

# Journal Scan July 2008

## From planet.pks

Back to Biophys Journal Scan.

List of Journal Scan Assignments.

- <br> represents a new line and # numbers the citations in your section.
- Copy and paste the template as is and omit empty lines between entries.
- Include a URL for the abstract in place of http://abstract.citation (the square brackets will take care of linking).

## Contents

- 1 ArXiv
- 2 Bioinformatics
- 3 Biophysical Journal
- 4 Cell
- 5 Development
- 6 European Physical Journal E
- 7 Europhysics Letters
- 8 Journal of Cell Biology
- 9 Journal of the Royal Society Interface
- 10 Journal of Theoretical Biology
- 11 Nature
- 12 Nature Cell Biology
- 13 Nature Neuroscience
- 14 Nature Physics
- 15 Neuron
- 16 Physical Biology
- 17 Physical Review E
- 18 Physical Review Letters
- 19 PLoS Biology
- 20 PLoS Computational Biology
- 21 PNAS
- 22 Proceedings of the Royal Society B
- 23 Science

## ArXiv

1. **Author(s)**  
**Title of highlighted article**  
**Journal/Volume/Pages (http://abstract.citation)**
2. **Author(s)**  
**Title of article**  
**Journal/Volume/Pages (http://abstract.citation)**

## Bioinformatics

1. Yong Li, Pankaj Agarwal and Dilip Rajagopalan

A global pathway crosstalk network  
 Bioinformatics 24 No 12: 1442-1447

(<http://bioinformatics.oxfordjournals.org/cgi/content/abstract/24/12/1442>)

- Junil Kim, Tae-Geon Kim, Sung Hoon Jung, Jeong-Rae Kim, Taesung Park, Pat Heslop-Harrison and Kwang-Hyun Cho  
 Evolutionary design principles of modules that control cellular differentiation: consequences for hysteresis and multistationarity  
 Bioinformatics 24 No 13: 1516-1522  
 (<http://bioinformatics.oxfordjournals.org/cgi/content/abstract/24/13/1516>)

## Biophysical Journal

- Aurelia R. Honerkamp-Smith, Pietro Cicuta, Marcus D. Collins, Sarah L. Veatch, Marcel den Nijs, M. Schick and Sarah L. Keller  
 Line Tensions, Correlation Lengths, and Critical Exponents in Lipid Membranes Near Critical Points  
 Biophys. J. 95: 236-246. (<http://www.biophysj.org/cgi/content/abstract/95/1/236>)
- Núria Gavara, Pere Roca-Cusachs, Raimon Sunyer, Ramon Farré and Daniel Navajas  
 Mapping Cell-Matrix Stresses during Stretch Reveals Inelastic Reorganization of the Cytoskeleton  
 Biophys. J. 95: 464-471. (<http://www.biophysj.org/cgi/content/abstract/95/1/464>)
- Minchul Kang, and Anne K. Kenworthy  
 A Closed-Form Analytic Expression for FRAP Formula for the Binding Diffusion Model  
 Biophys. J. 95: L13-L15L. (<http://www.biophysj.org/cgi/content/abstract/95/2/L13>)
- Alice Nicolas, Achim Besser and Samuel A. Safran  
 Dynamics of Cellular Focal Adhesions on Deformable Substrates: Consequences for Cell Force Microscopy  
 Biophys. J. 95: 527-539. (<http://www.biophysj.org/cgi/content/abstract/95/2/527>)
- Paul D. W. Kirk, Tina Toni and Michael P. H. Stumpf  
 Parameter Inference for Biochemical Systems that Undergo a Hopf Bifurcation  
 Biophys. J. 95: 540-549. (<http://www.biophysj.org/cgi/content/abstract/95/2/540>)
- Michael Kücken, Jordi Soriano, Pramod A. Pullarkat, Albrecht Ott and Ernesto M. Nicola  
 An Osmoregulatory Basis for Shape Oscillations in Regenerating Hydra  
 Biophys. J. 95: 978-985. (<http://www.biophysj.org/cgi/content/abstract/95/2/978>)

## Cell

- Koszul R, Kim KP, Prentiss M, Kleckner N, Kameoka S  
 Meiotic chromosomes move by linkage to dynamic actin cables with transduction of force through the nuclear envelope  
 Cell. 2008 Jun 27;133(7):1188-201  
 (<http://www.cell.com/content/article/abstract?uid=PIIS0092867408006867>)
- Conrad MN, Lee CY, Chao G, Shinohara M, Kosaka H, Shinohara A, Conchello JA, Dresser ME  
 Rapid telomere movement in meiotic prophase is promoted by NDJ1, MPS3, and CSM4 and is modulated by recombination  
 Cell. 2008 Jun 27;133(7):1175-87 (<http://www.cell.com/content/article/abstract?uid=PIIS009286740800679X>)
- Patterson GH, Hirschberg K, Polishchuk RS, Gerlich D, Phair RD, Lippincott-Schwartz J  
 Transport through the Golgi apparatus by rapid partitioning within a two-phase membrane system  
 Cell. 2008 Jun 13;133(6):1055-67 (<http://www.cell.com/content/article/abstract?uid=PIIS0092867408006181>)

## Development

- Author(s)  
 Title of highlighted article  
 Journal/Volume/Pages (<http://abstract.citation>)
- Author(s)  
 Title of article  
 Journal/Volume/Pages (<http://abstract.citation>)

## European Physical Journal E

1. A. Šiber, M. Dragar, V. A. Parsegian, and R. Podgornik  
Packing nanomechanics of viral genomes  
EPJ E **26**, 317-325 (2008) (<http://www.springerlink.com/content/8r4882071630m16g>)

1. **Author(s)**  
**Title of highlighted article**  
**Journal/Volume/Pages (<http://abstract.citation>)**
2. Author(s)  
Title of article  
Journal/Volume/Pages (<http://abstract.citation>)

## Europhysics Letters

1. A. Gomez-Marin, J.M Parrondo and C. Van den Broeck  
The "footprints" of irreversibility  
EPL **82**, 50002 (2008)[1] ([http://www.iop.org/EJ/article/0295-5075/82/5/50002/epl\\_82\\_5\\_50002.pdf](http://www.iop.org/EJ/article/0295-5075/82/5/50002/epl_82_5_50002.pdf))
2. A. Santiago, R. Benito  
An extended formalism for preferential attachment in heterogeneous complex networks  
EPL **82**, 58004(2008)[2] ([http://www.iop.org/EJ/article/0295-5075/82/5/58004/epl\\_82\\_5\\_58004.pdf](http://www.iop.org/EJ/article/0295-5075/82/5/58004/epl_82_5_58004.pdf))
3. K. Kosmidis, S. Havlin and A. Bunde  
Structural properties of spatially embedded networks  
EPL **82**, 48005(2008)[3] ([http://www.iop.org/EJ/article/0295-5075/82/4/48005/epl\\_82\\_4\\_48005.pdf](http://www.iop.org/EJ/article/0295-5075/82/4/48005/epl_82_4_48005.pdf))
4. A. Oleinikova, I. Brovchenko, A.Krukau and A.K. Mazur  
Anomalous diffusion of ions at the surface of hydrated DNA molecule  
EPL **82**, 46002(2008)[4] ([http://www.iop.org/EJ/article/0295-5075/82/4/46002/epl\\_82\\_4\\_46002.pdf](http://www.iop.org/EJ/article/0295-5075/82/4/46002/epl_82_4_46002.pdf))

## Journal of Cell Biology

1. **Author(s)**  
**Title of highlighted article**  
**Journal/Volume/Pages (<http://abstract.citation>)**
2. Author(s)  
Title of article  
Journal/Volume/Pages (<http://abstract.citation>)

## Journal of the Royal Society Interface

1. **Author(s)**  
**Title of highlighted article**  
**Journal/Volume/Pages (<http://abstract.citation>)**
2. Author(s)  
Title of article  
Journal/Volume/Pages (<http://abstract.citation>)

## Journal of Theoretical Biology

1. E. Ferrada and A. Wagner  
Protein robustness promotes evolutionary innovations on large evolutionary time-scales  
Proc Biol Sci / **275**(1643) / 1595-1602 (<http://www.ncbi.nlm.nih.gov/pubmed/18430649>)

## Nature

1. Brett A. Melbourne & Alan Hastings

- Extinction risk depends strongly on factors contributing to stochasticity  
Nature 454, 100-103 (<http://www.nature.com/nature/journal/v454/n7200/full/nature06922.html>)
2. Hiroshi Suzuki, Tod R. Thiele, Serge Faumont, Marina Ezcurra, Shawn R. Lockery & William R. Schafer  
Functional asymmetry in *Caenorhabditis elegans* taste neurons and its computational role in chemotaxis  
Nature 454, 114-117 (<http://www.nature.com/nature/journal/v454/n7200/full/nature06927.html>)
  3. Brian G. Fuller, Michael A. Lampson, Emily A. Foley, Sara Rosasco-Nitcher, Kim V. Le, Page Tobelmann, David L. Brautigan, P. Todd Stukenberg & Tarun M. Kapoor  
Midzone activation of aurora B in anaphase produces an intracellular phosphorylation gradient  
Nature 453, 1132-1136 (<http://www.nature.com/nature/journal/v453/n7198/full/nature06923.html>)
  4. Jun-Xian Shen, Albert S. Feng, Zhi-Min Xu, Zu-Lin Yu, Victoria S. Arch, Xin-Jian Yu & Peter M. Narins  
Ultrasonic frogs show hyperacute phonotaxis to female courtship calls  
Nature 453, 914-916 (<http://www.nature.com/nature/journal/v453/n7197/full/nature06719.html>)
  5. David A. Orlando, Charles Y. Lin, Allister Bernard, Jean Y. Wang, Joshua E. S. Socolar, Edwin S. Iversen, Alexander J. Hartemink & Steven B. Haase  
Global control of cell-cycle transcription by coupled CDK and network oscillators  
Nature 453, 944-947 (<http://www.nature.com/nature/journal/v453/n7197/full/nature06955.html>)
  6. Danny Ben-Zvi, Ben-Zion Shilo, Abraham Fainsod & Naama Barkai  
Scaling of the BMP activation gradient in *Xenopus* embryos  
Nature 453, 1205-1211 (<http://www.nature.com/nature/journal/v453/n7199/abs/nature07059.html>)

## Nature Cell Biology

Zhenye Yang, Jadranka Lonc caronarek, Alexey Khodjakov & Conly L. Rieder  
Extra centrosomes and/or chromosomes prolong mitosis in human cells  
Nature Cell Biol. 10 748 - 751 (<http://www.nature.com/ncb/journal/v10/n6/abs/ncb1738.html>)

Carolina Eliscovich, Isabel Peset, Isabelle Vernos & Raúl Méndez  
Spindle-localized CPE-mediated translation controls meiotic chromosome segregation  
Nature Cell Biol. 10, 858 - 865 (<http://www.nature.com/ncb/journal/v10/n7/abs/ncb1746.html>)

## Nature Neuroscience

1. **Author(s)**  
Title of highlighted article  
Journal/Volume/Pages (<http://abstract.citation>)
2. Author(s)  
Title of article  
Journal/Volume/Pages (<http://abstract.citation>)

## Nature Physics

1. **Author(s)**  
Title of highlighted article  
Journal/Volume/Pages (<http://abstract.citation>)
2. Author(s)  
Title of article  
Journal/Volume/Pages (<http://abstract.citation>)

## Neuron

1. **Author(s)**  
Title of highlighted article  
Journal/Volume/Pages (<http://abstract.citation>)
2. Author(s)  
Title of article  
Journal/Volume/Pages (<http://abstract.citation>)

## Physical Biology

1. Stuart A Newman and Ramray Bhat  
Dynamical patterning modules: physico-genetic determinants of morphological development and evolution  
Phys. Biol. 5 (2008) 1-14 ([http://www.iop.org/EJ/article/1478-3975/5/1/015008/ph8\\_1\\_015008.html](http://www.iop.org/EJ/article/1478-3975/5/1/015008/ph8_1_015008.html))
2. **Author(s)**  
**Title of highlighted article**  
**Journal/Volume/Pages (<http://abstract.citation>)**
3. Author(s)  
Title of article  
Journal/Volume/Pages (<http://abstract.citation>)

## Physical Review E

1. **Author(s)**  
**Title of highlighted article**  
**Journal/Volume/Pages (<http://abstract.citation>)**
2. Author(s)  
Title of article  
Journal/Volume/Pages (<http://abstract.citation>)

## Physical Review Letters

1. **Author(s)**  
**Title of highlighted article**  
**Journal/Volume/Pages (<http://abstract.citation>)**
2. Author(s)  
Title of article  
Journal/Volume/Pages (<http://abstract.citation>)

## PLoS Biology

1. Bulleri F, Bruno JF, Benedetti-Cecchi L.  
Beyond competition: incorporating positive interactions between species to predict ecosystem invasibility.  
PLoS Biol. 2008 Jun 24;6(6):e162  
(<http://biology.plosjournals.org/perlserv/?request=get-document&doi=10.1371%2Fjournal.pbio.0060162>)
2. Shamma S.  
On the emergence and awareness of auditory objects.  
PLoS Biol. 2008 Jun 24;6(6):e155  
(<http://biology.plosjournals.org/perlserv/?request=get-document&doi=10.1371%2Fjournal.pbio.0060155>)
3. Nahum M, Nelken I, Ahissar M.  
Low-level information and high-level perception: the case of speech in noise.  
PLoS Biol. 2008 May 20;6(5):e126  
(<http://biology.plosjournals.org/perlserv/?request=get-document&doi=10.1371%2Fjournal.pbio.0060126>)
4. Gutschalk A, Micheyl C, Oxenham AJ.  
Neural correlates of auditory perceptual awareness under informational masking.  
PLoS Biol. 2008 Jun 10;6(6):e138.  
(<http://biology.plosjournals.org/perlserv/?request=get-document&doi=10.1371%2Fjournal.pbio.0060138>)
5. Basañez G, Hardwick JM.  
Unravelling the bcl-2 apoptosis code with a simple model system.  
PLoS Biol. 2008 Jun 17;6(6):e154.  
(<http://biology.plosjournals.org/perlserv/?request=get-document&doi=10.1371%2Fjournal.pbio.0060154>)
6. Geisen MJ, Di Meglio T, Pasqualetti M, Ducret S, Brunet JF, Chedotal A, Rijli FM.  
Hox paralog group 2 genes control the migration of mouse pontine neurons through slit-robo signaling.  
PLoS Biol. 2008 Jun 10;6(6):e142  
(<http://biology.plosjournals.org/perlserv/?request=get-document&doi=10.1371%2Fjournal.pbio.0060142>)

7. Süel KE, Gu H, Chook YM.  
Modular organization and combinatorial energetics of proline-tyrosine nuclear localization signals.  
PLoS Biol. 2008 Jun 3;6(6):e137  
(<http://biology.plosjournals.org/perlserv/?request=get-document&doi=10.1371%2Fjournal.pbio.0060137>)
8. Billen LP, Kokoski CL, Lovell JF, Leber B, Andrews DW  
Bcl-XL inhibits membrane permeabilization by competing with Bax.  
PLoS Biol. 2008 Jun 10;6(6):e147  
(<http://biology.plosjournals.org/perlserv/?request=get-document&doi=10.1371%2Fjournal.pbio.0060147>)
9. Chin CS, Chubukov V, Jolly ER, DeRisi J, Li H.  
Dynamics and design principles of a basic regulatory architecture controlling metabolic pathways.  
PLoS Biol. 2008 Jun 17;6(6):e146  
(<http://biology.plosjournals.org/perlserv/?request=get-document&doi=10.1371%2Fjournal.pbio.0060146>)
10. Zhao J, Niu W, Yao J, Mohr S, Marcotte EM, Lambowitz AM  
Group II Intron Protein Localization and Insertion Sites Are Affected by Polyphosphate  
PLoS Biol. 2008 Jun 17;6(6):e150  
(<http://biology.plosjournals.org/perlserv/?request=get-document&doi=10.1371%2Fjournal.pbio.0060150>)
11. Pizzari T, Foster KR.  
Sperm sociality: cooperation, altruism, and spite.  
PLoS Biol. 2008 May 27;6(5):e130  
(<http://biology.plosjournals.org/perlserv/?request=get-document&doi=10.1371%2Fjournal.pbio.0060130>)
12. Ellington AD.  
Man versus machine versus ribozyme.  
PLoS Biol. 2008 May 27;6(5):e132  
(<http://biology.plosjournals.org/perlserv/?request=get-document&doi=10.1371%2Fjournal.pbio.0060132>)
13. Tylianakis JM, Rand TA, Kahmen A, Klein AM, Buchmann N, Perner J, Tscharrntke T  
Resource Heterogeneity Moderates the Biodiversity-Function Relationship in Real World Ecosystems.  
PLoS Biol. 2008 May 20;6(5):e122  
(<http://biology.plosjournals.org/perlserv/?request=get-document&doi=10.1371%2Fjournal.pbio.0060122>)
14. Kadener S, Menet JS, Schoer R, Rosbash M.  
Circadian transcription contributes to core period determination in Drosophila.  
PLoS Biol. 2008 May 20;6(5):e119  
(<http://biology.plosjournals.org/perlserv/?request=get-document&doi=10.1371%2Fjournal.pbio.0060119>)
15. Ray A, van Naters WvdG, Carlson JR  
A Regulatory Code for Neuron-Specific Odor Receptor Expression  
PLoS Biol. 2008 May 20;6(5):e125  
(<http://biology.plosjournals.org/perlserv/?request=get-document&doi=10.1371%2Fjournal.pbio.0060125>)
16. Zauberman N, Mutsafi Y, Halevy DB, Shimoni E, Klein E, Xiao C, Sun S, Minsky A.  
Distinct DNA exit and packaging portals in the virus Acanthamoeba polyphaga mimivirus.  
PLoS Biol. 2008 May 13;6(5):e114  
(<http://biology.plosjournals.org/perlserv/?request=get-document&doi=10.1371%2Fjournal.pbio.0060114>)

## PLoS Computational Biology

1. **Author(s)**  
**Title of highlighted article**  
**Journal/Volume/Pages (<http://abstract.citation>)**
2. Author(s)  
Title of article  
Journal/Volume/Pages (<http://abstract.citation>)

## PNAS

1. Natasza A. Kurpios, Marta Ibañes, Nicole M. Davis, Wei Lui, Tamar Katz, James F. Martin, Juan Carlos Izpisua Belmonte, and Clifford J. Tabin  
The direction of gut looping is established by changes in the extracellular matrix and in cell:cell adhesion  
PNAS June 24, 2008 vol. 105 no. 25 8499-8506 (<http://www.pnas.org/cgi/content/short/105/25/8499>)
2. Tsvi Tlusty  
Casting polymer nets to optimize noisy molecular codes

- PNAS June 17, 2008 vol. 105 no. 24 8238-8243 (<http://www.pnas.org/cgi/content/short/105/24/8238>)
3. Aurelie Bertin, Michael A. McMurray, Patricia Grob, Sang-Shin Park, Galo Garcia, III, Insiyyah Patanwala, Ho-leung Ng, Tom Alber, Jeremy Thorner, and Eva Nogales  
Saccharomyces cerevisiae septins: Supramolecular organization of heterooligomers and the mechanism of filament assembly  
PNAS June 17, 2008 vol. 105 no. 24 8274-8279 (<http://www.pnas.org/cgi/content/short/105/24/8274>)
  4. Weinan E, Tiejun Li, and Eric Vanden-Eijnden  
Optimal partition and effective dynamics of complex networks  
PNAS June 10, 2008 vol. 105 no. 23 7907-7912 (<http://www.pnas.org/cgi/content/short/105/23/7907>)
  5. Zachary D. Blount, Christina Z. Borland, and Richard E. Lenski  
Inaugural Article: Historical contingency and the evolution of a key innovation in an experimental population of Escherichia coli  
PNAS June 10, 2008 vol. 105 no. 23 7899-7906 (<http://www.pnas.org/cgi/content/short/105/23/7899>)
  6. C. H. A. Cheng, L. H. Kellogg, S. Shkoller, and D. L. Turcotte  
A liquid-crystal model for friction  
PNAS June 10, 2008 vol. 105 no. 23 7930-7935 (<http://www.pnas.org/cgi/content/short/105/23/7930>)
  7. Andrea Puglisi, Andrea Baronchelli, and Vittorio Loreto  
Cultural route to the emergence of linguistic categories  
PNAS June 10, 2008 vol. 105 no. 23 7936-7940 (<http://www.pnas.org/cgi/content/short/105/23/7936>)
  8. M. G. L. Van den Heuvel, M. P. de Graaff, and C. Dekker  
Microtubule curvatures under perpendicular electric forces reveal a low persistence length  
PNAS June 10, 2008 vol. 105 no. 23 7941-7946 (<http://www.pnas.org/cgi/content/short/105/23/7941>)
  9. Ashkan Vaziri and L. Mahadevan  
Localized and extended deformations of elastic shells  
PNAS June 10, 2008 vol. 105 no. 23 7913-7918 (<http://www.pnas.org/cgi/content/short/105/23/7913>)
  10. F. Marty Ytreberg and Daniel M. Zuckerman  
A black-box re-weighting analysis can correct flawed simulation data  
PNAS June 10, 2008 vol. 105 no. 23 7982-7987 (<http://www.pnas.org/cgi/content/short/105/23/7982>)
  11. Paige M. Shaklee, Timon Idema, Gerbrand Koster, Cornelis Storm, Thomas Schmidt, and Marileen Dogterom  
Bidirectional membrane tube dynamics driven by nonprocessive motors  
PNAS June 10, 2008 vol. 105 no. 23 7993-7997 (<http://www.pnas.org/cgi/content/short/105/23/7993>)
  12. Yusuke Oguchi, Sergey V. Mikhailenko, Takashi Ohki, Adrian O. Olivares, Enrique M. De La Cruz, and Shin'ichi Ishiwata  
Load-dependent ADP binding to myosins V and VI: Implications for subunit coordination and function  
PNAS June 3, 2008 vol. 105 no. 22 7714-7719 (<http://www.pnas.org/cgi/content/short/105/22/7714>)
  13. Jizhong Zhou, Sanghoon Kang, Christopher W. Schadt, and Charles T. Garten, Jr.  
Spatial scaling of functional gene diversity across various microbial taxa  
PNAS June 3, 2008 vol. 105 no. 22 7768-7773 (<http://www.pnas.org/cgi/content/short/105/22/7768>)

## Proceedings of the Royal Society B

1. **Author(s)**  
**Title of highlighted article**  
**Journal/Volume/Pages (<http://abstract.citation>)**
2. Author(s)  
Title of article  
Journal/Volume/Pages (<http://abstract.citation>)

## Science

1. Lothar Schermelleh, David Agard, Mats Gustafsson, Heinrich Leonhardt, John Sedat, et al.  
Subdiffraction Multicolor Imaging of the Nuclear Periphery with 3D Structured Illumination Microscopy  
Science Volume 320, Number 5881, Pages 1332-1336.  
(<http://www.science.org/cgi/content/full/320/5881/1332>)
2. Kris Blair, Linda Turner, Jared Winkelman, Howard Berg, Daniel Kearns  
A Molecular Clutch Disables Flagella in the *Bacillus subtilis* Biofilm  
Science Volume 320, Number 5883, pages 1636-1638.  
(<http://www.science.org/cgi/content/full/320/5883/1636>)

3. Dorian C. Anderson, Jason S. Gill, Ryan M. Cinalli, and Jeremy Nance  
Polarization of the *C. elegans* Embryo by RhoGAP-Mediated Exclusion of PAR-6 from Cell Contacts  
*Science* Volume 320, Number 5884, pages 1771-1774.  
(<http://www.science.org/cgi/content/full/320/5884/1771>)
4. A. Nechiporuk, and D. W. Raible (27 June 2008)  
FGF-Dependent Mechanosensory Organ Patterning in Zebrafish  
*Science* 320 (5884), 1774-1777. DOI: 10.1126/science.1156547  
(<http://www.science.org/cgi/content/full/320/5884/1774>)
5. J. J. Kovacs, E. J. Whalen, R. Liu, K. Xiao, J. Kim, M. Chen, J. Wang, W. Chen, and R. J. Lefkowitz  
 $\beta$ -Arrestin-Mediated Localization of Smoothed to the Primary Cilium  
*Science* 320 (5884), 1777-1781. DOI: 10.1126/science.1157983  
(<http://www.science.org/cgi/content/full/320/5884/1777>)
6. J. Schummers, H. Yu, and M. Sur  
Tuned Responses of Astrocytes and Their Influence on Hemodynamic Signals in the Visual Cortex  
*Science* 320 (5883), 1638-1643. DOI: 10.1126/science.1156120  
(<http://www.science.org/cgi/content/full/320/5883/1638>)
7. I. Tagkopoulos, Y.-C. Liu, and S. Tavazoie  
Predictive Behavior Within Microbial Genetic Networks  
*Science* 320 (5881), 1313-1317. DOI: 10.1126/science.1154456  
(<http://www.science.org/cgi/content/full/320/5881/1313>)

Retrieved from "[http://planet.pks.mpg.de/wiki/Journal\\_Scan\\_July\\_2008](http://planet.pks.mpg.de/wiki/Journal_Scan_July_2008)"

---

- This page was last modified 07:14, 7 July 2008.