 2010, doi:10.1073/pnas.1003187107



Abstract (/content/107/27/12107.abstract) **Full Text (HTML)**
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Figures Only (/content/107/27/12107.figures-only) **Supporting Information**
(/content/107/27/12107/suppl/DCSupplemental)

25. **Biological Sciences - Evolution:**

Brian S. Mautz, Bob B. M. Wong, Richard A. Peters, and Michael D. Jennions

Penis size interacts with body shape and height to influence male attractiveness

PNAS (Proceedings of the National Academy of Sciences) 2013 110 (17) 6925-6930;
published ahead of print April 8, 2013, doi:10.1073/pnas.1219361110

Abstract (/content/110/17/6925.abstract) **Full Text (HTML)**
(/content/110/17/6925.full) **Full Text (PDF)** (/content/110/17/6925.full.pdf+html)
Figures Only (/content/110/17/6925.figures-only) **Supporting Information**
(/content/110/17/6925/suppl/DCSupplemental)

26. **From the Academy - U.S. Frontiers Of Science Symposium:**

Jenny R. Saffran, Ann Senghas, and John C. Trueswell

The acquisition of language by children

PNAS (Proceedings of the National Academy of Sciences) 2001 98 (23) 12874-12875;
published ahead of print October 30, 2001, doi:10.1073/pnas.231498898

Extract (/content/98/23/12874.extract) **Full Text (HTML)** (/content/98/23/12874.full)
Full Text (PDF) (/content/98/23/12874.full.pdf+html)

27. **Biological Sciences - Neuroscience:**

Andrew E. Hudson, Diany Paola Calderon, Donald W. Pfaff, and Alex Proekt

Recovery of consciousness is mediated by a network of discrete metastable activity states

PNAS (Proceedings of the National Academy of Sciences) 2014 111 (25) 9283-9288;
published ahead of print June 9, 2014, doi:10.1073/pnas.1408296111



Abstract (/content/111/25/9283.abstract) **Full Text (HTML)**
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Figures Only (/content/111/25/9283.figures-only) **Videos**
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(/content/111/25/9283/suppl/DCSupplemental)

28. **Agriculture Development and Nutrition Security Special Feature - Perspective - Social Sciences - Sustainability Science:**

Prabhu L. Pingali

Green Revolution: Impacts, limits, and the path ahead

PNAS (Proceedings of the National Academy of Sciences) 2012 109 (31) 12302-12308;
published ahead of print July 23, 2012, doi:10.1073/pnas.0912953109

Abstract (/content/109/31/12302.abstract) **Full Text (HTML)**
(/content/109/31/12302.full) **Full Text (PDF)** (/content/109/31/12302.full.pdf+html)

29. **Biological Sciences - Psychology:**

Lloyd Kaufman and James H. Kaufman

Explaining the moon illusion

PNAS (Proceedings of the National Academy of Sciences) 2000 97 (1) 500-505;
doi:10.1073/pnas.97.1.500



Abstract (/content/97/1/500.abstract) **Full Text (HTML)** (/content/97/1/500.full)
Full Text (PDF) (/content/97/1/500.full.pdf+html) **Figures Only**
(/content/97/1/500.figures-only) **Supplemental Data** (/content/97/1/500/suppl/DC1)

30. **Biological Sciences - Plant Biology:**

Yun Bao, Pooja Aggarwal, Neil E. Robbins II, Craig J. Sturrock, Mark C. Thompson, Han Qi Tan, Cliff Tham, Lina Duan, Pedro L. Rodriguez, Teva Vernoux, Sacha J. Mooney, Malcolm J. Bennett, and José R. Dinneny

Plant roots use a patterning mechanism to position lateral root branches toward available water

PNAS (Proceedings of the National Academy of Sciences) 2014 111 (25) 9319-9324;
published ahead of print June 9, 2014, doi:10.1073/pnas.1400966111



Abstract (/content/111/25/9319.abstract) **Full Text (HTML)**

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Figures Only (/content/111/25/9319.figures-only) Videos
(/content/111/25/9319.videos-only) Supporting Information
(/content/111/25/9319/suppl/DCSupplemental)

31. **PNAS Plus - Biological Sciences - Cell Biology:**

Eliza C. Small, Liqun Xi, Ji-Ping Wang, Jonathan Widom, and Jonathan D. Licht

Single-cell nucleosome mapping reveals the molecular basis of gene expression heterogeneity

PNAS (Proceedings of the National Academy of Sciences) 2014 111 (24) E2462-E2471;
published ahead of print June 2, 2014, doi:10.1073/pnas.1400517111



Abstract (/content/111/24/E2462.abstract) **Full Text (HTML)**
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Figures Only (/content/111/24/E2462.figures-only) **Supporting Information**
(/content/111/24/E2462/suppl/DCSupplemental)

32. **Social Sciences - Psychological and Cognitive Sciences:**

Eyal Abraham, Talma Hendler, Irit Shapira-Lichter, Yaniv Kanat-Maymon, Orna Zagoory-Sharon,
and Ruth Feldman

Father's brain is sensitive to childcare experiences

PNAS (Proceedings of the National Academy of Sciences) 2014 ; published ahead of print
May 27, 2014, doi:10.1073/pnas.1402569111



Abstract (/content/early/2014/05/22/1402569111.abstract) **Full Text (PDF)**
(/content/early/2014/05/22/1402569111.full.pdf+html) **Supporting Information**
(/content/early/2014/05/22/1402569111/suppl/DCSupplemental)

33. **Research Article:**

B N Ames, M Profet, and L S Gold

Dietary pesticides (99.99% all natural).

PNAS (Proceedings of the National Academy of Sciences) 1990 87 (19) 7777-7781;
doi:10.1073/pnas.87.19.7777

Abstract (/content/87/19/7777.abstract) **Full Text (PDF)**
(/content/87/19/7777.full.pdf+html)

34. **Social Sciences - Psychological and Cognitive Sciences:**

Jesse R. Harrington and Michele J. Gelfand

Tightness-looseness across the 50 united states

PNAS (Proceedings of the National Academy of Sciences) 2014 111 (22) 7990-7995;
published ahead of print May 19, 2014, doi:10.1073/pnas.1317937111



Abstract (/content/111/22/7990.abstract) **Full Text (HTML)**
(/content/111/22/7990.full) **Full Text (PDF)** (/content/111/22/7990.full.pdf+html)
Figures Only (/content/111/22/7990.figures-only) **Supporting Information**
(/content/111/22/7990/suppl/DCSupplemental)

35. **Biological Sciences - Medical Sciences:**

GuangJun Zhang, Sebastian Hoersch, Adam Amsterdam, Charles A. Whittaker, Jacqueline A. Lees,
and Nancy Hopkins

Highly aneuploid zebrafish malignant peripheral nerve sheath tumors have genetic alterations similar to human cancers

PNAS (Proceedings of the National Academy of Sciences) 2010 107 (39) 16940-16945;
published ahead of print September 13, 2010, doi:10.1073/pnas.1011548107

Abstract (/content/107/39/16940.abstract) **Full Text (HTML)**
(/content/107/39/16940.full) **Full Text (PDF)** (/content/107/39/16940.full.pdf+html)
Figures Only (/content/107/39/16940.figures-only) **Supporting Information**
(/content/107/39/16940/suppl/DCSupplemental)

36. **PNAS Plus - Biological Sciences - Plant Biology:**

Yasunori Ichihashi, José Antonio Aguilar-Martínez, Moran Farhi, Daniel H. Chitwood, Ravi Kumar,
Lee V. Millon, Jie Peng, Julin N. Maloof, and Neelima R. Sinha

Evolutionary developmental transcriptomics reveals a gene network module regulating interspecific diversity in plant leaf shape

PNAS (Proceedings of the National Academy of Sciences) 2014 111 (25) E2616-E2621;
published ahead of print June 9, 2014, doi:10.1073/pnas.1402835111



Abstract (/content/111/25/E2616.abstract) **Full Text (HTML)**
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Figures Only (/content/111/25/E2616.figures-only) **Supporting Information**
(/content/111/25/E2616/suppl/DCSupplemental)

37. **Biological Sciences - Systems Biology:**

David Furman, Boris P. Hejblum, Noah Simon, Vladimir Jojic, Cornelia L. Dekker, Rodolphe Thiébaud, Robert J. Tibshirani, and Mark M. Davis

Systems analysis of sex differences reveals an immunosuppressive role for testosterone in the response to influenza vaccination

PNAS (Proceedings of the National Academy of Sciences) 2014 111 (2) 869-874; published ahead of print December 23, 2013, doi:10.1073/pnas.1321060111



Abstract (/content/111/2/869.abstract) **Full Text (HTML)** (/content/111/2/869.full)
Full Text (PDF) (/content/111/2/869.full.pdf+html) **Figures Only**
(/content/111/2/869.figures-only) **Supporting Information**
(/content/111/2/869/suppl/DCSupplemental)

38. **Biological Sciences - Cell Biology:**

Ben A. Croker, Joanne A. O'Donnell, Cameron J. Nowell, Donald Metcalf, Grant Dewson, Kirsteen J. Campbell, Kelly L. Rogers, Yifang Hu, Gordon K. Smyth, Jian-Guo Zhang, Michael White, Kurt Lackovic, Louise H. Cengia, Lorraine A. O'Reilly, Philippe Bouillet, Suzanne Cory, Andreas Strasser, and Andrew W. Roberts

Fas-mediated neutrophil apoptosis is accelerated by Bid, Bak, and Bax and inhibited by Bcl-2 and Mcl-1

PNAS (Proceedings of the National Academy of Sciences) 2011 108 (32) 13135-13140; published ahead of print July 18, 2011, doi:10.1073/pnas.1110358108

Abstract (/content/108/32/13135.abstract) **Full Text (HTML)**
(/content/108/32/13135.full) **Full Text (PDF)** (/content/108/32/13135.full.pdf+html)
Figures Only (/content/108/32/13135.figures-only) **Supporting Information**
(/content/108/32/13135/suppl/DCSupplemental)

39. **Biological Sciences - Plant Biology:**

Chengzhen Liang, Yiqin Wang, Yana Zhu, Jiuyou Tang, Bin Hu, Linchuan Liu, Shujun Ou, Hongkai Wu, Xiaohong Sun, Jinfang Chu, and Chengcai Chu

OsNAP connects abscisic acid and leaf senescence by fine-tuning abscisic acid biosynthesis and directly targeting senescence-associated genes in rice

PNAS (Proceedings of the National Academy of Sciences) 2014 ; published ahead of print June 20, 2014, doi:10.1073/pnas.1321568111



Abstract (/content/early/2014/06/19/1321568111.abstract) **Full Text (PDF)**
(/content/early/2014/06/19/1321568111.full.pdf+html) **Supporting Information**
(/content/early/2014/06/19/1321568111/suppl/DCSupplemental)

40. **Biological Sciences - Sustainability Science - Physical Sciences - Sustainability Science:**

Jeffrey W. Moody, Christopher M. McGinty, and Jason C. Quinn

Global evaluation of biofuel potential from microalgae

PNAS (Proceedings of the National Academy of Sciences) 2014 111 (23) 8691-8696; published ahead of print May 27, 2014, doi:10.1073/pnas.1321652111



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41. **PNAS Plus - Social Sciences - Psychological and Cognitive Sciences:**

Madeline H. Meier, Avshalom Caspi, Antony Ambler, HonaLee Harrington, Renate Houts, Richard S. E. Keefe, Kay McDonald, Aimee Ward, Richie Poulton, and Terrie E. Moffitt

Persistent cannabis users show neuropsychological decline from childhood to midlife

PNAS (Proceedings of the National Academy of Sciences) 2012 109 (40) E2657–E2664; published ahead of print August 27, 2012, doi:10.1073/pnas.1206820109

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42. **Social Sciences - Psychological and Cognitive Sciences:**

Paul K. Piff, Daniel M. Stancato, Stéphane Côté, Rodolfo Mendoza-Denton, and Dacher Keltner

Higher social class predicts increased unethical behavior

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43. **Biological Sciences - Genetics:**

Kirill A. Datsenko and Barry L. Wanner

One-step inactivation of chromosomal genes in *Escherichia coli* K-12 using PCR products

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44. **Commentary - Social Sciences - Psychological and Cognitive Sciences:**

Carl E. Wieman

Large-scale comparison of science teaching methods sends clear message

PNAS (Proceedings of the National Academy of Sciences) 2014 111 (23) 8319-8320;
published ahead of print May 22, 2014, doi:10.1073/pnas.1407304111

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45. **Social Sciences - Psychology:**

Susanne M. Jaeggi, Martin Buschkuhl, John Jonides, and Walter J. Perrig

Improving fluid intelligence with training on working memory

PNAS (Proceedings of the National Academy of Sciences) 2008 105 (19) 6829-6833;
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46. **Biological Sciences - Cell Biology:**

Ru-hang Tang, Xi-Long Zheng, Thomas E. Callis, William E. Stansfield, Jiayin He, Albert S. Baldwin, Da-Zhi Wang, and Craig H. Selzman

Myocardin inhibits cellular proliferation by inhibiting NF- κ B(p65)-dependent cell cycle progression

PNAS (Proceedings of the National Academy of Sciences) 2008 105 (9) 3362-3367;
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47. **Biological Sciences - Cell Biology:**

Blanca B. Diaz-Rohrer, Kandice R. Levental, Kai Simons, and Ilya Levental

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48. **From the Academy:**

Kathleen Collins, Tyler Jacks, and Nikola P. Pavletich

The cell cycle and cancer

PNAS (Proceedings of the National Academy of Sciences) 1997 94 (7) 2776-2778

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49. **Physical Sciences - Environmental Sciences - Biological Sciences - Environmental Sciences:**

J. Timothy Wootton, Catherine A. Pfister, and James D. Forester

Dynamic patterns and ecological impacts of declining ocean pH in a high-resolution multi-year dataset

PNAS (Proceedings of the National Academy of Sciences) 2008 105 (48) 18848-18853; published ahead of print November 24, 2008, doi:10.1073/pnas.0810079105



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50. **Perspective - Biological Sciences - Genetics:**

Manolis Kellis, Barbara Wold, Michael P. Snyder, Bradley E. Bernstein, Anshul Kundaje, Georgi K. Marinov, Lucas D. Ward, Ewan Birney, Gregory E. Crawford, Job Dekker, Ian Dunham, Laura L. Elnitski, Peggy J. Farnham, Elise A. Feingold, Mark Gerstein, Morgan C. Giddings, David M. Gilbert, Thomas R. Gingeras, Eric D. Green, Roderic Guigo, Tim Hubbard, Jim Kent, Jason D. Lieb, Richard M. Myers, Michael J. Pazin, Bing Ren, John A. Stamatoyannopoulos, Zhiping Weng, Kevin P. White, and Ross C. Hardison

Defining functional DNA elements in the human genome

PNAS (Proceedings of the National Academy of Sciences) 2014 111 (17) 6131-6138; published ahead of print April 21, 2014, doi:10.1073/pnas.1318948111



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