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- Busch-Vishniac, Ilene. *See* Muller, Carol B.
- Bussons Gordo, J. *See* Aharonian, F.
- Bustamante, Carlos. *See* Case, Ryan B. *See also* Pease, Paul J.
- Butow, Ronald A. *See* Chen, Xin Jie.
- Butterfield, David A. *See* Kelley, Deborah S.
- Büttner, Torsten; Geier, Jens; Frison, Gilles; Harmer, Jeffrey; Calle, Carlos; Schweiger, Arthur; Schönberg, Hartmut; Grützmaker, Hansjörg: A stable aminyl radical metal complex. p235 14 Jan 2005.
- Bybee, Rodger W. and Kennedy, Donald: Math and science achievement (editorial). p481 28 Jan 2005.
- Byrd, G. V. *See* Croll, D. A.

C

- Calcutt, S. B. *See* Flasar, F. M.
- Calle, Carlos. *See* Büttner, Torsten.
- Câmara, Gilberto; Aguiar, Ana Paula Dutra; Escada, Maria Isabel; Amaral, Silvana; Carneiro, Tiago; Monteiro, Antônio Miguel Vieira; Araújo, Roberto; Vieira, Ima; Becker, Bertha: Amazonian deforestation models (letter). p1043 18 Feb 2005.
- Cambau, Emmanuelle. *See* Andries, Koen.
- Camilo, Fernando. *See* Ransom, Scott M.
- Campanaro, S. *See* Vezzi, A.
- Campbell, Allan. *See* Altman, Sidney.
- Campbell, Eric G.: review of *On the Take*, by Jerome P. Kassirer. p1049 18 Feb 2005.
- Campillo, Michel. *See* Shapiro, Nikolai M.
- Campo, Brice. *See* Panda, Satchidananda.
- Candore, Giuseppina. *See* Caruso, Calogero.
- Cannata, N. *See* Vezzi, A.
- Cantor, Nancy. *See* Muller, Carol B.
- Canu, P. *See* Gurnett, D. A.
- Canup, Robin M.: A giant impact origin of Pluto-Charon. p546 28 Jan 2005.
- Cao, Changqun. *See* Grice, Kliti.
- Cardinale, Bradley J. *See* Raffaelli, David.
- Carlson, R. C. *See* Flasar, F. M.
- Carlsson, A. *See* Honkala, K.
- Carlton, Jane M. *See* Hall, Neil.
- Carneiro, Tiago. *See* Câmara, Gilberto.
- Carr, Michael H. *See* Solomon, Sean C.
- Carter, Emily A. *See* Muller, Carol B.
- Carter, Mark G. *See* Sakatani, Takashi.
- Carucci, Daniel J. *See* Hall, Neil.
- Caruso, Calogero; Candore, Giuseppina; Colonna-Romano, Giuseppina; Lio, Domenico; Franceschi, Claudio: Inflammation and life-span (letter). p208 14 Jan 2005.
- Carvalho, Antonio Bernardo and Clark, Andrew G.: Y chromosome of *D. pseudoobscura* is not homologous to the ancestral *Drosophila* Y. p108 7 Jan 2005.
- Casandjian, Jean-Marc. *See* Grenier, Isabelle A.
- Casasanto, Daniel: Crying “Whorf” (letter). p1721 18 Mar 2005.
- Casassus, Barbara (news): INSERM doubts criminality in growth hormone case. p1711 18 Mar 2005.
- Case, Ryan B.; Chang, Yun-Pei; Smith, Steven B.; Gore, Jeff; Cozzarelli, Nicholas R.; Bustamante, Carlos: Retraction (letter). p1409 4 Mar 2005.
- Cassey, Phillip. *See* Blackburn, Tim M.
- Castleman, A. W., Jr. *See* Bergeron, D. E.
- Castro, Ricardo M. C. *See* de Carvalho, Marcelo R.
- Castronovo, Samantha. *See* Roosild, Tarmo P.
- Catano, Gabriel. *See* Gonzalez, Enrique.
- Cavener, Douglas R. *See* Hao, Shuzhen.
- Cecconi, B. *See* Gurnett, D. A.
- Cerdà, Joan. *See* Fabra, Mercedes.
- Cerdeño-Tárraga, Ana M.; Patrick, Sheila; Crossman, Lisa C.; Blakely, Garry; Abratt, Val; Lennard, Nicola; Poxtan, Ian; Duerden, Brian; Harris, Barbara; Quail, Mike A.; Barron, Andrew; Clark, Louise; Corton, Craig; Doggett, Jonathan; Holden, Matthew T. G.; Larke, Natasha; Line, Alexandra; Lord, Angela; Norbertczak, Halina; Ormond, Doug; Price, Claire; Rabinowitsch, Ester; Woodward, John; Barrell, Bart; Parkhill, Julian: Extensive DNA inversions in the *B. fragilis* genome control variable gene expression. p1463 4 Mar 2005.
- Cestaro, A. *See* Vezzi, A.
- Chadwick, P. M. *See* Aharonian, F.
- Chamaillard, Mathias. *See* Kobayashi, Koichi S.
- Chan, Elayne M. *See* Lohi, Hannes.
- Chang, Henry. *See* Delamarre, Léila.
- Chang, Yun-Pei. *See* Case, Ryan B.
- Charmoz, S. *See* Porco, C. C.
- Chatterjee, Devasis. *See* Yuan, Zheng-long.
- Chazdon, Robin L. *See* Sezen, Uzay U.
- Chelikowsky, James R.: review of *The Story of Semiconductors*, by John Orton. p1724 18 Mar 2005.
- Chen, Benjie. *See* Fan, Melina.
- Chen, Bin; Zeng, Xiangbing; Baumeister, Ute; Ungar, Goran; Tschierske, Carsten: Liquid crystalline networks composed of pentagonal, square, and triangular cylinders. p96 7 Jan 2005.
- Chen, Chien-Huan. *See* Sonnenburg, Justin L.
- Chen, Lei. *See* Ortiz-Urda, Susana.
- Chen, Qijin. *See* Kinast, Joseph.
- Chen, Weidong. *See* Elion, Elaine A.
- Chen, Wei-Shen. *See* Amonlirdviman, Keith.
- Chen, Xiaomin. *See* O’Shea, John J.
- Chen, Xin Jie; Wang, Xiaowen; Kaufman, Brett A.; Butow, Ronald A.: Aconitase couples metabolic regulation to mitochondrial DNA maintenance. p714 4 Feb 2005.
- Chen, Xuemei. *See* Yu, Bin.
- Chen, Zheng-Yi. *See* Sage, Cyrille.
- Cheng, A. F. *See* Krimigis, S. M.
- Cheshnovsky, O. *See* Verlet, J. R. R.
- Chevalier, M.-L.; Ryerson, F. J.; Taponnier, P.; Finkel, R. C.; Van Der Woerd, J.; Haibing, Li; Qing, Liu: Slip-rate measurements on the Karakorum Fault may imply secular variations in fault motion. p411 21 Jan 2005.
- Chih, Ben; Engelman, Holly; Scheiffele, Peter: Control of excitatory and inhibitory synapse formation by neuroigins. p1324 25 Feb 2005.
- Chin, Y. Eugene. *See* Yuan, Zheng-long.
- Chisholm, Matthew F.; Kumar, Sharvan; Hazzledine, Peter: Dislocations in complex materials. p701 4 Feb 2005.
- Chiu, Readman. *See* Loftus, Brendan J.
- Cho, Adrian (news): Atom-based detector puts new twist on nuclear magnetic resonance. p1855 25 Mar 2005. Doubly special, twice as controversial. p867 11 Feb 2005. Special relativity reconsidered. p866 11 Feb 2005.
- Choe, Senyon. *See* Roosild, Tarmo P.
- Chollet, Matthieu; Guerin, Laurent; Uchida, Naoki; Fukaya, Souichi; Shimoda, Hiroaki; Ishikawa, Tadahiko; Matsuda, Kazunari; Hasegawa, Takumi; Ota, Akira; Yamochi, Hideki; Saito, Gunzi; Tazaki, Ryoko; Adachi, Shin-ichi; Koshihara, Shin-ya: Gigantic photoresponse in 1/4-filled-band organic salt (EDO-TTF)₂PF₆. p86 7 Jan 2005.
- Choo, T. *See* Krimigis, S. M.
- Chou-Green, Jennifer M. *See* Muller, Carol B.
- Chounet, L.-M. *See* Aharonian, F.
- Christensen, C. H. *See* Honkala, K.
- Christophides, Georges K. *See* Hall, Neil.
- Chubin, Daryl E. *See* Muller, Carol B.
- Chui, B. W. *See* Budakian, R.
- Churcher, Carol. *See* Hall, Neil.
- Cicak, K. *See* McDermott, R.
- Cimino, Daniel F. *See* Revankar, Chetana M.
- Ciocco, Michael V. *See* Kamakoti, Preeti.
- Cisne, John L.: How science survived: medieval manuscripts’ “demography” and classic texts’ extinction. p1305 25 Feb 2005.

- Clark, Andrew G. *See* Altshuler, David. *See also* Carvalho, Antonio Bernardo.
- Clark, Louise. *See* Cerdeño-Tárraga, Ana M.
- Clark, Matthew M. *See* Levine, James A.
- Clark, Robert A. *See* Gonzalez, Enrique.
- Clarkson, Jasper R.; Baquero, Esteban; Shubert, V. Alvin; Myshakin, Evgeniy M.; Jordan, Kenneth D.; Zwier, Timothy S.: Laser-initiated shuttling of a water molecule between H-bonding sites. p1443 4 Mar 2005.
- Claverie, Jean-Michel: French public research—saved? (editorial). p1169 25 Feb 2005.
- Clerly, Daniel (news): ‘Darwinian’ funding and the demise of physics and chemistry. p668 4 Feb 2005. Europe draws up its own strategy for visiting the moon and Mars. p28 7 Jan 2005. Forging a global network to watch the planet. p1182 25 Feb 2005.
- Clerly, Daniel. *See* Rowan, Linda.
- Cleveland, Don W. *See* Miller, Timothy M.
- Clevers, Hans. *See* Radtke, Freddy.
- Coates, A. J. *See* Young, D. T.
- Coen, Donald M. *See* Boyce, Michael.
- Cohen, Jon (news): Chemokine gene number tied to HIV susceptibility, but with a twist. p23 7 Jan 2005. Experts question danger of ‘AIDS superbug.’ p1185 25 Feb 2005. Gut assumes sinister new role in HIV pathogenesis. p1395 4 Mar 2005. More woes for novel HIV prevention approach. p1708 18 Mar 2005. Proposed legislation threatens to slow California stem cell rush. p1857 25 Mar 2005. A step toward cheaper anti-HIV therapy. p653 4 Feb 2005. Study questions the benefits of vaccinating the elderly. p1026 18 Feb 2005.
- Coizet, Véronique. *See* Dommett, Eleanor.
- Cole, Stewart T. and Alzari, Pedro M.: TB—a new target, a new drug (perspective). p214 14 Jan 2005.
- Coleman, Felicia C.; Figueira, Will F.; Ueland, Jeffrey S.; Crowder, Larry B. (letters): Global impact of recreational fisheries. p1561 11 Mar 2005. The recreational fisher’s perspective. p1560 11 Mar 2005.
- Collier, R. John. *See* Altman, Sidney.
- Collins, James J. *See* Isaacs, Farren J.
- Collins, Steve; Ruina, Andy; Tedrake, Russ; Wisse, Martijn: Efficient bipedal robots based on passive-dynamic walkers. p1082 18 Feb 2005.
- Collins, William D. *See* Meehl, Gerald A.
- Colonna-Romano, Giuseppina. *See* Caruso, Calogero.
- Colosimo, Pamela F.; Hosemann, Kim E.; Balabhadra, Sarita; Villarreal, Guadalupe, Jr.; Dickson, Mark; Grimwood, Jane; Schmutz, Jeremy; Myers, Richard M.; Schluter, Dolph; Kingsley, David M.: Widespread parallel evolution in sticklebacks by repeated fixation of ectodysplasin alleles. p1928 25 Mar 2005.
- Colquhoun, David: Abuse of prisoners at Abu Ghraib (letter). p1873 25 Mar 2005.
- Colwell, Joshua E. *See* Esposito, Larry W.
- Compagno, Leonard J. V. *See* de Carvalho, Marcelo R.
- Comstock, Laurie E. *See* Coyne, Michael J.
- Conkey, Margaret W. *See* Muller, Carol B.
- Connell, Nancy. *See* Altman, Sidney.
- Connolly, Harold C., Jr.: From stars to dust: looking into a circumstellar disk through chondritic meteorites. p75 7 Jan 2005.
- Conrath, B. J. *See* Flasar, F. M.
- Cooke, Steven J. *See* Arlinghaus, Robert.
- Coontz, Robert. *See* Rowan, Linda.
- Coontz, Robert; Osborne, Ian; Szuromi, Phil (news): A passion for physics. p865 11 Feb 2005.
- Cooper, Alan. *See* Larson, Greger.
- Cooper, David. *See* Balmford, Andrew.
- Cooper, K. B. *See* McDermott, R.
- Cooper, N. *See* Porco, C. C.
- Cordts, Simone. *See* Márton, Mihaela L.
- Corey, David P. *See* Sage, Cyrille.
- Cornelis, Guy R. *See* Mota, Luís Jaime.
- Cornell, Stephen J. *See* Green, Rhys E.
- Cornilleau-Wehrin, N. *See* Gurnett, D. A.
- Cornils, R. *See* Aharonian, F.
- Corselli, Cesare. *See* van der Wielen, Paul W. J. J.
- Corton, Craig. *See* Cerdeño-Tárraga, Ana M.
- Corwin, Jeffrey T. *See* Sage, Cyrille.
- Cossins, Andrew R. *See* Berenbrink, Michael.
- Cost, Gregory J. *See* Pease, Paul J.
- Costamante, L. *See* Aharonian, F.
- Côté, Isabelle M. *See* Balmford, Andrew.
- Courtin, R. *See* Flasar, F. M.
- Coustenis, A. *See* Flasar, F. M.
- Couzin, Jennifer (news): DNA tells story of heart drug failure. p1191 25 Feb 2005. Facing criticism, industry offers to share data. p189 14 Jan 2005. FDA panel urges caution on many anti-inflammatory drugs. p1183 25 Feb 2005. Gaps in the safety net. p196 14 Jan 2005. Lupus drug company asks FDA for second chance. p835 11 Feb 2005. Magnificent obsession. p1712 18 Mar 2005. Researchers puzzle over possible effect of Gleevec. p1711 18 Mar 2005.
- Couzin, Jennifer and Kaiser, Jocelyn (news): As Gelsinger case ends, gene therapy suffers another blow. p1028 18 Feb 2005.
- Covey, Douglas F. *See* Evason, Kimberley.
- Covington, Mark: A ringing confirmation of spintronics theory (perspective). p215 14 Jan 2005.
- Cowley, S. W. H. *See* Dougherty, M. K.
- Cox, David R. *See* Hinds, David A.
- Coyne, Jerry A.: Ernst Mayr (1904–2005) (perspective). p1212 25 Feb 2005.
- Coyne, Michael J.; Reinap, Barbara; Lee, Martin M.; Comstock, Laurie E.: Human symbionts use a host-like pathway for surface fucosylation. p1778 18 Mar 2005.
- Cozzarelli, Nicholas R. *See* Altman, Sidney. *See also* Case, Ryan B. *See also* Pease, Paul J.
- Crabtree, Gerald R. *See* Winslow, Monte M.
- Craig, Nancy L. *See* Altman, Sidney.
- Crain, J. N. and Pierce, D. T.: End states in one-dimensional atom chains. p703 4 Feb 2005.
- Crane, Peter. *See* Balmford, Andrew.
- Crary, F. J. *See* Young, D. T.
- Cravens, T. E. *See* Waite, J. H., Jr.
- Cremer, Paul S. *See* Griffiths, Joel S.
- Crimmins, Eileen M. *See* Finch, Caleb E.
- Croll, D. A.; Maron, J. L.; Estes, J. A.; Danner, E. M.; Byrd, G. V.: Introduced predators transform subarctic islands from grassland to tundra. p1959 25 Mar 2005.
- Crossman, Lisa C. *See* Cerdeño-Tárraga, Ana M.
- Crowder, Larry B. *See* Coleman, Felicia C.
- Croxall, John P.; Silk, Janet R. D.; Phillips, Richard A.; Afanasyev, Vsevolod; Briggs, Dirk R.: Global circumnavigations: tracking year-round ranges of nonbreeding albatrosses. p249 14 Jan 2005.
- Crump, Justin Gage. *See* Kishi, Masashi.
- Cubre, Alan. *See* Su, Helen.
- Cuddy, Amy J. C. *See* Fiske, Susan T.
- Cugini, Anthony V. *See* Kamakoti, Preeti.
- Culotta, Elizabeth (news): Battle erupts over the ‘hobbit’ bones. p1179 25 Feb 2005. Calorie count reveals Neandertals out-ate hardest modern hunters. p840 11 Feb 2005. Discoverers charge damage to ‘hobbit’ specimens. p1848 25 Mar 2005. Faces may lie when skulls tell tales. p840 11 Feb 2005. The question of sex. p841 11 Feb 2005.
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- Daffonchio, Daniele. *See* van der Wielen, Paul W. J. J.
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- Dai, Zu Rong. *See* Bradley, John.
- Dale, Janet. *See* Su, Helen.
- D’Amato, Francesca and Moles, Anna: Autism and deficits in attachment behavior (letter). p1201 25 Feb 2005.
- Damiana, Richard. *See* Gillson, Lindsey.
- Dandouras, J. *See* Krimigis, S. M.
- D’Angelo, M. *See* Vezzi, A.
- Daniels, Jane Zimmer. *See* Muller, Carol B.
- Danner, E. M. *See* Croll, D. A.
- Darst, Seth. *See* Altman, Sidney.
- Dashzeveg, Demberlyn. *See* Asher, Robert J.
- Daugherty, Sean C. *See* Seshadri, Rekha.
- D’Auria, Giuseppe. *See* van der Wielen, Paul W. J. J.
- Davies, Peter. *See* Stokin, Gorazd B.
- Davis, Ronald W. *See* Loftus, Brendan J.
- Dawson, D. D. *See* Porco, C. C.
- de Boom Witzel, Sten. *See* Sakatani, Takashi.
- de Carvalho, Marcelo R.; Bockmann, Flávio A.; Amorim, Dalton S.; de Vivo, Mário; de Toledo-Piza, Mônica; Menezes, Naércio A.; de Figueiredo, José L.; Castro, Ricardo M. C.; Gill, Anthony C.; McEachran, John D.; Compagno, Leonard J. V.; Schelly, Robert C.; Britz, Ralf; Lundberg, John G.; Vari, Richard P.; Nelson, Gareth: Revisiting the taxonomic impediment (letter). p353 21 Jan 2005.
- de Chaffoy, Didier. *See* Andries, Koen.
- de Figueiredo, José L. *See* de Carvalho, Marcelo R.
- de Heer, Walt A.; Poncharal, Philippe; Berger, Claire; Gezo, Joseph; Song, Zhimin; Bettini, Jefferson; Ugarte, Daniel: Liquid carbon, carbon-glass beads, and the crystallization of carbon nanotubes. p907 11 Feb 2005.
- de Jager, O. C. *See* Aharonian, F.
- De Kock, Michiel O. *See* Ward, Peter D.
- de Lange, Gert J. *See* van der Wielen, Paul W. J. J.
- de Lichtenberg, Ulrik; Jensen, Lars Juhl; Brunak, Søren; Bork, Peer: Dynamic complex formation during the yeast cell cycle. p724 4 Feb 2005.
- de Naurois, M. *See* Aharonian, F.
- de Toledo-Piza, Mônica. *See* de Carvalho, Marcelo R.
- de Vivo, Mário. *See* de Carvalho, Marcelo R.
- Dean, Antony M. *See* Zhu, Guoping.
- Deboy, Robert T. *See* Seshadri, Rekha.
- Deen, Peter M. T. *See* Fabra, Mercedes.
- Degrave, B. *See* Aharonian, F.
- DeGregori, Thomas R. *See* Avery, Alex A.
- Del Genio, A. D. *See* Porco, C. C.
- Delacour, Adélie. *See* Kelley, Deborah S.
- Delamarre, Lélia; Pack, Margit; Chang, Henry; Mellman, Ira; Trombetta, E. Sergio: Differential lysosomal proteolysis in antigen-presenting cells determines antigen fate. p1630 11 Mar 2005.
- Delapp, D. *See* Young, D. T.
- Delepierre, Muriel. *See* West, Nicholas P.
- Dell, Anne. *See* Griffiths, Joel S.
- Delwiche, Charles Francis: review of *The Ancestor’s Tale*, by Richard Dawkins. p676 4 Feb 2005.
- Dembow, Joanna. *See* Barrios-Rodiles, Miriam.
- Denk, T. *See* Porco, C. C.
- Denton, Denice D. *See* Muller, Carol B.
- Deroo, Bonnie J. *See* Hewitt, Sylvia Curtis.
- Desai, Rooma. *See* Badou, Abdallah.
- Desch, M. D. *See* Gurnett, D. A.
- Dho, J. *See* Eerenstein, W.
- Dickel, J. R. *See* Gaensler, B. M.
- Dickey, J. M. *See* Gaensler, B. M.
- Dickie, John B. *See* Moles, Angela T.
- Dickson, Mark. *See* Colosimo, Pamela F.
- Didham, Raphael K.; Ewers, Robert M.; Gemmill, Neil J.: Comment on “Avian extinction and mammalian introductions on oceanic islands” (technical comment). p1412 4 Mar 2005. www.sciencemag.org/cgi/content/full/307/5714/1412a.
- Didion, Catherine. *See* Muller, Carol B.
- Diehl, Richard A.: Patterns of cultural primacy (perspective). p1055 18 Feb 2005.
- Dimarellis, E. *See* Bertaux, Jean-Loup.

- DiMento, Joseph F. C. *See* Bronstein, Daniel A.
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Distel, Daniel L. *See* Thompson, Janelle R.
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Djerassi, Carl: Combining parenting and a science career (letter). p1720 18 Mar 2005.
Dobney, Keith. *See* Larson, Greger.
Dobson, Andrew. *See* Balmford, Andrew.
Dobson, Christopher M.: Amyloidosis and protein folding (letter). p42 7 Jan 2005.
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Dolan, Matthew J. *See* Gonzalez, Enrique.
Dolenc, David. *See* Nadeau, Robert M.
Dombard, Andrew J. *See* Solomon, Sean C.
Dommett, Eleanor; Coizet, Véronique; Blaha, Charles D.; Martindale, John; Lefebvre, Véronique; Walton, Natalie; Mayhew, John E. W.; Overton, Paul G.; Redgrave, Peter: How visual stimuli activate dopaminergic neurons at short latency. p1476 4 Mar 2005.
Dones, L. *See* Porco, C. C.
Donlin, Maureen J. *See* Loftus, Brendan J.
Donovan, Robert S. *See* Barrios-Rodiles, Miriam.
Doose, S. *See* Michalet, X.
Dougherty, M. K.; Achilleos, N.; Andre, N.; Arridge, C. S.; Balogh, A.; Bertucci, C.; Burton, M. E.; Cowley, S. W. H.; Erdos, G.; Giampieri, G.; Glassmeier, K.-H.; Khurana, K. K.; Leisner, J.; Neubauer, F. M.; Russell, C. T.; Smith, E. J.; Southwood, D. J.; Tsurutani, B. T.: Cassini magnetometer observations during Saturn orbit insertion. p1266 25 Feb 2005.
Doumbo, Ogobara K.: It takes a village: medical research and ethics in Mali (essays on science and society). p679 4 Feb 2005.
Douté, S. *See* Langevin, Y.
Downing, Amy L. *See* Raffaelli, David.
Dresselhaus, Thomas. *See* Márton, Mihaela L.
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D'Souza, Cletus A. *See* Loftus, Brendan J.
Du, Chang; Falini, Giuseppe; Fermani, Simona; Abbott, Christopher; Moradian-Oldak, Janet: Supramolecular assembly of amelogenin nanospheres into birefringent microribbons. p1450 4 Mar 2005.
Dubus, G. *See* Aharonian, F.
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Duesberg, Peter: Does aneuploidy or mutation start cancer? (letter). p41 7 Jan 2005.
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Duster, Troy: Race and reification in science. p1050 18 Feb 2005.
Dutton, Ian. *See* Balmford, Andrew.
Dye, Christopher: The science of social diseases (editorial). p181 14 Jan 2005.
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Earley, Taryn J. *See* Moqrich, Aziz.
Ebright, Richard H. *See* Altman, Sidney.
Eckhardt, Robert B.; Galik, Karol; Kuperavage, Adam J.: Questions about *Orrorin* femur (letter). p845 11 Feb 2005.
Eckmann, Lars. *See* Maeda, Shin.
Edgington, S. *See* Flasar, F. M.
Edwards, Katrina J. *See* Rouxel, Olivier J.
Eerenstein, W.; Morrison, F. D.; Dho, J.; Blamire, M. G.; Scott, J. F.; Mathur, N. D.: Comment on "Epitaxial BiFeO₃ multiferroic thin film heterostructures" (technical comment). p1203 25 Feb 2005.
www.sciencemag.org/cgi/content/full/307/5713/1203a.
Eiguren-Fernandez, A. *See* Venkataraman, C.
Eikema, Kjeld S. E. *See* Witte, Stefan.
Eisen, Jonathan A. *See* Seshadri, Rekha.
Eklund, Peter C. *See* Romero, Hugo E.
Elend, Mitch J. *See* Kelley, Deborah S.
Elion, Elaine A.; Qi, Maosong; Chen, Weidong: Signaling specificity in yeast (perspective). p687 4 Feb 2005.
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Engelhardt, Katharina A. M. *See* Raffaelli, David.
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Enserink, Martin (news): Doctors pay a high price for priority. p1848 25 Mar 2005. Experts dismiss pig flu scare as nonsense. p1392 4 Mar 2005. Facing a revolt, Pasteur board members offer to resign. p333 21 Jan 2005. One virus, three names, three claims. p493 28 Jan 2005. Report puts Pasteur move on hold. p1391 4 Mar 2005. Source of new hope against malaria is in short supply. p33 7 Jan 2005. Unnoticed amendment bans synthesis of smallpox virus. p1540 11 Mar 2005.
Enserink, Martin and Kaiser, Jocelyn (news): Has biodefense gone overboard? p1396 4 Mar 2005.
Enserink, Martin and Normile, Dennis (news): True numbers remain elusive in bird flu outbreak. p1865 25 Mar 2005.
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Eskin, Eleazar. *See* Hinds, David A.
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Esposito, Larry W.; Colwell, Joshua E.; Larsen, Kristopher; McClintock, William E.; Stewart, A. Ian F.; Hallett, Janet Tew; Shemansky, Donald E.; Ajello, Joseph M.; Hansen, Candice J.; Hendrix, Amanda R.; West, Robert A.; Keller, H. Uwe; Korth, Axel; Pryor, Wayne R.; Reulke, Ralf; Yung, Yuk L.: Ultraviolet imaging spectroscopy shows an active saturnian system. p1251 25 Feb 2005.
Estes, J. A. *See* Croll, D. A.
Evans, Karl L. *See* Blackburn, Tim M.
Evans, M. W. *See* Porco, C. C.
Evason, Kimberley; Huang, Cheng; Yamben, Idella; Covey, Douglas F.; Kornfeld, Kerry: Anticonvulsant medications extend worm lifespan. p258 14 Jan 2005.
Ewers, Robert M. *See* Didham, Raphael K.
Exley, Rachel M. *See* West, Nicholas P.
Fabbiano, Giuseppina: The hunt for intermediate-mass black holes (perspective). p533 28 Jan 2005.
Fabra, Mercedes; Raldúa, Demetrio; Power, Deborah M.; Deen, Peter M. T.; Cerdà, Joan: Marine fish egg hydration is aquaporin-mediated. p545 28 Jan 2005.
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Falcke, Heino. *See* Brunthaler, Andreas.
Falini, Giuseppe. *See* Du, Chang.
Falkow, Stanley. *See* Altman, Sidney.
Falzone, Tomás L. *See* Stokin, Gorazd B.
Fan, Kenneth. *See* Fan, Melina.
Fan, Melina; Tsai, Judy; Chen, Benjie; Fan, Kenneth; LaBaer, Joshua: A central repository for published plasmids (letter). p1877 25 Mar 2005.
Fang, Meiyang. *See* Larson, Greger.
Farrell, W. M. *See* Gurnett, D. A.
Fearnside, Philip M. *See* Laurance, William F.
Fearnside, Philip M.; Laurance, William F.; Albernaz, Ana K. M.; Vasconcelos, Heraldo L.; Ferreira, Leandro V.: A delicate balance in Amazonia (letter). p1044 18 Feb 2005.
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Feinberg, Andrew P. *See* Sakatani, Takashi.
Feinstein, F. *See* Aharonian, F.
Feldman, Jessica L. *See* Keegan, Brian R.
Ferber, Dan (news): Immortality dies as bacteria show their age. p656 4 Feb 2005. Whaling endangers more than whales. p1190 25 Feb 2005.
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Feron, S. *See* Lallement, R.
Fields, Stanley and Johnston, Mark: Whither model organism research? (perspective). p1885 25 Mar 2005.
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Finch, Caleb E. and Crimmins, Eileen M.: Inflammation and life-span (letter). p208 14 Jan 2005.
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Fischer, G. *See* Gurnett, D. A.
Fisher, David E. *See* Nishimura, Emi K.
Fiske, Susan T.; Harris, Lasana T.; Cuddy, Amy J. C.: Abuse of prisoners at Abu Ghraib (letter). p1873 25 Mar 2005.
Fitzhugh, William W.: review of *Maps, Myths and Men*, by Kirsten A. Seaver. p1413 4 Mar 2005.
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Flannery, Tim: review of *Collapse*, by Jared Diamond. p45 7 Jan 2005.
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Flasar, F. M.; Achterberg, R. K.; Conrath, B. J.; Pearl, J. C.; Bjoraker, G. L.; Jennings, D. E.; Romani, P. N.; Simon-Miller, A. A.; Kunde, V. G.; Nixon, C. A.; Bézard, B.; Orton, G. S.; Spilker, L. J.; Spencer, J. R.; Irwin, P. G. J.; Teanby, N. A.; Owen, T. C.; Brasunas, J.; Segura, M. E.; Carlson, R. C.; Mamoutkine, A.; Gierasch, P. J.; Schinder, P. J.; Showalter, M. R.; Ferrari, C.; Barucci, A.; Courtin, R.; Coustenis, A.; Fouchet, T.; Gautier, D.; Lellouch, E.; Marten, A.; Prangé, R.; Strobel, D. F.; Calcutt, S. B.; Read, P. L.; Taylor, F. W.; Bowles, N.; Samuelson, R. E.; Abbas, M. M.; Raulin, F.; Ade, P.; Edgington, S.; Pioroz, S.; Wallis, B.; Wisnnow, E. H.: Temperatures, winds, and composition in the saturnian system. p1247 25 Feb 2005.
Flavell, Richard A. *See* Badou, Abdallah. *See also* Kobayashi, Koichi S.
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Flier, Jeffrey S. *See* Badman, Michael K.
Flint, R. Warren and Kalke, Richard D.: Reinventing the wheel in ecology research? (letter). p1875 25 Mar 2005.
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Floss, Christine. *See* Bradley, John.
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Fontaine, G. *See* Aharonian, F.
Forberger, Heather A. *See* Seshadri, Rekha.
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Forget, F. *See* Bertaux, Jean-Loup.
Fortágh, József and Zimmermann, Claus: Toward atom chips (perspective). p860 11 Feb 2005.
Foster, Kenneth R.: review of *Catastrophe*, by Richard A. Posner. p1205 25 Feb 2005.
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Fox, Mary Frank. *See* Muller, Carol B.

- Franceschi, Claudio. *See* Caruso, Calogero.
- Frangakis, Achilleas S. *See* Kürner, Julia.
- Frankino, W. Anthony; Zwaan, Bas J.; Stern, David L.; Brakefield, Paul M.: Natural selection and developmental constraints in the evolution of allometries. p718 4 Feb 2005.
- Franz, Judy. *See* Muller, Carol B.
- Fraser, Claire M. *See* Loftus, Brendan J. *See also* Seshadri, Rekha.
- Fraser, James A. *See* Loftus, Brendan J.
- Frazier, Kelly A. *See* Hinds, David A.
- Freedman, Barry I. *See* Gonzalez, Enrique.
- Freeman, J. J. *See* Arvidson, R. E.
- Freire, Paulo C. C. *See* Ransom, Scott M.
- Frey, Herbert V. *See* Solomon, Sean C.
- Friedlander, S. K. *See* Venkataraman, C.
- Frison, Gilles. *See* Büttner, Torsten.
- Frize, Monique. *See* Muller, Carol B.
- Früh-Green, Gretchen L. *See* Kelley, Deborah S.
- Fu, Jianmin. *See* Loftus, Brendan J.
- Fukaya, Souichi. *See* Chollet, Matthieu.
- Fukuhara, Atsunori; Matsuda, Morihiro; Nishizawa, Masako; Segawa, Katsumori; Tanaka, Masaki; Kishimoto, Kae; Matsuki, Yasushi; Murakami, Mirei; Ichisaka, Tomoko; Murakami, Hiroko; Watanabe, Eijiro; Takagi, Toshiyuki; Akiyoshi, Megumi; Ohtsubo, Tsuguteru; Kihara, Shinji; Yamashita, Shizuya; Makishima, Makoto; Funahashi, Tohru; Yamanaka, Shinya; Hiramatsu, Ryuji; Matsuzawa, Yuji; Shimomura, Iichiro: Visfatin: a protein secreted by visceral fat that mimics the effects of insulin. p426 21 Jan 2005.
- Fukushima, Marilyn. *See* Loftus, Brendan J.
- Full, Robert J. *See* Huffard, Christine L.
- Funahashi, Tohru. *See* Fukuhara, Atsunori.
- Fung, Eula. *See* Loftus, Brendan J.
- Funk, S. *See* Aharonian, F.
- Furedi, Mary Ann. *See* McGraw, James B.
- Furman, J. D. *See* Young, D. T.
- G and H**
- Gaensler, B. M.; Haverkorn, M.; Staveley-Smith, L.; Dickey, J. M.; McClure-Griffiths, N. M.; Dickel, J. R.; Wolleben, M.: The magnetic field of the Large Magellanic Cloud revealed through Faraday rotation. p1610 11 Mar 2005.
- Gagen, Michael J. *See* Mattick, John S.
- Galan, Jorge E. *See* Altman, Sidney.
- Galik, Karol. *See* Eckhardt, Robert B.
- Gallagher, T. F. *See* Maeda, H.
- Gallant, Y. A. *See* Aharonian, F.
- Galopeau, P. *See* Gurnett, D. A.
- Gambhir, S. S. *See* Michalet, X.
- Gampala, Srinivas S. L. *See* He, Jun-Xian.
- Ganem, Don. *See* McCormick, Craig.
- Ganter, Susan L. *See* Muller, Carol B.
- García, John. *See* Ortiz-Urda, Susana.
- García-Añoveros, Jaime. *See* Sage, Cyrille.
- Garczyski, Stephan F. *See* Griffiths, Joel S.
- Garrison, Geoffrey H. *See* Ward, Peter D.
- Gaston, Kevin J. *See* Blackburn, Tim M. *See also* Storch, David.
- Gautier, D. *See* Flasar, F. M.
- Geier, Jens. *See* Büttner, Torsten.
- Gelpi, Barbara C. *See* Muller, Carol B.
- Gemmell, Neil J. *See* Didham, Raphael K.
- Gendrin, A. *See* Arvidson, R. E. *See also* Mustard, J. F.
- Gendrin, Aline. *See* Bibring, Jean-Pierre.
- Gendrin, Aline; Mangold, Nicolas; Bibring, Jean-Pierre; Langevin, Yves; Gondet, Brigitte; Poulet, François; Bonello, Guillaume; Quantin, Cathy; Mustard, John; Arvidson, Ray; LeMouélic, Stéphane: Sulfates in Martian layered terrains: the OMEGA/Mars Express view. p1587 11 Mar 2005.
- Gendron, Joshua M. *See* He, Jun-Xian.
- Gendron, Nathan. *See* He, Jun-Xian.
- Gerber, Leah R.; Hyrenbach, K. David; Zacharias, Mark A.: Do the largest protected areas conserve whales or whalers? p525 28 Jan 2005.
- Gerber, Urs: A small-scale foreign aid strategy (letter). p1410 4 Mar 2005.
- Gernsbacher, Morton A.; Dissanayake, Cheryl; Goldsmith, H. Hill; Mundy, Peter C.; Rogers, Sally J.; Sigman, Marian: Autism and deficits in attachment behavior (letter). p1201 25 Feb 2005.
- Gezo, Joseph. *See* de Heer, Walt A.
- Ghosal, Sutapa; Hemminger, John C.; Bluhm, Hendrik; Mun, Bongjin Simon; Hebenstreit, Eleonore L. D.; Ketteler, Guido; Ogleter, D. Frank; Requejo, Felix G.; Salmeron, Miquel: Electron spectroscopy of aqueous solution interfaces reveals surface enhancement of halides. p563 28 Jan 2005.
- Giampieri, G. *See* Dougherty, M. K.
- Giannakou, Maria E.; Goss, Martin; Jünger, Martin A.; Hafen, Ernst; Leevers, Sally J.; Partridge, Linda: Response to comment on "Long-lived *Drosophila* with overexpressed dFOXO in adult fat body" (technical comment). p675 4 Feb 2005. www.sciencemag.org/cgi/content/full/307/5710/675b.
- Gibbons, Ann (news): Skeleton of upright human ancestor discovered in Ethiopia. p1545 11 Mar 2005.
- Gibson, Greg: The synthesis and evolution of a supermodel (perspective). p1890 25 Mar 2005.
- Gibson, Matthew C. and Perrimon, Norbert: Extrusion and death of DPP/BMP-compromised epithelial cells in the developing *Drosophila* wing. p1785 18 Mar 2005.
- Giebels, B. *See* Aharonian, F.
- Gierasch, P. J. *See* Flasar, F. M.
- Giese, B. *See* Porco, C. C.
- Gietzen, Dorothy W. *See* Hao, Shuzhen.
- Gilbert, L. K. *See* Young, D. T.
- Gill, Anthony C. *See* de Carvalho, Marcelo R.
- Gill, Gordon N. *See* Yeo, Michele.
- Gillessen, S. *See* Aharonian, F.
- Gillson, Lindsey; Lindsay, Keith; Bulte, Erwin H.; Damiana, Richard: Elephants, ecology, and non-equilibrium? (letter). p673 4 Feb 2005.
- Gilman, Sharon Larimer and Glaze, Florence Eliza: "How science survived"—medieval manuscripts as fossils (perspective). p1208 25 Feb 2005.
- Ginty, David D. *See* Gu, Chenghua.
- Girgus, Joan. *See* Muller, Carol B.
- Giuliano, Laura. *See* van der Wielen, Paul W. J. J.
- Gladman, Brett: The Kuiper belt and the solar system's comet disk. p71 7 Jan 2005.
- Glascok, Michael D. *See* Blomster, Jeffrey P.
- Glassmeier, K.-H. *See* Dougherty, M. K.
- Glaze, Florence Eliza. *See* Gilman, Sharon Larimer.
- Glenn, D. *See* Young, D. T.
- Glickson, Deborah. *See* Kelley, Deborah S.
- Glimcher, Laurie H. *See* Hwang, Eun Sook.
- Gloeckler, G. *See* Krimigis, S. M.
- Glotzer, Michael: The molecular requirements for cytokinesis. p1735 18 Mar 2005.
- Goetz, K. *See* Gurnett, D. A.
- Göhlmann, Hinrich W. H. *See* Andries, Koen.
- Golding, G. Brian. *See* Zhu, Guoping.
- Goldman, Alan S. *See* Zhao, Jing.
- Goldsmith, H. Hill. *See* Gernsbacher, Morton A.
- Goldstein, Lawrence S. B. *See* Stokin, Gorazd B.
- Goldstein, R. *See* Young, D. T.
- Goldstein, Steven L. *See* Piotrowski, Alexander M.
- Gollin, Susanne M. *See* Quintyne, Nicholas J.
- Golombek, Matthew P. *See* Solomon, Sean C.
- Gombosi, Tamas I. and Hansen, Kenneth C.: Saturn's variable magnetosphere. p1224 25 Feb 2005.
- Gondet, B. *See* Langevin, Y. *See also* Mustard, J. F.
- Gondet, Brigitte. *See* Bibring, Jean-Pierre. *See also* Gendrin, Aline. *See also* Langevin, Yves.
- Gonzalez, Enrique; Kulkarni, Hemant; Bolivar, Hector; Mangano, Andrea; Sanchez, Racquel; Catano, Gabriel; Nibbs, Robert J.; Freedman, Barry I.; Quinones, Marlon P.; Bamshad, Michael J.; Murthy, Krishna K.; Rovin, Brad H.; Bradley, William; Clark, Robert A.; Anderson, Stephanie A.; O'Connell, Robert J.; Agan, Brian K.; Ahuja, Seema S.; Bologna, Rosa; Sen, Luisa; Dolan, Matthew J.; Ahuja, Sunil K.: The influence of *CCL3L1* gene-containing segmental duplications on HIV-1/AIDS susceptibility. p1434 4 Mar 2005.
- Gooday, Andrew J. *See* Todo, Yuko.
- Goodson, Michael L. *See* Xing, Hongyan.
- Gopinathan, Asha: review of *Pandora's Breeches*, by Patricia Fara. p522 28 Jan 2005.
- Gordon, Jeffrey I. *See* Bäckhed, Fredrik. *See also* Sonnenburg, Justin L.
- Gordon, Peter: Crying "Whorf" (letter). p1721 18 Mar 2005.
- Gore, Jeff. *See* Case, Ryan B. *See also* Pease, Paul J.
- Goret, P. *See* Aharonian, F.
- Gosling, J. T. *See* Young, D. T.
- Goss, Martin. *See* Giannakou, Maria E.
- Goswami, Dipak K. *See* Liu, Xiaogang.
- Gottesman, Irving I. *See* Nelson, Charles A.
- Gottesman, Max. *See* Altman, Sidney.
- Gourse, Richard. *See* Altman, Sidney.
- Graham, Giles. *See* Bradley, John.
- Grande, M. *See* Young, D. T.
- Granmar, Marie (news): Regulations spark technology competition. p1860 25 Mar 2005.
- Granter, Scott R. *See* Nishimura, Emi K.
- Graves, Jennifer A. Marshall: Recycling the Y chromosome (perspective). p50 7 Jan 2005.
- Gray, Harry B. *See* Wenger, Oliver S.
- Gray, Robert M. *See* Muller, Carol B.
- Grazier, K. *See* Porco, C. C.
- Greaves, Jane S.: Disks around stars and the growth of planetary systems. p68 7 Jan 2005.
- Green, Cheryl L. *See* Ortiz-Urda, Susana.
- Green, Rhys E. *See* Balmford, Andrew.
- Green, Rhys E.; Cornell, Stephen J.; Scharlemann, Jörn P. W.; Balmford, Andrew: Farming and the fate of wild nature. p550 28 Jan 2005.
- Green, Simon F. *See* Kempf, Sascha.
- Greenhill, Lincoln J. *See* Brunthaler, Andreas.
- Greenwald, Jason. *See* Roosild, Tarmo P.
- Gregory, Richard D. *See* Balmford, Andrew.
- Grenier, Isabelle A.; Casandjian, Jean-Marc; Terrier, Régis: Unveiling extensive clouds of dark gas in the solar neighborhood. p1292 25 Feb 2005.
- Grice, Kliti; Cao, Changqun; Love, Gordon D.; Böttcher, Michael E.; Twitchett, Richard J.; Grosjean, Emmanuelle; Summons, Roger E.; Turgeon, Steven C.; Dunning, William; Jin, Yugan: Photic zone euxinia during the Permian-Triassic superanoxic event. p706 4 Feb 2005.
- Griffitts, Joel S.; Haslam, Stuart M.; Yang, Tinglu; Garczyski, Stephan F.; Mulloy, Barbara; Morris, Howard; Cremer, Paul S.; Dell, Anne; Adang, Michael J.; Aroian, Raffi V.: Glycolipids as receptors for *Bacillus thuringiensis* crystal toxin. p922 11 Feb 2005.
- Grimm, David (news): Is tobacco research turning over a new leaf? p36 7 Jan 2005.
- Grimwood, Jane. *See* Colosimo, Pamela F.
- Grinberg, Viktoriya. *See* Loftus, Brendan J.
- Grindley, Nigel D. F. *See* Altman, Sidney.
- Grosjean, Emmanuelle. *See* Grice, Kliti.
- Gross, Carol A. *See* Altman, Sidney.
- Grossman, Alan. *See* Altman, Sidney.
- Gruman, Jessie C.: Science and the Bush administration (letter). p519 28 Jan 2005.
- Grün, Eberhard. *See* Kempf, Sascha.
- Grusky, David. *See* Muller, Carol B.
- Grützmacher, Hansjörg. *See* Büttner, Torsten.
- Gu, Chenghua; Yoshida, Yutaka; Livet, Jean; Reimert, Dorothy V.; Mann, Fanny; Merte, Janna; Henderson, Christopher E.; Jessell, Thomas M.; Kolodkin,

- Alex L.; Ginty, David D.: Semaphorin 3E and plexin-D1 control vascular pattern independently of neuropilins. p265 14 Jan 2005.
- Gu, Xiubin. *See* Niess, Jan Hendrik.
- Guadagnini, Stéphanie. *See* West, Nicholas P.
- Guan, Ying-jie. *See* Yuan, Zheng-long.
- Guerin, Laurent. *See* Chollet, Matthieu.
- Guertin, David A. *See* Sarbassov, Dos D.
- Guilerson, Tom P.; Reimer, Paula J.; Brown, Tom A.: The boon and bane of radiocarbon dating (perspective). p362 21 Jan 2005.
- Guilleumot, Jerome. *See* Andries, Koen.
- Guo, Zhihong. *See* Petkova, Aneta T.
- Gurnett, D. A.; Kurth, W. S.; Hospodarsky, G. B.; Persoon, A. M.; Averkamp, T. F.; Cecconi, B.; Lecacheux, A.; Zarka, P.; Canu, P.; Cornilleau-Wehrlin, N.; Galopeau, P.; Roux, A.; Harvey, C.; Louarn, P.; Bostrom, R.; Gustafsson, G.; Wahlund, J.-E.; Desch, M. D.; Farrell, W. M.; Kaiser, M. L.; Goetz, K.; Kellogg, P. J.; Fischer, G.; Ladreiter, H.-P.; Rucker, H.; Alleyne, H.; Pedersen, A.: Radio and plasma wave observations at Saturn from Cassini's approach and first orbit. p1255 25 Feb 2005.
- Gustafsson, G. *See* Gurnett, D. A.
- Guth, Alan H. and Kaiser, David I.: Inflationary cosmology: exploring the universe from the smallest to the largest scales. p884 11 Feb 2005.
- Gutierrez, Gabriel. *See* Sage, Cyrille.
- Guzman, H. M. *See* Pandolfi, J. M.
- Haas, Brian J. *See* Loftus, Brendan J.
- Habib, G. *See* Venkataraman, C.
- Hadjichristidis, C. *See* Aharonian, F.
- Hafen, Ernst. *See* Giannakou, Maria E.
- Haibing, Li. *See* Chevalier, M.-L.
- Hakem, Razqallah. *See* Su, Helen.
- Häkkinen, Hannu. *See* Yoon, Bokwon.
- Hall, Neil; Karras, Marianna; Raine, J. Dale; Carlton, Jane M.; Kooij, Taco W. A.; Berriman, Matthew; Florens, Laurence; Janssen, Christoph S.; Pain, Arnab; Christophides, Georges K.; James, Keith; Rutherford, Kim; Harris, Barbara; Harris, David; Churcher, Carol; Quail, Michael A.; Ormond, Doug; Doggett, Jon; Trueman, Holly E.; Mendoza, Jacqui; Bidwell, Shelby L.; Rajandream, Marie-Adele; Carucci, Daniel J.; Yates, John R., III; Kafatos, Fotis C.; Janse, Chris J.; Barrell, Bart; Turner, C. Michael R.; Waters, Andrew P.; Sinden, Robert E.: A comprehensive survey of the *Plasmodium* life cycle by genomic, transcriptomic, and proteomic analyses. p82 7 Jan 2005.
- Hallett, Janet Tew. *See* Esposito, Larry W.
- Halloran, P. *See* Rickaby, R. E. M.
- Halperin, Eran. *See* Hinds, David A.
- Hambler, Clive; Henderson, Peter A.; Speight, Martin R.: Elephants, ecology, and nonequilibrium? (letter). p673 4 Feb 2005.
- Hamilton, D. C. *See* Krimigis, S. M.
- Hamilton, Victoria E.: review of *Mars*, by Jeffrey S. Kargel. p1564 11 Mar 2005.
- Hansen, Candice J. *See* Esposito, Larry W.
- Hansen, Kenneth C. *See* Gombosi, Tamas I.
- Hanson, Brooks (news): Minerals over Mars. p1574 11 Mar 2005.
- Hao, Shuzhen; Sharp, James W.; Ross-Inta, Catherine M.; McDaniel, Brent J.; Anthony, Tracy G.; Wek, Ronald C.; Cavener, Douglas R.; McGrath, Barbara C.; Rudell, John B.; Koehnle, Thomas J.; Gietzen, Dorothy W.: Uncharged tRNA and sensing of amino acid deficiency in mammalian piriform cortex. p1776 18 Mar 2005.
- Haram, Per Magnus. *See* Wisloff, Ulrik.
- Harberd, Nicholas P. *See* Sablowski, Robert.
- Harding, Heather P. *See* Boyce, Michael.
- Harner, Jeffrey. *See* Büttner, Torsten.
- Harris, Barbara. *See* Cerdeño-Tárraga, Ana M. *See also* Hall, Neil.
- Harris, David. *See* Hall, Neil.
- Harris, John. *See* Testa, Giuseppe.
- Harris, Lasana T. *See* Fiske, Susan T.
- Harrison, Jeremy. *See* Balmford, Andrew.
- Harrold, Mary Jean. *See* Muller, Carol B.
- Hartwig, John F. *See* Zhao, Jing.
- Harvey, C. *See* Gurnett, D. A.
- Hasegawa, Takumi. *See* Chollet, Matthieu.
- Haseltine, William A.: review of *A Machine to Make a Future*, by Paul Rabinow and Talia Dan-Cohen. p1414 4 Mar 2005.
- Hashimoto, Jun. *See* Todo, Yuko.
- Haslam, Stuart M. *See* Griffiths, Joel S.
- Hauck, Steven A., II. *See* Solomon, Sean C.
- Hauser, M. *See* Aharonian, F.
- Haverkorn, M. *See* Gaensler, B. M.
- Hayashizaki, Yoshihide. *See* Barrios-Rodiles, Miriam.
- Hayday, Adrian C. *See* Silva-Santos, Bruno.
- Hayes, J. *See* Krimigis, S. M.
- Hayes, John M. *See* Kelley, Deborah S.
- Hayes, Peter. *See* Von Hippel, David F.
- Hazzledine, Peter. *See* Chisholm, Matthew F.
- He, Jun-Xian; Gendron, Joshua M.; Sun, Yu; Gampala, Srinivas S. L.; Gendron, Nathan; Sun, Catherine Qing; Wang, Zhi-Yong: BZR1 is a transcriptional repressor with dual roles in Brassinosteroid homeostasis and growth responses. p1634 11 Mar 2005.
- Head, James W., III. *See* Solomon, Sean C.
- Hebenstreit, Eleonore L. D. *See* Ghosal, Sutapa.
- Heidelberg, John F. *See* Seshadri, Rekha.
- Heikenwalder, Mathias; Zeller, Nicolas; Seeger, Harald; Prinz, Marco; Klöhn, Peter-Christian; Schwarz, Petra; Ruddle, Nancy H.; Weissmann, Charles; Aguzzi, Adriano: Chronic lymphocytic inflammation specifies the organ tropism of prions. p1107 18 Feb 2005.
- Heintzenberg, Jost. *See* Berndt, Torsten.
- Heinzmann, G. *See* Aharonian, F.
- Heitman, Joseph. *See* Loftus, Brendan J.
- Heiz, Ueli. *See* Yoon, Bokwon.
- Helfenstein, P. *See* Porco, C. C.
- Helfert, Stefan. *See* Kempf, Sascha.
- Hellemans, Alexander (news): Synchrotron staff protests funding cuts. p192 14 Jan 2005.
- Hellman, A. *See* Honkala, K.
- Hellman, Frances. *See* Muller, Carol B.
- Hemming, Sidney R. *See* Piotrowski, Alexander M.
- Hemminger, John C. *See* Ghosal, Sutapa.
- Henderson, Christopher E. *See* Gu, Chenghua.
- Henderson, Peter A. *See* Hambler, Clive.
- Hendrix, Amanda R. *See* Esposito, Larry W.
- Henegariu, Octavian. *See* Kobayashi, Koichi S.
- Henkel, Christian. *See* Brunthaler, Andreas.
- Henri, G. *See* Aharonian, F.
- Hermann, G. *See* Aharonian, F.
- Hessa, Tara; White, Stephen H.; von Heijne, Gunnar: Membrane insertion of a potassium-channel voltage sensor. p1427 4 Mar 2005.
- Hessels, Jason W. T. *See* Ransom, Scott M.
- Hewitt, Sylvia Curtis; Deroo, Bonnie J.; Korach, Kenneth S.: A new mediator for an old hormone? (perspective). p1572 11 Mar 2005.
- Hige, Toshihide. *See* Yamashita, Takayuki.
- Hilborn, Ray. *See* Packer, Craig.
- Hill, T. W. *See* Young, D. T.
- Hill, William G.: A century of corn selection (perspective). p683 4 Feb 2005.
- Hillier, Jon K. *See* Kempf, Sascha.
- Hinds, David A.; Stuve, Laura L.; Nilsen, Geoffrey B.; Halperin, Eran; Eskin, Eleazar; Ballinger, Dennis G.; Frazer, Kelly A.; Cox, David R.: Whole-genome patterns of common DNA variation in three human populations. p1072 18 Feb 2005.
- Hinds, Philip W. *See* Sage, Cyrille.
- Hinton, J. A. *See* Aharonian, F.
- Hiramatsu, Ryuji. *See* Fukuhara, Atsunori.
- Hirose, Megumi. *See* Yokoyama, Kazunari K.
- Hobmayer, Bert. *See* Rieger, Reinhard M.
- Hochschild, Ann. *See* Altman, Sidney.
- Hoffelder, Diane R. *See* Quintyne, Nicholas J.
- Hoffner, Sven. *See* Andries, Koen.
- Hofmann, W. *See* Aharonian, F.
- Hogenesch, John B. *See* Panda, Satchidananda.
- Hogervorst, Wim. *See* Witte, Stefan.
- Hogg, Tad. *See* Huberman, Bernardo A.
- Holbrook, Timothy. *See* Paradise, Jordan.
- Holden, Constance (news): California's bold \$3 billion initiative hits the ground running. p195 14 Jan 2005. Getting the mice out of ES cell cultures. p1393 4 Mar 2005. Judge orders stickers removed from Georgia textbooks. p334 21 Jan 2005. U.S. states offer Asia stiff competition. p662 4 Feb 2005.
- Holden, Matthew T. G. *See* Cerdeño-Tárraga, Ana M.
- Holleran, M. *See* Aharonian, F.
- Holman, Matthew J. and Murray, Norman W.: The use of transit timing to detect terrestrial-mass extrasolar planets. p1288 25 Feb 2005.
- Holmlund, C. *See* Young, D. T.
- Holsinger, Kent E. *See* Sezen, Uzay U.
- Holt, Nancy E.; Zigmantas, Donatas; Valkunas, Leonas; Li, Xiao-Ping; Niyogi, Krishna K.; Fleming, Graham R.: Carotenoid cation formation and the regulation of photosynthetic light harvesting. p433 21 Jan 2005.
- Hong, Yiling. *See* Xing, Hongyan.
- Honkala, K.; Hellman, A.; Remediakis, I. N.; Logadottir, A.; Carlsson, A.; Dahl, S.; Christensen, C. H.; Nørskov, J. K.: Ammonia synthesis from first-principles calculations. p555 28 Jan 2005.
- Hopcraft, Grant. *See* Packer, Craig.
- Hopson, James A. *See* Rich, Thomas H.
- Horner, John R. *See* Schweitzer, Mary H.
- Horns, D. *See* Aharonian, F.
- Hoseman, Kim E. *See* Colosimo, Pamela F.
- Hospodarsky, G. B. *See* Gurnett, D. A.
- Houser, E. J. *See* Snow, E. S.
- Howard, Bret H. *See* Kamakoti, Preeti.
- Howe, Martha. *See* Altman, Sidney.
- Hsieh, K. C. *See* Krimigis, S. M.
- Hsu, Li-Chung. *See* Maeda, Shin.
- Hu, Aixue. *See* Meehl, Gerald A.
- Huang, Cheng. *See* Evason, Kimberley.
- Huang, James C. *See* Loftus, Brendan J.
- Huang, Mingqian. *See* Sage, Cyrille.
- Huberman, Bernardo A. and Hogg, Tad: Protecting privacy of human subjects (letter). p1200 25 Feb 2005.
- Huebner, Andreas. *See* van der Wielen, Paul W. J. J.
- Huffard, Christine L.; Boneka, Farnis; Full, Robert J.: Underwater bipedal locomotion by octopuses in disguise. p1927 25 Mar 2005.
- Hug, Christopher and Lodish, Harvey F.: Visfatin: a new adipokine (perspective). p366 21 Jan 2005.
- Hughes, T. P. *See* Pandolfi, J. M.
- Huitric, Emma. *See* Andries, Koen.
- Hunt, Dana E. *See* Thompson, Janelle R.
- Hurst, Gregory D. D. *See* Veneti, Zoe.
- Hurwitz, Jerard. *See* Altman, Sidney.
- Hussain, Najah A. *See* Richardson, Curtis J.
- Hussain, Natasha K. and Sheng, Morgan: Making synapses: a balancing act (perspective). p1207 25 Feb 2005.
- Hutcheon, Ian. *See* Bradley, John.
- Hwang, Eun Sook; Szabo, Susanne J.; Schwartzberg, Pamela L.; Glimcher, Laurie H.: T helper cell fate specified by kinase-mediated interaction of T-bet with GATA-3. p430 21 Jan 2005.
- Hwang, Sun Wook. *See* Moqrich, Aziz.
- Hyman, Richard W. *See* Loftus, Brendan J.
- Hyrenbach, K. David. *See* Gerber, Leah R.

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- Iacobuzio-Donahue, Christine A. *See* Sakatani, Takashi.
- Ianzano, Leonarda. *See* Lohi, Hannes.
- Ibba, Michael. *See* Sauerwald, Anselm.

- Ichisaka, Tomoko. *See* Fukuhara, Atsunori.
- Iimura, Mitsutoshi. *See* Maeda, Shin.
- Illiano, J.-M. *See* Young, D. T.
- Illius, Andrew W.: Elephants, ecology, and non-equilibrium? (letter). p673 4 Feb 2005.
- Imagawa, Hiroshi. *See* Matsuo, Yoshihide.
- Impraim, Marjorie. *See* Seshadri, Rekha.
- Inabe, Kumiko. *See* Yokoyama, Kazunari K.
- Inamoto, Sanae. *See* Yokoyama, Kazunari K.
- Inan, Umran: Gamma rays made on Earth (perspective). p1054 18 Feb 2005.
- Indjeian, Vahan B.; Stern, Bodo M.; Murray, Andrew W.: The centromeric protein Sgol is required to sense lack of tension on mitotic chromosomes. p130 7 Jan 2005.
- Ingersoll, A. P. *See* Porco, C. C.
- Ingham, Philip W. *See* Keegan, Brian R.
- Ingle, N. J. C. *See* Shen, Kyle M.
- Inohara, Naohiro. *See* Kobayashi, Koichi S.
- Ip, W.-H. *See* Krimigis, S. M. *See also* Waite, J. H., Jr.
- Iron, Robert (news): Alien planets glimmer in the heat. p1853 25 Mar 2005. American astronomers lobby for the next big thing. p1864 25 Mar 2005. As the galaxies turn. p64 7 Jan 2005. Disks of destruction. p66 7 Jan 2005. Galaxy patterns preserve an imprint of the big bang. p508 28 Jan 2005. Giant neutron-star flare blitzes the galaxy with gamma rays. p1178 25 Feb 2005. Gorging black hole carves out gigantic cavities of gas. p26 7 Jan 2005. A new benefactor takes aim at basic scientific questions. p340 21 Jan 2005. An origin for the fiercest cosmic rays? p509 28 Jan 2005. A physics home away from home. p342 21 Jan 2005. Satellite swiftly catches new bursts. p508 28 Jan 2005. Snapshots from the meeting. p509 28 Jan 2005.
- Izarrary, Kristopher J. L. and Licinio, Julio: An explanation for the placebo effect? (letter). p1411 4 Mar 2005.
- Irvine, Kenneth D. *See* Okajima, Tetsuya.
- Irwin, Darren E.; Bensch, Staffan; Irwin, Jessica H.; Price, Trevor D.: Speciation by distance in a ring species. p414 21 Jan 2005.
- Irwin, Jessica H. *See* Irwin, Darren E.
- Irwin, P. G. J. *See* Flasar, F. M.
- Isaacs, Farren J.; Blake, William J.; Collins, James J.: Signal processing in single cells (perspective). p1886 25 Mar 2005.
- Isberg, Ralph R. *See* Altman, Sidney.
- Ishii, Hope. *See* Bradley, John.
- Ishikawa, Tadahiko. *See* Chollet, Matthieu.
- Ivey, Elizabeth S. *See* Muller, Carol B.
- Iwasaki, Hideo. *See* Tomita, Jun.
- Iwasaki, Hiromi. *See* Opferman, Joseph T.
- Jackson, J. B. C. *See* Pandolfi, J. M.
- Jacobson, R. A. *See* Porco, C. C.
- Jahn, Dieter. *See* Sauerwald, Anselm.
- Jain, Rakesh K.: Normalization of tumor vasculature: an emerging concept in antiangiogenic therapy. p58 7 Jan 2005.
- Jakosky, Bruce M. *See* Solomon, Sean C.
- Jakuba, Mike. *See* Kelley, Deborah S.
- James, Ian. *See* Nolan, David.
- James, Keith. *See* Hall, Neil.
- James, Richard D. *See* Bhattacharya, Kaushik.
- Janbon, Guilhem. *See* Loftus, Brendan J.
- Janse, C. J. *See* Waters, A. P.
- Janse, Chris J. *See* Hall, Neil.
- Janssen, Christoph S. *See* Hall, Neil.
- Janzen, Fredric J.: review of *Sea Turtles*, by James R. Spotila. p211 14 Jan 2005.
- Jarlier, Vincent. *See* Andries, Koeno.
- Jaskulek, S. *See* Krimigis, S. M.
- Javanainen, Juha: Bose-Einstein condensates interfere and survive (perspective). p1883 25 Mar 2005.
- Jegla, Tim. *See* Panda, Satchidananda.
- Jennings, D. E. *See* Flasar, F. M.
- Jensen, Lars Juhl. *See* de Lichtenberg, Ulrik.
- Jensen, Michael D. *See* Levine, James A.
- Jessell, Thomas M. *See* Gu, Chenghua.
- Jin, Yugan. *See* Grice, Kliti.
- Johnson, Catherine L. *See* Solomon, Sean C.
- Johnson, Denise L. *See* Muller, Carol B.
- Johnson, Ian T.: Cancers of the gut and Western ills (editorial). p1839 25 Mar 2005.
- Johnson, R. E. *See* Young, D. T.
- Johnson, T. V. *See* Porco, C. C.
- Johnston, Mark. *See* Fields, Stanley.
- Jokipii, J. R.: Our interstellar neighborhood (perspective). p1424 4 Mar 2005.
- Jolluck, Katherine Rose. *See* Muller, Carol B.
- Jones, N. O. *See* Bergeron, D. E.
- Jones, Patricia P. *See* Muller, Carol B.
- Jones, Ruth H. and Flynn, Kevin J.: Nutritional status and diet composition affect the value of diatoms as copepod prey. p1457 4 Mar 2005.
- Jones, Steven J. M. *See* Loftus, Brendan J.
- Jordan, Kenneth D. *See* Clarkson, Jasper R.
- Journet, Laure. *See* Mota, Luis Jaime.
- Jousse, Céline. *See* Boyce, Michael.
- Judai, Ken. *See* Yoon, Bokwon.
- Jung, I. *See* Aharonian, F.
- Jung, Steffen. *See* Niess, Jan Hendrik.
- Jünger, Martin A. *See* Giannakou, Maria E.
- Jurisica, Igor. *See* Barrios-Rodiles, Miriam.
- Kabrowski, Janusz H. *See* Witte, Owen N.
- Kaburaki, Hideo. *See* Yamaguchi, Masataka.
- Kaczmarek, Leonard K. *See* Badou, Abdallah.
- Kafatos, Fotis C. *See* Hall, Neil.
- Kagan, Bruce L.: Amyloidosis and protein folding (letter). p42 7 Jan 2005.
- Kagnoff, Martin F. *See* Maeda, Shin.
- Kahms, Martin. *See* Rocks, Oliver.
- Kaim, Wolfgang: Odd electron on nitrogen: a metal-stabilized aminyl radical (perspective). p216 14 Jan 2005.
- Kainer, Karen A. *See* Bruna, Emilio M.
- Kaiser, David I. *See* Guth, Alan H.
- Kaiser, Jocelyn (news): How dirty air hurts the heart. p1858 25 Mar 2005. Microbiologist on a mission. p1397 4 Mar 2005. More infectious diseases emerge in north. p1190 25 Feb 2005. Mounting evidence indicts fine-particle pollution. p1858 25 Mar 2005. NCI gears up for cancer genome project. p1182 25 Feb 2005. NIH chief clamps down on consulting and stock ownership. p824 11 Feb 2005. NIH rules make some pack, others plead. p1703 18 Mar 2005. NIH scientists raise fuss about scope of new rules. p1390 4 Mar 2005. NIH wants public access to papers 'as soon as possible.' p825 11 Feb 2005. Panel urges limits on X-SCID trials. p1544 11 Mar 2005. Philadelphia institution forced to cut curators. p28 7 Jan 2005. Report faults smallpox vaccination. p1540 11 Mar 2005. Scientist quits IPCC panel over comments. p501 28 Jan 2005. Success rates squeezed as budget growth slows. p1023 18 Feb 2005.
- Kaiser, Jocelyn. *See* Couzin, Jennifer. *See also* Enserink, Martin.
- Kaiser, M. L. *See* Gurnett, D. A.
- Kaitala, Veijo. *See* Ranta, Esa.
- Kalke, Richard D. *See* Flint, R. Warren.
- Kamakoti, Preeti; Morreale, Bryan D.; Ciocco, Michael V.; Howard, Bret H.; Killmeyer, Richard P.; Cugini, Anthony V.; Sholl, David S.: Prediction of hydrogen flux through sulfur-tolerant binary alloy membranes. p569 28 Jan 2005.
- Kamien, Randall D. *See* Snir, Yehuda.
- Kammrath, A. *See* Verlet, J. R. R.
- Kane, Gordon: Optimism about string theory (letter). p851 11 Feb 2005.
- Kane, Paul H. *See* Levine, James A.
- Kaneda, Atsushi. *See* Sakatani, Takashi.
- Kang, Bin. *See* Xian, Weiwei.
- Kang, Katherine H. *See* Seshadri, Rekha.
- Kanno, Yuka. *See* O'Shea, John J.
- Kaplan, David L. *See* Ransom, Scott M.
- Kaplan, Samuel. *See* Altman, Sidney.
- Kappel, C. V. *See* Pandolfi, J. M.
- Karimi, Kambiz. *See* Sage, Cyrille.
- Karin, Michael. *See* Maeda, Shin.
- Karras, Marianna. *See* Hall, Neil.
- Karson, Jeffrey A. *See* Kelley, Deborah S.
- Kaspi, Victoria M. *See* Ransom, Scott M.
- Kasprzak, W. T. *See* Waite, J. H., Jr.
- Katehi, Linda P. B. *See* Muller, Carol B.
- Kaufman, Brett A. *See* Chen, Xin Jie.
- Kaufman, Randal J. *See* Boyce, Michael.
- Keath, E. P. *See* Krimigis, S. M.
- Kedar, Sharon and Webb, Frank H.: The ocean's seismic hum (perspective). p682 4 Feb 2005.
- Keegan, Brian R.; Feldman, Jessica L.; Begemann, Gerrit; Ingham, Philip W.; Yelon, Deborah: Retinoic acid signaling restricts the cardiac progenitor pool. p247 14 Jan 2005.
- Keetch, Catherine A. *See* Rappas, Mathieu.
- Kelha, V. *See* Young, D. T.
- Keller, H. Uwe. *See* Esposito, Larry W.
- Kelley, Deborah S.; Karson, Jeffrey A.; Früh-Green, Gretchen L.; Yoerger, Dana R.; Shank, Timothy M.; Butterfield, David A.; Hayes, John M.; Schrenk, Matthew O.; Olson, Eric J.; Proskurowski, Giora; Jakuba, Mike; Bradley, Al; Larson, Ben; Ludwig, Kristin; Glickson, Deborah; Buckman, Kate; Bradley, Alexander S.; Brazelton, William J.; Roe, Kevin; Elend, Mitch J.; Delacour, Adélie; Bernasconi, Stefano M.; Lilley, Marvin D.; Baross, John A.; Summons, Roger E.; Sylva, Sean P.: A serpentinite-hosted ecosystem: the Lost City hydrothermal field. p1428 4 Mar 2005.
- Kellogg, P. J. *See* Gurnett, D. A.
- Kempf, Sascha; Srama, Ralf; Postberg, Frank; Burton, Marcia; Green, Simon F.; Helfert, Stefan; Hillier, Jon K.; McBride, Neil; McDonnell, J. Anthony M.; Moragas-Klostermeyer, Georg; Roy, Mou; Grün, Eberhard: Composition of saturnian stream particles. p1274 25 Feb 2005.
- Kempner, Joanna; Perlis, Clifford S.; Merz, Jon F.: Forbidden knowledge. p854 11 Feb 2005.
- Kennedy, Donald (editorials): Bayh-Dole: almost 25. p1375 4 Mar 2005. Confusion at the space agency. p1533 11 Mar 2005. A New Year and anniversary. p17 7 Jan 2005.
- Kennedy, Donald. *See* Bybee, Rodger W.
- Kennedy, Elizabeth T. *See* Balmford, Andrew.
- Kent, Dennis V. and Tauxe, Lisa: Corrected Late Triassic latitudes for continents adjacent to the North Atlantic. p240 14 Jan 2005.
- Kepp, Oliver. *See* Berenbrink, Michael.
- Kerr, Richard A. (news): And now, the younger, dry side of Mars is coming out. p1025 18 Feb 2005. Climate modelers see scorching future as a real possibility. p497 28 Jan 2005. Encladus, a work in progress. p1709 18 Mar 2005. Failure to gauge the quake crippled the warning effort. p201 14 Jan 2005. Fossil count suggests biggest die-off wasn't due to a smashup. p335 21 Jan 2005. Ice or lava sea on Mars? A transatlantic debate erupts. p1390 4 Mar 2005. A lively core turns Mercury into an enormous electromagnet. p202 14 Jan 2005. Millennium's hottest decade retains its title, for now. p828 11 Feb 2005. Missing noble gases hint how Titan got its dense atmosphere. p496 28 Jan 2005. Ocean flow amplified, not triggered, climate change. p1854 25 Mar 2005. Ocean warming model again points to a human touch. p1190 25 Feb 2005. Pursued for 40 years, the Moho evades ocean drillers once again. p1707 18 Mar 2005. Scary Arctic ice loss? Blame the wind. p203 14 Jan 2005. Snapshots from the meeting. p203 14 Jan 2005. A strange

- little saturnian ice ball gets stranger still. p1387 4 Mar 2005. Titan, once a world apart, becomes eerily familiar. p330 21 Jan 2005. What's going on in Saturn's E ring? p202 14 Jan 2005.
- Ketteler, Guido. *See* Ghosal, Sutapa.
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- Khanna, S. N. *See* Bergeron, D. E.
- Khare, Narmada A. *See* Amonlirdviman, Keith.
- Khavari, Paul A. *See* Ortiz-Urda, Susana.
- Khélifi, B. *See* Aharonian, F.
- Khouri, Hoda M. *See* Seshadri, Rekha.
- Khurana, K. K. *See* Dougherty, M. K.
- Kiberstis, Paula A. (news): A surfeit of suspects. p369 21 Jan 2005.
- Kidwell, Susan M.: Shell composition has no net impact on large-scale evolutionary patterns in mollusks. p914 11 Feb 2005.
- Kihara, Shinji. *See* Fukuhara, Atsunori.
- Killmeyer, Richard P. *See* Kamakoti, Preeti.
- Kim, Chol; Xuong, Nguyen-Huu; Taylor, Susan S.: Crystal structure of a complex between the catalytic and regulatory (RI α) subunits of PKA. p690 4 Feb 2005.
- Kinast, Joseph; Turlapov, Andrey; Thomas, John E.; Chen, Qijin; Stajic, Jelena; Levin, Kathryn: Heat capacity of a strongly interacting Fermi gas. p1296 25 Feb 2005.
- Kingsley, David M. *See* Colosimo, Pamela F.
- Kinoshita, Makoto. *See* Spiliotis, Elias T.
- Kintisch, Eli (news): Anticloning forces launch second-term offensive. p1702 18 Mar 2005. Global tsunami warning system takes shape. p331 21 Jan 2005. Panel urges unified action, sets 2° target. p496 28 Jan 2005. Researcher faces prison for fraud in NIH grant applications and papers. p1851 25 Mar 2005. Savannah River lab faces budget ax. p1857 25 Mar 2005. U.S. clamor grows for global network of ocean sensors. p191 14 Jan 2005.
- Kirch, Patrick V. and Sharp, Warren D.: Coral ²³⁰Th dating of the imposition of a ritual control hierarchy in precontact Hawaii. p102 7 Jan 2005.
- Kirsch, E. *See* Krimigis, S. M.
- Kirschvink, Joseph L. *See* Ward, Peter D.
- Kiselev, S. I. *See* Krivorotov, I. N.
- Kishi, Masashi; Pan, Y. Albert; Crump, Justin Gage; Sanes, Joshua R.: Mammalian SAD kinases are required for neuronal polarization. p929 11 Feb 2005.
- Kishimoto, Kae. *See* Fukuhara, Atsunori.
- Kissui, Bernard. *See* Packer, Craig.
- Kitnasamy, Barry. *See* Yach, Derek.
- Kitazato, Hiroshi. *See* Todo, Yuko.
- Klawe, Maria. *See* Muller, Carol B.
- Klepac-Ceraj, Vanja. *See* Thompson, Janelle R.
- Klöhn, Peter-Christian. *See* Heikenwelder, Mathias.
- Ko, Minoru S. H. *See* Sakatani, Takashi.
- Koana, Takao. *See* Veneti, Zoe.
- Kobayashi, Koichi S.; Chamailard, Mathias; Ogura, Yasunori; Henegariu, Octavian; Inohara, Naohiro; Nuñez, Gabriel; Flavell, Richard A.: Nod2-dependent regulation of innate and adaptive immunity in the intestinal tract. p731 4 Feb 2005.
- Koch, Lauren Gerard. *See* Wislöff, Ulrik.
- Koehnle, Thomas J. *See* Hao, Shuzhen.
- Koerner, Carolin. *See* Rocks, Oliver.
- Kohsaka, Y. *See* Shen, Kyle M.
- Koldkjaer, Pia. *See* Berenbrink, Michael.
- Kolodkin, Alex L. *See* Gu, Chenghua.
- Kolonay, James F. *See* Seshadri, Rekha.
- Komatsu, Koichi; Murata, Michihisa; Murata, Yasujiro: Encapsulation of molecular hydrogen in fullerene C₆₀ by organic synthesis. p238 14 Jan 2005.
- Komin, Nu. *See* Aharonian, F.
- Kondo, Takao. *See* Tomita, Jun.
- Kondro, Wayne (news): Grants councils say more isn't nearly enough to keep science healthy. p1393 4 Mar 2005.
- Konečni, Vladimir J.: Abuse of prisoners at Abu Ghraib (letter). p1873 25 Mar 2005.
- Konopelko, A. *See* Aharonian, F.
- Koo, Hean L. *See* Loftus, Brendan J.
- Kooji, Taco W. A. *See* Hall, Neil.
- Koppers, Anthony A. P. and Staudigel, Hubert: Asynchronous bends in Pacific seamount trails: a case for extensional volcanism? p904 11 Feb 2005.
- Korablev, Oleg. *See* Bertaux, Jean-Loup.
- Korach, Kenneth S. *See* Hewitt, Sylvia Curtis.
- Kornberg, Arthur. *See* Altman, Sidney.
- Kornfeld, Kerry. *See* Evason, Kimberley.
- Korsmeyer, Stanley J. *See* Opferman, Joseph T.
- Korth, Axel. *See* Esposito, Larry W.
- Koshihara, Shin-ya. *See* Chollet, Matthieu.
- Koutroumpa, D. *See* Lallement, R.
- Kremen, Claire. *See* Balmford, Andrew.
- Krieger, Kim (news): Bristling with promise. p1194 25 Feb 2005.
- Krimigis, S. M.; Mitchell, D. G.; Hamilton, D. C.; Krupp, N.; Livi, S.; Roelof, E. C.; Dandouras, J.; Armstrong, T. P.; Mauk, B. H.; Paranicas, C.; Brandt, P. C.; Bolton, S.; Cheng, A. F.; Choo, T.; Gloeckler, G.; Hayes, J.; Hsieh, K. C.; Ip, W.-H.; Jaskulek, S.; Keath, E. P.; Kirsch, E.; Kusterer, M.; Lagg, A.; Lanzerotti, L. J.; LaVallee, D.; Manweiler, J.; McEntire, R. W.; Rasmuss, W.; Saur, J.; Turner, F. S.; Williams, D. J.; Woch, J.: Dynamics of Saturn's magnetosphere from MIMI during Cassini's orbital insertion. p1270 25 Feb 2005.
- Kristan, W. B., Jr. *See* Briggman, K. L.
- Krivorotov, I. N.; Emley, N. C.; Sankey, J. C.; Kiselev, S. I.; Ralph, D. C.; Buhrman, R. A.: Time-domain measurements of nanomagnet dynamics driven by spin-transfer torques. p228 14 Jan 2005.
- Krizan, Alisa C. *See* Levine, James A.
- Kronstad, James W. *See* Loftus, Brendan J.
- Krupp, N. *See* Krimigis, S. M.
- Krzywinski, Martin I. *See* Loftus, Brendan J.
- Kube, Dieter. *See* Paludan, Casper.
- Kuhlmann, Jürgen. *See* Rocks, Oliver.
- Kujime, Yukari. *See* Yokoyama, Kazunari K.
- Kulkarni, Hemant. *See* Gonzalez, Enrique.
- Kulmala, Markku. *See* Berndt, Torsten.
- Kumar, Sharvan. *See* Chisholm, Matthew F.
- Kump, Lee: Ironing out biosphere oxidation (perspective). p1058 18 Feb 2005.
- Kunde, V. G. *See* Flasar, F. M.
- Kuperavage, Adam J. *See* Eckhardt, Robert B.
- Kürner, Julia; Frangakis, Achilleas S.; Baumeister, Wolfgang: Cryo-electron tomography reveals the cytoskeletal structure of *Spiroplasma melliferum*. p436 21 Jan 2005.
- Kurth, W. S. *See* Gurnett, D. A.
- Kusterer, M. *See* Krimigis, S. M.
- Kustu, Sydney G. *See* Altman, Sidney.
- Kwak, Su-Hwan; Shen, Ronglai; Schiefelbein, John: Positional signaling mediated by a receptor-like kinase in *Arabidopsis*. p1111 18 Feb 2005.
- Kwon-Chung, June K. *See* Loftus, Brendan J.

L

- LaBaer, Joshua. *See* Fan, Melina.
- Labeledan, Bernard. *See* Lespinet, Olivier.
- Ladika, Susan (news): DNA helps identify missing in the tsunami zone. p504 28 Jan 2005.
- Ladreiter, H.-P. *See* Gurnett, D. A.
- Ladurner, Peter. *See* Rieger, Reinhard M.
- Lagg, A. *See* Krimigis, S. M.
- Lallement, R.; Quémerais, E.; Bertaux, J. L.; Ferron, S.; Koutroumpa, D.; Pellinen, R.: Deflection of the interstellar neutral hydrogen flow across the heliospheric interface. p1447 4 Mar 2005.
- Landick, Robert C. *See* Altman, Sidney.
- Landman, Uzi. *See* Yoon, Bokwon.
- Landsman, Limor. *See* Niess, Jan Hendrik.
- Landthaler, Markus. *See* Paludan, Casper.
- Landy, Arthur. *See* Altman, Sidney.
- Langevin, Y. *See* Arvidson, R. E. *See also* Mustard, J. F.
- Langevin, Y.; Poulet, F.; Bibring, J.-P.; Schmitt, B.; Douté, S.; Gondet, B.: Summer evolution of the north polar cap of Mars as observed by OMEGA/Mars Express. p1581 11 Mar 2005.
- Langevin, Yves. *See* Bibring, Jean-Pierre. *See also* Gendrin, Aline.
- Langevin, Yves; Poulet, François; Bibring, Jean-Pierre; Gondet, Brigitte: Sulfates in the north polar region of Mars detected by OMEGA/Mars Express. p1584 11 Mar 2005.
- Lanningham-Foster, Lorraine M. *See* Levine, James A.
- Lanzerotti, L. J. *See* Krimigis, S. M.
- LaPaugh, Andrea. *See* Muller, Carol B.
- LaPolla, John S.: Academy of Natural Sciences: job cuts (letter). p1560 11 Mar 2005.
- Larke, Natasha. *See* Cerdeño-Tárraga, Ana M.
- LaRosa, Theodore N. *See* Lazio, T. Joseph W.
- Larsen, Christopher. *See* Esposito, Larry W.
- Larson, Ben. *See* Kelley, Deborah S.
- Larson, Greger; Dobney, Keith; Albarella, Umberto; Fang, Meiyang; Matisoo-Smith, Elizabeth; Robins, Judith; Lowden, Stewart; Finlayson, Heather; Brand, Tina; Willerslev, Eske; Rowley-Conwy, Peter; Andersson, Leif; Cooper, Alan: Worldwide phylogeography of wild boar reveals multiple centers of pig domestication. p1618 11 Mar 2005.
- Larsson, Hans C. E.: review of *The Dinosauria*, by David B. Weishampel, Peter Dodson, and Halszka Osmólska, Eds. p520 28 Jan 2005.
- Latham, I. J. *See* Aharonian, F.
- Laurance, William F. *See* Fearnside, Philip M.
- Laurance, William F.; Albernaz, Ana K. M.; Fearnside, Philip M.; Vasconcelos, Heraldo L.; Ferreira, Leandro V.: Underlying causes of deforestation (letter). p1046 18 Feb 2005.
- Laurance, William F.; Fearnside, Philip M.; Albernaz, Ana K. M.; Vasconcelos, Heraldo L.; Ferreira, Leandro V.: Amazonian deforestation models (letter). p1043 18 Feb 2005.
- Lauro, F. M. *See* Vezzi, A.
- LaVallee, D. *See* Krimigis, S. M.
- Lavé, J.; Yule, D.; Sapkota, S.; Basant, K.; Madden, C.; Attal, M.; Pandey, R.: Evidence for a great medieval earthquake (~1100 A.D.) in the central Himalayas, Nepal. p1302 25 Feb 2005.
- Lawler, Andrew (news): Ancient Alexandria emerges, by land and by sea. p1192 25 Feb 2005. Boston University under fire for pathogen mishap. p501 28 Jan 2005. Hearing highlights dispute over Hubble's future. p831 11 Feb 2005. Hubble, other programs face cuts in 2006. p498 28 Jan 2005. Jupiter is a blue state, Mars is red. p834 11 Feb 2005. NASA plans to turn off several satellites. p1541 11 Mar 2005. NASA probe to examine edge of solar system. p653 4 Feb 2005. Nominee wins quick praise for his technical expertise. p1709 18 Mar 2005. Oxford center raises controversy. p1192 25 Feb 2005. Report bucks NASA's plan to end mission. p189 14 Jan 2005. Reviving Iraq's wetlands. p1186 25 Feb 2005. Summers's comments draw attention to gender, racial gaps. p492 28 Jan 2005.
- Lawler, Andrew. *See* Seife, Charles.
- Lazar, Mitchell A.: How obesity causes diabetes: not a tall tale. p373 21 Jan 2005.
- Lazio, T. Joseph W. and LaRosa, Theodore N.: At the heart of the Milky Way (perspective). p686 4 Feb 2005.
- Le, Lu Q. *See* Witte, Owen N.
- Le Gallou, R. *See* Aharonian, F.
- Leader-Williams, Nigel. *See* Balmford, Andrew.
- Leapman, Richard D. *See* Petkova, Aneta T.
- Leblanc, François. *See* Bertaux, Jean-Loup.

- Leboy, Phoebe S. *See* Muller, Carol B.
- Lecacheux, A. *See* Gurnett, D. A.
- Ledvina, S. A. *See* Waite, J. H., Jr.
- Lee, Bora. *See* Yeo, Michele.
- Lee, Ennis. *See* Andries, Koen.
- Lee, Hyangkyu. *See* Ortiz-Urda, Susana.
- Lee, Martin M. *See* Coyne, Michael J.
- Lee, Myung-Ken. *See* Robinson, Courtland.
- Lee, Sang Jun. *See* Wislöff, Ulrik.
- Lee, Soo-Kyung. *See* Yeo, Michele.
- Lee, W. S. *See* Shen, Kyle M.
- Leeder, Stephen R. *See* Yach, Derek.
- Leevers, Sally J. *See* Giannakou, Maria E.
- Lefebvre, Véronique. *See* Dommett, Eleanor.
- Leggett, A. J.: The quantum measurement problem. p871 11 Feb 2005.
- Lei, Liang. *See* Okajima, Tetsuya.
- Leigh, Brian S. *See* Wenger, Oliver S.
- Leip, Douglas D. *See* Sonnenburg, Justin L.
- Leisner, J. *See* Dougherty, M. K.
- Leith, David. *See* Muller, Carol B.
- Lellouch, E. *See* Flasar, F. M.
- Lemière, A. *See* Aharonian, F.
- Lemoine, M. *See* Aharonian, F.
- LeMouélic, Stéphane. *See* Gendrin, Aline.
- Lenardo, Michael. *See* Su, Helen.
- Lengeler, Klaus B. *See* Loftus, Brendan J.
- Lennard, Nicola. *See* Cerdeño-Tárraga, Ana M.
- Leroy, N. *See* Aharonian, F.
- Leshner, Alan I.: Where science meets society (editorial). p815 11 Feb 2005.
- Lepinet, Olivier and Labedan, Bernard: Orphan enzymes? (letter). p42 7 Jan 2005.
- Levin, Kathryn. *See* Kinast, Joseph.
- Lewine, James A.; Lanningham-Foster, Lorraine M.; McCrady, Shelly K.; Krizan, Alisa C.; Olson, Leslie R.; Kane, Parki H.; Jensen, Michael D.; Clark, Matthew M.: Interindividual variation in posture allocation: possible role in human obesity. p584 28 Jan 2005.
- Levy, David E. *See* O'Shea, John J.
- Levy, Oren. *See* Pease, Paul J.
- Levy, Stuart B. *See* Altman, Sidney.
- Lewis, Amanda L.; Altheide, Tasha K.; Varki, Ajit; Arden, Karen; Varki, Nissi M.: Combining parenting and a science career (letter). p1720 18 Mar 2005.
- Lewis, G. R. *See* Young, D. T.
- Ley, Ruth E. *See* Bäckhed, Fredrik.
- Li, J. J. *See* Michalet, X.
- Li, Junjie. *See* Yu, Bin.
- Li, Xiao-Ping. *See* Holt, Nancy E.
- Licinio, Julio. *See* Irizarry, Kristopher J. L.
- Lilley, Marvin D. *See* Kelley, Deborah S.
- Lillo, Concepción. *See* Stokin, Gorazd B.
- Lin, Qun. *See* Ortiz-Urda, Susana.
- Lin, R. P. *See* Smith, David M.
- Lin, Zhen. *See* Altman, Russ B.
- Linder, D. R. *See* Young, D. T.
- Lindsay, Keith. *See* Gillson, Lindsey.
- Line, Alexandra. *See* Cerdeño-Tárraga, Ana M.
- Lio, Domenico. *See* Caruso, Calogero.
- Lippman, Abby and Newman, Stuart A.: The ethics of deriving gametes from ES cells (letter). p515 28 Jan 2005.
- Lipsitch, Marc: Ethics of rationing the flu vaccine (letter). p41 7 Jan 2005.
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- Littman, Dan R. *See* Niess, Jan Hendrik.
- Liu, Hongjun. *See* Maeda, Shin.
- Liu, Ruiyu. *See* Xian, Weiwei.
- Liu, Xiaogang; Zhang, Yi; Goswami, Dipak K.; Okasinski, John S.; Salaita, Khalid; Sun, Peng; Bedzyk, Michael J.; Mirkin, Chad A.: The controlled evolution of a polymer single crystal. p1763 18 Mar 2005.
- Liu, Yongmei. *See* Barrios-Rodiles, Miriam.
- Liu, Zhong. *See* Barrios-Rodiles, Miriam.
- Livet, Jean. *See* Gu, Chenghua.
- Livi, S. *See* Krimigis, S. M.
- Lodge, Jennifer K. *See* Loftus, Brendan J.
- Lodish, Harvey F. *See* Hug, Christopher.
- Loftus, Brendan J.; Fung, Eula; Roncaglia, Paola; Rowley, Don; Amedeo, Paolo; Bruno, Dan; Vamathevan, Jessica; Miranda, Molly; Anderson, Iain J.; Fraser, James A.; Allen, Jonathan E.; Bosdet, Ian E.; Brent, Michael R.; Chiu, Readman; Doering, Tamara L.; Donlin, Maureen J.; D'Souza, Cletus A.; Fox, Deborah S.; Grinberg, Viktoriya; Fu, Jianmin; Fukushima, Marilyn; Haas, Brian J.; Huang, James C.; Janbon, Guilhem; Jones, Steven J. M.; Koo, Hean L.; Krzywinski, Martin I.; Kwon-Chung, June K.; Lengeler, Klaus B.; Maiti, Rama; Marra, Marco A.; Marra, Robert E.; Mathewson, Carrie A.; Mitchell, Thomas G.; Perte, Mihaela; Riggs, Florenta R.; Salzberg, Steven L.; Schein, Jacqueline E.; Schwartsbeyn, Alla; Shin, Heesun; Shumway, Martin; Specht, Charles A.; Suh, Bernard B.; Tenney, Aaron; Utterback, Terry R.; Wickes, Brian L.; Wortman, Jennifer R.; Wye, Natasja H.; Kronstad, James W.; Lodge, Jennifer K.; Heitman, Joseph; Davis, Ronald W.; Fraser, Claire M.; Hyman, Richard W.: The genome of the basidiomycetous yeast and human pathogen *Cryptococcus neoformans*. p1321 25 Feb 2005.
- Logadottir, A. *See* Honkala, K.
- Lohi, Hannes; Young, Edwin J.; Fitzmaurice, Susan N.; Rusbridge, Clare; Chan, Elaine M.; Vervoort, Mike; Turnbull, Julie; Zhao, Xiao-Chu; Ianzano, Leonarda; Paterson, Andrew D.; Sutter, Nathan B.; Ostrander, Elaine A.; André, Catherine; Shelton, G. Diane; Ackerley, Cameron A.; Scherer, Stephen W.; Minassian, Berge A.: Expanded repeat in canine epilepsy. p81 7 Jan 2005.
- Lohr, Bernard: review of *Nature's Music*, by Peter Marler and Hans Slabbekoorn, Eds. p1723 18 Mar 2005.
- Lohse, T. *See* Aharonian, F.
- Long, Kai. *See* Boyce, Michael.
- Long, Sharon R. *See* Altman, Sidney.
- Longo, Dan L. *See* Sakatani, Takashi.
- Lopez, Liliana I. *See* Smith, David M.
- Lord, Angela. *See* Cerdeño-Tárraga, Ana M.
- Lord, Susan. *See* Muller, Carol B.
- Lorimer, Duncan R.: A pulsar bonanza (perspective). p855 11 Feb 2005.
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- Louarn, P. *See* Gurnett, D. A.
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- Lovejoy, C. Owen. *See* Ohman, James C.
- Lovejoy, Thomas E. *See* Balmford, Andrew.
- Lowden, Stewart. *See* Larson, Greger.
- Lowe, John B.: Does Notch take the sweet road to success? (perspective). p1570 11 Mar 2005.
- Lowell, Bradford B. and Shulman, Gerald I.: Mitochondrial dysfunction and type 2 diabetes. p384 21 Jan 2005.
- Lu, D. H. *See* Shen, Kyle M.
- Lubert, Eric J. *See* Xing, Hongyan.
- Ludwig, Kristin. *See* Kelley, Deborah S.
- Luga, Valbona. *See* Barrios-Rodiles, Miriam.
- Luhmann, J. G. *See* Waite, J. H., Jr.
- Lumbierres, Maria. *See* Rocks, Oliver.
- Lundberg, John G. *See* de Carvalho, Marcelo R.
- Luo, Zhe-Xi. *See* Martin, Thomas.
- MacFadden, Bruce J.: Fossil horses—evidence for evolution (perspective). p1728 18 Mar 2005.
- Machens, Christian K.; Romo, Ranulfo; Brody, Carlos D.: Flexible control of mutual inhibition: a neural model of two-interval discrimination. p1121 18 Feb 2005.
- Mackenzie, Dana (news): Have a coq and a smile. p1402 4 Mar 2005. What in the name of Euclid is going on here? p1402 4 Mar 2005.
- MacKinnon, Roderick: Membrane protein insertion and stability (perspective). p1425 4 Mar 2005.
- Madan, Ashima. *See* Muller, Carol B.
- Madden, C. *See* Lavé, J.
- Madsen, Ole. *See* Teeling, Emma C.
- Madupu, Ramana. *See* Seshadri, Rekha.
- Maeda, H.; Norum, D. V. L.; Gallagher, T. F.: Microwave manipulation of an atomic electron in a classical orbit. p1757 18 Mar 2005.
- Maeda, Shin; Hsu, Li-Chung; Liu, Hongjun; Bankston, Laurie A.; Iimura, Mitsutoshi; Kagnoff, Martin F.; Eckmann, Lars; Karin, Michael: *Nod2* mutation in Crohn's disease potentiates NF- κ B activity and IL-1 β processing. p734 4 Feb 2005.
- Mahadevan, L. and Rica, S.: Self-organized origami. p1740 18 Mar 2005.
- Maiti, Rama. *See* Loftus, Brendan J.
- Major, Tiffany A. *See* Sauerwald, Anselm.
- Makishima, Makoto. *See* Fukuhara, Atsunori.
- Malacrida, G. *See* Vezzi, A.
- Malakoff, David (news): Grim forecast for a fading fleet. p338 21 Jan 2005.
- Mallal, Simon. *See* Nolan, David.
- Maloy, Stanley R. *See* Altman, Sidney.
- Malsam, Jörg; Satoh, Ayano; Pelletier, Laurence; Warren, Graham: Golgin tethers define subpopulations of COPI vesicles. p1095 18 Feb 2005.
- Mamin, H. J. *See* Budakian, R.
- Mamoutkine, A. *See* Flasar, F. M.
- Mangano, Andrea. *See* Gonzalez, Enrique.
- Mangold, N. *See* Arvidson, R. E. *See also* Mustard, J. F.
- Mangold, Nicolas. *See* Bibring, Jean-Pierre. *See also* Gendrin, Aline.
- Mankekar, Purnima. *See* Muller, Carol B.
- Mann, Charles C. *See* Normile, Dennis.
- Mann, Charles C. (news): Oldest civilization in the Americas revealed. p34 7 Jan 2005. Provocative study says obesity may reduce U.S. life expectancy. p1716 18 Mar 2005.
- Mann, Fanny. *See* Gu, Chenghua.
- Manweiler, J. *See* Krimigis, S. M.
- Marburger, John H., III: Marburger makes his position clear (letter). p515 28 Jan 2005.
- Marcowith, A. *See* Aharonian, F.
- Marinkovich, M. Peter. *See* Ortiz-Urda, Susana.
- Maron, J. L. *See* Croll, D. A.
- Marquet, Pablo A. *See* Storch, David.
- Marra, Marco A. *See* Loftus, Brendan J.
- Marra, Robert E. *See* Loftus, Brendan J.
- Marshall, Eliot (news): Cash-short schools aim to raise fees, recruit foreign students. p656 4 Feb 2005. Despite protests, MRC to move its largest institute into London. p1028 18 Feb 2005. Move provokes bruising fight over U.K. biomedical institute. p652 4 Feb 2005. Will DNA bar codes breathe life into classification? p1037 18 Feb 2005.
- Marten, A. *See* Flasar, F. M.
- Martin, Pino. *See* Muller, Carol B.
- Martin, Thomas and Luo, Zhe-Xi: Homoplasy in the mammalian ear (perspective). p861 11 Feb 2005.
- Martin, Ursula. *See* Muller, Carol B.
- Martindale, John. *See* Dommett, Eleanor.
- Martindale, Mark Q. and Finnerty, John R.: A clue to the origin of the bilateria? (letter). p353 21 Jan 2005.
- Martinis, John M. *See* McDermott, R.

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- Ma, Dawei. *See* Boyce, Michael.
- MacDonald, Thomas T. and Monteleone, Giovanni: Immunity, inflammation, and allergy in the gut. p1920 25 Mar 2005.
- Mace, Georgina. *See* Balmford, Andrew.

- Márton, Mihaela L.; Cordts, Simone; Broadhvest, Jean; Dresselhaus, Thomas: Micropylar pollen tube guidance by egg apparatus 1 of maize. p573 28 Jan 2005.
- Marty, Danielle. *See* van der Wielen, Paul W. J. J.
- Marx, Jean (news): Low-power mitochondria may raise risk of cardiovascular problems. p334 21 Jan 2005. Play and exercise protect mouse brain from amyloid buildup. p1547 11 Mar 2005. SUMO wrestles its way to prominence in the cell. p836 11 Feb 2005.
- Mashelkar, Raghunath A.: India's R&D: reaching for the top (essays on science and society). p1415 4 Mar 2005.
- Masliah, Eliezer. *See* Stokin, Gorazd B.
- Masterson, C. *See* Aharonian, F.
- Mathewson, Carrie A. *See* Loftus, Brendan J.
- Mathur, N. D. *See* Eerenstein, W.
- Matisoo-Smith, Elizabeth. *See* Larson, Greger.
- Matsuda, Kazunari. *See* Chollet, Matthieu.
- Matsuda, Morihiro. *See* Fukuhara, Atsunori.
- Matsuki, Yasushi. *See* Fukuhara, Atsunori.
- Matsuo, Yoshihide; Imagawa, Hiroshi; Nishizawa, Mugio; Shizuri, Yoshikazu: Isolation of an algal morphogenesis inducer from a marine bacterium. p1598 11 Mar 2005.
- Matsuzawa, Yuji. *See* Fukuhara, Atsunori.
- Mattick, John S. and Gagen, Michael J.: Accelerating networks (perspective). p856 11 Feb 2005.
- Mattson, Mark P. *See* Petkova, Aneta T.
- Matza, Didi. *See* Badou, Abdallah.
- Mauk, B. H. *See* Krimigis, S. M.
- Maurice, S. *See* Young, D. T.
- May, Robert. *See* Balmford, Andrew.
- Mayaux, Philippe. *See* Balmford, Andrew.
- Mayhew, Christopher N. *See* Xing, Hongyan.
- Mayhew, John E. W. *See* Domett, Eleanor.
- Mayntz, David; Raubenheimer, David; Salomon, Mor; Toft, Søren; Simpson, Stephen J.: Nutrient-specific foraging in invertebrate predators. p111 7 Jan 2005.
- McAndrews, H. J. *See* Young, D. T.
- McBride, Neil. *See* Kempf, Sascha.
- McClintock, William E. *See* Esposito, Larry W.
- McClure-Griffiths, N. M. *See* Gasnler, B. M.
- McComas, D. J. *See* Young, D. T.
- McComb, T. J. L. *See* Aharonian, F.
- McCook, Stuart: review of *Plants and Empire*, by Londa Schiebinger. p210 14 Jan 2005.
- McCormick, Beth A. *See* Niess, Jan Hendrik.
- McCormick, Craig and Ganem, Don: The kaposin B protein of KSHV activates the p38/MK2 pathway and stabilizes cytokine mRNAs. p739 4 Feb 2005.
- McCrary, Shelly K. *See* Levine, James A.
- McDaniel, Brent J. *See* Hao, Shuzhen.
- McDermott, R.; Simmonds, R. W.; Steffen, Matthias; Cooper, K. B.; Cicak, K.; Osborn, K. D.; Oh, Seongshik; Pappas, D. P.; Martinis, John M.: Simultaneous state measurement of coupled Josephson phase qubits. p1299 25 Feb 2005.
- McDonnell, J. Anthony M. *See* Kempf, Sascha.
- McEachran, John D. *See* de Carvalho, Marcelo R.
- McEntire, R. W. *See* Krimigis, S. M.
- McEwen, A. *See* Porco, C. C.
- McGaha, Tracy L.; Sorrentino, Brian; Ravetch, Jeffrey V.: Restoration of tolerance in lupus by targeted inhibitory receptor expression. p590 28 Jan 2005.
- McGenity, Terry J. *See* van der Wielen, Paul W. J. J.
- McGovern, Patrick J. *See* Solomon, Sean C.
- McGrath, Barbara C. *See* Hao, Shuzhen.
- McGraw, James B. and Furedi, Mary Ann: Deer browsing and population viability of a forest understory plant. p920 11 Feb 2005.
- McHughen, Alan. *See* Avery, Alex A.
- McKenna, G. B. *See* O'Connell, P. A.
- McKenna, Malcolm C. *See* Asher, Robert J.
- McNutt, R. L. *See* Waite, J. H., Jr.
- Mduma, Simon. *See* Packer, Craig.
- Meder, Doris and Simons, Kai: Ras on the roundabout (perspective). p1731 18 Mar 2005.
- Meehl, Gerald A.; Washington, Warren M.; Collins, William D.; Arblaster, Julie M.; Hu, Aixue; Buja, Lawrence E.; Strand, Warren G.; Teng, Haiyan: How much more global warming and sea level rise? p1769 18 Mar 2005.
- Meevasana, W. *See* Shen, Kyle M.
- Mehal, Wajahat Z. *See* Badou, Abdallah.
- Mekalanos, John J. *See* Altman, Sidney.
- Mellman, Ira. *See* Delamarre, Lélia.
- Mendoza, Jacqui. *See* Hall, Neil.
- Menezes, Naércio A. *See* de Carvalho, Marcelo R.
- Meng, Jin. *See* Asher, Robert J.
- Merte, Janna. *See* Gu, Chenghua.
- Mervis, Jeffrey (news): Caught in the squeeze. p832 11 Feb 2005. Dover teachers want no part of intelligent-design statement. p505 28 Jan 2005. Funding woes delay survey of U.S. graduate programs. p29 7 Jan 2005. NOAA loses funding to gather long-term climate data. p188 14 Jan 2005. Science education takes a hit at NSF. p832 11 Feb 2005. Shift in icebreaking fleet could crunch NSF budget. p1401 4 Mar 2005.
- Merz, Jon F. *See* Kempner, Joanna.
- Methe, Barbara A. *See* Seshadri, Rekha.
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- Meyers, Carolyn. *See* Muller, Carol B.
- Michalet, X.; Pinaud, F. F.; Bentolila, L. A.; Tsay, J. M.; Doose, S.; Li, J. J.; Sundaresan, G.; Wu, A. M.; Gambhir, S. S.; Weiss, S.: Quantum dots for live cells, in vivo imaging, and diagnostics. p538 28 Jan 2005.
- Micheli, F. *See* Pandolfi, J. M.
- Miguel, A. H. *See* Venkataraman, C.
- Milhollin, Gary. *See* Palmer, Liz.
- Miller, Greg (news): Linnaeus's legacy carries on. p1038 18 Feb 2005. Taxonomy's elusive grail. p1038 18 Feb 2005.
- Miller, Jo Anne. *See* Muller, Carol B.
- Miller, Timothy M. and Cleveland, Don W.: Treating neurodegenerative diseases with antibiotics (perspective). p361 21 Jan 2005.
- Minakhina, Svetlana. *See* Yu, Bin.
- Minassian, Berge A. *See* Lohi, Hannes.
- Miranda, Molly. *See* Loftus, Brendan J.
- Mirkin, Chad A. *See* Liu, Xiaogang.
- Mitchell, D. G. *See* Krimigis, S. M.
- Mitchell, Thomas G. *See* Loftus, Brendan J.
- Mizuno, Shin-ichi. *See* Opferman, Joseph T.
- Mizushima, Noboru. *See* Ogawa, Michinaga.
- Mohaddes, L. *See* Wang, J.
- Mohanan, Jaya L.; Arachchige, Indika U.; Brock, Stephanie L.: Porous semiconductor chalcogenide aerogels. p397 21 Jan 2005.
- Moles, Angela T.; Ackerly, David D.; Webb, Campbell O.; Tweddle, John C.; Dickie, John B.; Westoby, Mark: A brief history of seed size. p576 28 Jan 2005.
- Moles, Anna. *See* D'Amato, Francesca.
- Monteiro, António Miguel Vieira. *See* Câmara, Gilberto.
- Monteleone, Giovanni. *See* MacDonald, Thomas T.
- Mooij, Hans: The road to quantum computing (perspective). p1210 25 Feb 2005.
- Moqrich, Aziz; Hwang, Sun Wook; Earley, Taryn J.; Petrus, Matt J.; Murray, Amber N.; Spencer, Kathryn S. R.; Andahazy, Mary; Story, Gina M.; Patapoutian, Ardem: Impaired thermosensation in mice lacking TRPV3, a heat and camphor sensor in the skin. p1468 4 Mar 2005.
- Moradian-Oldak, Janet. *See* Du, Chang.
- Moragas-Klostermeyer, Georg. *See* Kempf, Sascha.
- Morling, Paul. *See* Balmford, Andrew.
- Morreale, Bryan D. *See* Kamakoti, Preeti.
- Morris, Howard. *See* Griffiths, Joel S.
- Morris, R. V. *See* Arvidson, R. E.
- Morrison, F. D. *See* Eerenstein, W.
- Mosey, Nicholas J.; Müser, Martin H.; Woo, Tom K.: Molecular mechanisms for the functionality of lubricant additives. p1612 11 Mar 2005.
- Mosser, Anna. *See* Packer, Craig.
- Mota, Luís Jaime; Journet, Laure; Sorg, Isabel; Agrain, Céline; Cornelis, Guy R.: Bacterial injectisomes: needle length does matter. p1278 25 Feb 2005.
- Mota, M. M. *See* Waters, A. P.
- Mounier, Joëlle. *See* West, Nicholas P.
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- Mueller-Wodarg, I. *See* Waite, J. H., Jr.
- Muller, Carol B.; Ride, Sally M.; Fouke, Janie; Whitney, Telle; Denton, Denise D.; Cantor, Nancy; Nelson, Donna J.; Plummer, Jim; Busch-Vishniac, Ilene; Meyers, Carolyn; Rosser, Sue V.; Schiebinger, Londa; Roberts, Eric; Burgess, David; Beeson, Craig; Metz, Susan Staffin; Sanders, Lucinda; Watford, Bevle A.; Ivey, Elizabeth S.; Fox, Mary Frank; Wettack, Sheldon; Klawe, Maria; Wulf, William A.; Girgus, Joan; Leboy, Phoebe S.; Babco, Eleanor L.; Shanahan, Betty; Didion, Catherine; Chubin, Daryl E.; Frize, Monique; Ganter, Susan L.; Nalley, E. Ann; Franz, Judy; Abruña, Héctor D.; Strober, Myra H.; Daniels, Jane Zimmer; Carter, Emily A.; Rhodes, Jean H.; Schrijver, Iris; Zakian, Virginia A.; Simons, Barbara; Martin, Ursula; Boaler, Jo; Jolluck, Katherine Rose; Mankekar, Purnima; Gray, Robert M.; Conkey, Margaret W.; Stansky, Peter; Xie, Aihua; Martin, Pino; Katehi, Linda P. B.; Miller, Jo Anne; Thornton, Amelia Tess; LaPaugh, Andrea; Rhode, Deborah L.; Gelpi, Barbara C.; Harrold, Mary Jean; Spencer, Cherrill M.; Ellis, Carla Schlatter; Lord, Susan; Quinn, Helen; Murnane, Margaret; Jones, Patricia P.; Hellman, Frances; Wight, Gail; O'Hara, Ruth; Pickering, Mary; Sheppard, Sheri; Leith, David; Paytan, Adina; Sommer, Matthew H.; Shafer, Audrey; Grusky, David; Yennello, Sherry; Madan, Ashima; Johnson, Denise L.; Yanagisako, Sylvia; Chou-Green, Jennifer M.; Robinson, Sandra: Gender differences and performance in science (letter). p1043 18 Feb 2005.
- Mulloy, Barbara. *See* Griffiths, Joel S.
- Mun, Bongjin Simon. *See* Ghosal, Sutapa.
- Mundy, Peter C. *See* Gernsbacher, Morton A.
- Münz, Christian. *See* Paludan, Casper.
- Murakami, Hiroko. *See* Fukuhara, Atsunori.
- Murakami, Mirei. *See* Fukuhara, Atsunori.
- Murata, Michihisa. *See* Komatsu, Koichi.
- Murata, Takehide. *See* Yokoyama, Kazunari K.
- Murata, Yasujiro. *See* Komatsu, Koichi.
- Murnane, Margaret. *See* Muller, Carol B.
- Murphy, Daniel M.: Something in the air (perspective). p1888 25 Mar 2005.
- Murphy, William J. *See* Teeling, Emma C.
- Murray, Amber N. *See* Moqrich, Aziz.
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- Murray, Norman W. *See* Holman, Matthew J.
- Mursula, K. *See* Young, D. T.
- Murthy, Krishna K. *See* Gonzalez, Enrique.
- Musch, David C.: Abuse of prisoners at Abu Ghraib (letter). p1873 25 Mar 2005.
- Müser, Martin H. *See* Mosey, Nicholas J.
- Musser, Anne M. *See* Rich, Thomas H.
- Mustard, J. F.; Poulet, F.; Gendrin, A.; Bibring, J.-P.; Langevin, Y.; Gondet, B.; Mangold, N.; Bellucci, G.; Altieri, F.: Olivine and pyroxene diversity in the crust of Mars. p1594 11 Mar 2005.
- Mustard, John. *See* Bibring, Jean-Pierre. *See also* Gendrin, Aline.
- Myers, Richard M. *See* Colosimo, Pamela F.
- Myshakin, Evgeniy M. *See* Clarkson, Jasper R.

- Nadeau, Robert M. and Dolenc, David: Non-volcanic tremors deep beneath the San Andreas Fault. p389 21 Jan 2005.
- Najjar, Sonia M. *See* Wisløff, Ulrik.
- Nakagawa, Takao; Sakurai, Takeshi; Nishioka, Takaaki; Touhara, Kazushige: Insect sex-pheromone signals mediated by specific combinations of olfactory receptors. p1638 11 Mar 2005.
- Nakajima, Masato. *See* Tomita, Jun.
- Nalley, E. Ann. *See* Muller, Carol B.
- Narayan, Ramesh and Quataert, Eliot: Black hole accretion. p77 7 Jan 2005.
- Narayan, Sanjay. *See* Bronstein, Daniel A.
- Narheim, B. T. *See* Young, D. T.
- Nayak, Surendra K. *See* Panda, Satchidananda.
- Neaton, J. *See* Wang, J.
- Neefs, Jean-Marc. *See* Andries, Koen.
- Neff, Hector. *See* Blomster, Jeffrey P.
- Neidhardt, Frederick C. *See* Altman, Sidney.
- Nelson, Charles A. and Gottesman, Irving I.: review of *The Great Brain Debate*, by John E. Dowling. p1204 25 Feb 2005.
- Nelson, Donna J. *See* Muller, Carol B.
- Nelson, Gareth. *See* de Carvalho, Marcelo R.
- Nelson, Karen E. *See* Seshadri, Rekha.
- Nelson, W. James. *See* Spiliotis, Elias T.
- Nelson, William C. *See* Seshadri, Rekha.
- NetWatch: Above and beyond. p1021 18 Feb 2005. After the double helix. p1177 25 Feb 2005. All together now. p651 4 Feb 2005. Answering age-old questions. p187 14 Jan 2005. Atomic alter egos. p187 14 Jan 2005. Bad for the genes. p491 28 Jan 2005. A bird in hand. p21 7 Jan 2005. Breaking down diabetes. p1385 4 Mar 2005. Bringing bugs into focus. p491 28 Jan 2005. Calling all taxonomists. p1021 18 Feb 2005. Catch a gravity wave. p1385 4 Mar 2005. A century of relativity. p187 14 Jan 2005. Counting cancer's bad breaks. p1021 18 Feb 2005. Cytochrome central. p21 7 Jan 2005. Decoding the noncode. p329 21 Jan 2005. Digital molecular library. p1177 25 Feb 2005. Eye on Mesoamerica. p1385 4 Mar 2005. Fire up the virtual Bunsen burner. p21 7 Jan 2005. Foundations of fertility. p1847 25 Mar 2005. Genetics of seizures. p1177 25 Feb 2005. Genomics workshop. p823 11 Feb 2005. Growth spurt at Tree of Life. p329 21 Jan 2005. Herp haven. p1847 25 Mar 2005. How to read an elephant. p491 28 Jan 2005. A human gene master list. p1701 18 Mar 2005. Is there a cartographer in the house? p187 14 Jan 2005. Lakota timekeeping. p1847 25 Mar 2005. Life in the colonies. p1701 18 Mar 2005. The making of the atomic bond. p21 7 Jan 2005. Map-o-matic. p329 21 Jan 2005. Math from the ground up. p651 4 Feb 2005. Microbial get-together. p1701 18 Mar 2005. Mineral mother lode. p651 4 Feb 2005. A natural history sampler. p491 28 Jan 2005. Neurons on display. p1847 25 Mar 2005. Only connect. p1539 11 Mar 2005. Physics tutor. p1177 25 Feb 2005. Planet Earth checkup. p651 4 Feb 2005. Racing light. p1539 11 Mar 2005. Receptor roundup. p823 11 Feb 2005. Science video store. p1385 4 Mar 2005. Shot into space. p823 11 Feb 2005. Sifting through SNPs. p21 7 Jan 2005. Sketching out past worlds. p329 21 Jan 2005. Small-screen science. p823 11 Feb 2005. Space flight's untold history. p1701 18 Mar 2005. Spotlighting Africa's research. p823 11 Feb 2005. Standard of normalcy. p1539 11 Mar 2005. Stuck on sugars. p1847 25 Mar 2005. The sum of human knowledge. p1539 11 Mar 2005. Surfing the rocks. p1701 18 Mar 2005. Taking the sting out of bumblebee taxonomy. p651 4 Feb 2005. Tallying life down under. p1385 4 Mar 2005. Viral visions. p1021 18 Feb 2005. What the bees see. p1539 11 Mar 2005. A year in a physicist's life. p491 28 Jan 2005. Zooming in on SNPs. p1177 25 Feb 2005.
- Neubauer, F. M. *See* Dougherty, M. K.
- Neukum, G. *See* Porco, C. C.
- Neumann, Gregory A. *See* Solomon, Sean C.
- Neumar, D. M. *See* Verlet, J. R. R.
- Neureiter, Norman P.: Scientific priorities in North Korea (letter). p206 14 Jan 2005.
- Newman, Stuart A. *See* Lippman, Abby.
- Nibbs, Robert J. *See* Gonzalez, Enrique.
- Niemann, H. B. *See* Waite, J. H., Jr.
- Niess, Jan Hendrik; Brand, Stephan; Gu, Xiubin; Landsman, Limor; Jung, Steffen; McCormick, Beth A.; Vyas, Jatin M.; Boes, Marianne; Ploegh, Hidde L.; Fox, James G.; Littman, Dan R.; Reinecker, Hans-Christian: CX₂CR1-mediated dendritic cell access to the intestinal lumen and bacterial clearance. p254 14 Jan 2005.
- Nilsen, Geoffrey B. *See* Hinds, David A.
- Nilsson, Christina. *See* Normark, Staffan.
- Nishimura, Emi K.; Granter, Scott R.; Fisher, David E.: Mechanisms of hair graying: incomplete melanocyte stem cell maintenance in the niche. p720 4 Feb 2005.
- Nishioka, Takaaki. *See* Nakagawa, Takao.
- Nishizawa, Masako. *See* Fukuhara, Atsunori.
- Nishizawa, Mugio. *See* Matsuo, Yoshihide.
- Niwa, Hajime. *See* Rappas, Mathieu.
- Nixon, C. A. *See* Flasar, F. M.
- Niyogi, Krishna K. *See* Holt, Nancy E.
- Nojima, Satoshi; Schal, Coby; Webster, Francis X.; Santangelo, Richard G.; Roelofs, Wendell L.: Identification of the sex pheromone of the German cockroach, *Blattella germanica*. p1104 18 Feb 2005.
- Nolan, David; James, Ian; Mallal, Simon: HIV: experiencing the pressures of modern life (perspective). p1422 4 Mar 2005.
- Nolan, S. J. *See* Aharonian, F.
- Norbertzak, Halina. *See* Cerdeño-Tárraga, Ana M.
- Normark, Birgitta Henriques. *See* Normark, Staffan.
- Normark, Staffan; Nilsson, Christina; Normark, Birgitta Henriques: A pathogen attacks while keeping up defense (perspective). p1211 25 Feb 2005.
- Normile, Dennis (news): "Amateur" proofs blend religion and scholarship in ancient Japan. p1715 18 Mar 2005. Centers embrace an alliance but remain wary of a merger. p498 28 Jan 2005. First human case in Cambodia highlights surveillance shortcomings. p1027 18 Feb 2005. Fundraising begins for network of four African institutes. p499 28 Jan 2005. Inventor knocks Japan's system after settlement. p337 21 Jan 2005. Japan's new ship sets standard as modern, floating laboratory. p1552 11 Mar 2005. Mild illnesses confound researchers. p27 7 Jan 2005. New budget accelerates shift to competitive grants. p24 7 Jan 2005. Shuji Nakamura speaks out. p337 21 Jan 2005. University spending plan triggers heated debate. p659 4 Feb 2005.
- Normile, Dennis and Mann, Charles C. (news): Asia jockeys for stem cell lead. p660 4 Feb 2005. Asian countries permit research, with safeguards. p664 4 Feb 2005.
- Normile, Dennis. *See* Enserink, Martin.
- Nørskov, J. K. *See* Honkala, K.
- Norum, D. V. L. *See* Maeda, H.
- Noutsos, A. *See* Aharonian, F.
- Novacek, Michael J. *See* Asher, Robert J.
- Nowotny, Helga: The emergence of the ERC (letter). p1200 25 Feb 2005.
- Núñez, Gabriel. *See* Kobayashi, Koichi S.
- Nussman, Michael: The recreational fisher's perspective (letter). p1560 11 Mar 2005.
- O'Brien, Stephen J. *See* Teeling, Emma C.
- O'Connell, P. A. and McKenna, G. B.: Rheological measurements of the thermoviscoelastic response of ultrathin polymer films. p1760 18 Mar 2005.
- O'Connell, Robert J. *See* Gonzalez, Enrique.
- Ogale, S. B. *See* Wang, J.
- Ogawa, Michinaga; Yoshimori, Tamotsu; Suzuki, Toshihiko; Sagara, Hiroshi; Mizushima, Noboru; Sasakawa, Chihiro: Escape of intracellular *Shigella* from autophagy. p727 4 Feb 2005.
- Ogden, J. C. *See* Pandolfi, J. M.
- Ogletree, D. Frank. *See* Ghosal, Sutapa.
- Ogura, Yasunori. *See* Kobayashi, Koichi S.
- Oh, Seongshik. *See* McDermott, R.
- O'Hara, Ruth. *See* Muller, Carol B.
- Ohlsson, Rolf. *See* Sakatani, Takashi.
- Ohman, James C.; Lovejoy, C. Owen; White, Tim D.: Questions about *Orrorin* femur (letter). p845 11 Feb 2005.
- Ohtsubo, Tsuguteru. *See* Fukuhara, Atsunori.
- Okajima, Tetsuya; Xu, Aiguo; Lei, Liang; Irvine, Kenneth D.: Chaperone activity of protein O-fucosyltransferase 1 promotes Notch receptor folding. p1599 11 Mar 2005.
- Okano, Hideyuki. *See* Sakatani, Takashi.
- Okasinski, John S. *See* Liu, Xiaogang.
- Olson, Eric J. *See* Kelley, Deborah S.
- Olson, Leslie R. *See* Levine, James A.
- Olson, Steve (news): Brain scans raise privacy concerns. p1548 11 Mar 2005. An image of disease. p1550 11 Mar 2005.
- The OMEGA team. *See* Bibring, Jean-Pierre.
- Ong, Christy C. *See* Opferman, Joseph T.
- Opferman, Joseph T.; Iwasaki, Hiromi; Ong, Christy C.; Suh, Heikyung; Mizuno, Shim-ichi; Akashi, Koichi; Korsmeyer, Stanley J.: Obligate role of anti-apoptotic MCL-1 in the survival of hematopoietic stem cells. p1101 18 Feb 2005.
- O'Rahilly, Stephen; Barroso, Inês; Wareham, Nicholas J.: Genetic factors in type 2 diabetes: the end of the beginning? p370 21 Jan 2005.
- Orford, K. J. *See* Aharonian, F.
- Ormond, Doug. *See* Cerdeño-Tárraga, Ana M. *See also* Hall, Neil.
- Ortiz-Urda, Susana; Garcia, John; Green, Cheryl L.; Chen, Lei; Lin, Qun; Veitch, Dallas P.; Sakai, Lynn Y.; Lee, Hyangkyu; Marinkovich, M. Peter; Khavari, Paul A.: Type VII collagen is required for Ras-driven human epidermal tumorigenesis. p1773 18 Mar 2005.
- Orton, G. S. *See* Flasar, F. M.
- Orton, G. S. and Yanamandra-Fisher, P. A.: Saturn's temperature field from high-resolution middle-infrared imaging. p696 4 Feb 2005.
- Osborn, K. D. *See* McDermott, R.
- Osborne, Ian. *See* Coontz, Robert.
- Osborne, J. L. *See* Aharonian, F.
- O'Shea, John J.; Kanno, Yuka; Chen, Xiaomin; Levy, David E.: Stat acetylation—a key facet of cytokine signaling? (perspective). p217 14 Jan 2005.
- Ostrand, Elaine A. *See* Lohi, Hannes.
- Ota, Akira. *See* Chollet, Matthieu.
- Ouchrif, M. *See* Aharonian, F.
- Overton, Paul G. *See* Dommett, Eleanor.
- Owen, Art B. *See* Altman, Russ B.
- Owen, T. C. *See* Flasar, F. M.
- Owen, W. M. *See* Porco, C. C.
- Ozdamar, Barish. *See* Barrios-Rodiles, Miriam.
- Ozdamar, Barish; Bose, Rohit; Barrios-Rodiles, Miriam; Wang, Hong-Rui; Zhang, Yue; Wrana, Jeffrey L.: Regulation of the polarity protein Par6 by TGF β receptors controls epithelial cell plasticity. p1603 11 Mar 2005.
- Pace, Norman R. *See* Altman, Sidney.
- Pack, Margit. *See* Delamarre, Lélia.
- Packer, Craig; Hilborn, Ray; Mosser, Anna; Kissui, Bernard; Borner, Markus; Hopcraft, Grant; Wilmshurst, John; Mduma, Simon; Sinclair, Anthony R. E.: Ecological change, group territo-

- riality, and population dynamics in Serengeti lions. p390 21 Jan 2005.
- Pacocho, Sarah. *See* Thompson, Janelle R.
- Padgett, Richard W. *See* Yu, Bin.
- Pahnke, Katharina and Zahn, Rainer: Southern Hemisphere water mass conversion linked with North Atlantic climate variability. p1741 18 Mar 2005.
- Paige, David A.: Ancient Mars: wet in many places. p1575 11 Mar 2005.
- Pain, Arnab. *See* Hall, Neil.
- Pala, Christopher (news): From samizdat to celebrity—and back. p1033 18 Feb 2005. To save a vanishing sea. p1032 18 Feb 2005.
- Palioura, Sotiria. *See* Sauerwald, Anselm.
- Pallier, E. *See* Young, D. T.
- Palmer, Liz and Milhollin, Gary: Brazil's nuclear activities (letter). p847 11 Feb 2005.
- Paludan, Casper; Schmid, Dorothee; Landthaler, Markus; Vockerodt, Martina; Kube, Dieter; Tuschl, Thomas; Münz, Christian: Endogenous MHC class II processing of a viral nuclear antigen after autophagy. p593 28 Jan 2005.
- Pan, Y. Albert. *See* Kishi, Masashi.
- Panda, Satchidananda; Nayak, Surendra K.; Campo, Brice; Walker, John R.; Hogenesch, John B.; Jegla, Tim: Illumination of the melanopsin signaling pathway. p600 28 Jan 2005.
- Pandey, R. *See* Lavé, J.
- Pandolfi, J. M.; Jackson, J. B. C.; Baron, N.; Bradbury, R. H.; Guzman, H. M.; Hughes, T. P.; Kappel, C. V.; Micheli, F.; Ogden, J. C.; Possingham, H. P.; Sala, E.: Are U.S. coral reefs on the slippery slope to slime? p1725 18 Mar 2005.
- Panter, M. *See* Aharonian, F.
- Pappas, D. P. *See* McDermott, R.
- Paradise, Jordan; Andrews, Lori; Holbrook, Timothy: Patents on human genes: an analysis of scope and claims. p1566 11 Mar 2005.
- Paranicas, C. *See* Krimigis, S. M.
- Park, Sang Tae. *See* Srinivasan, Ramesh.
- Parkhill, Julian. *See* Cerdeño-Tárraga, Ana M.
- Park-Sarge, Ok-Kyong. *See* Xing, Hongyan.
- Parsot, Claude. *See* West, Nicholas P.
- Partridge, Linda. *See* Giannakou, Maria E.
- Pasquini, T. A. *See* Saba, M.
- Patapoutian, Ardem. *See* Moqrich, Aziz.
- Paterson, Andrew D. *See* Lohi, Hannes.
- Patrick, Sheila. *See* Cerdeño-Tárraga, Ana M.
- Payne, Anthony G.: Inflammation and life-span (letter). p208 14 Jan 2005.
- Paytan, Adina. *See* Muller, Carol B.
- Pearl, J. C. *See* Flasar, F. M.
- Pease, Paul J.; Levy, Oren; Cost, Gregory J.; Gore, Jeff; Ptacin, Jerod L.; Sherratt, David; Bustamante, Carlos; Cozzarelli, Nicholas R.: Sequence-directed DNA translocation by purified FtsK. p586 28 Jan 2005.
- Pedersen, A. *See* Gurnett, D. A.
- Pedraza, Juan M. and van Oudenaarden, Alexander: Noise propagation in gene networks. p1965 25 Mar 2005.
- Peekna, Andres: Combining parenting and a science career (letter). p1720 18 Mar 2005.
- Pelletier, G. *See* Aharonian, F.
- Pelletier, Laurence. *See* Malsam, Jörg.
- Pellinen, R. *See* Lallement, R.
- Peng, You-Qing. *See* Badou, Abdallah.
- Pennington, Daniel J. *See* Silva-Santos, Bruno.
- Pennisi, Elizabeth (news): Bird wings really are like dinosaurs' hands. p194 14 Jan 2005. The dynamic gut. p1896 25 Mar 2005. A genomic view of animal behavior. p30 7 Jan 2005. Irresistible lure for cockroaches determined. p1029 18 Feb 2005. More than one way to dig a tunnel. p347 21 Jan 2005. A mouthful of microbes. p1899 25 Mar 2005. Mutterings from the silenced X chromosome. p1708 18 Mar 2005. Ocean research budget ebbs. p834 11 Feb 2005. Powerful tsunami's impact on coral reefs was hit and miss. p657 4 Feb 2005. Scuffling roaches outwit without their brains. p346 21 Jan 2005. Special hemoglobin helped swim bladders give fish diversity a lift. p1705 18 Mar 2005. Talking about a revolution: hidden RNA may fix mutant genes. p1852 25 Mar 2005. What's eating you? p1897 25 Mar 2005. With flippers, two can equal four. p346 21 Jan 2005.
- Pennisi, Elizabeth. *See* Simpson, Stephen.
- Perkins, F. K. *See* Snow, E. S.
- Perlis, Clifford S. *See* Kempner, Joanna.
- Perrier, Séverine. *See* Bertaux, Jean-Loup.
- Perrimon, Norbert. *See* Gibson, Matthew C.
- Perry, J. *See* Porco, C. C.
- Persaud, Raj: Abuse of prisoners at Abu Ghraib (letter). p1873 25 Mar 2005.
- Persoon, A. M. *See* Gurnett, D. A.
- Pertea, Mihaela. *See* Loftus, Brendan J.
- Peterson, Daniel A. *See* Bäckhed, Fredrik.
- Petkova, Aneta T.; Leapman, Richard D.; Guo, Zhihong; Yau, Wai-Ming; Mattson, Mark P.; Tycko, Robert: Self-propagating, molecular-level polymorphism in Alzheimer's β -amyloid fibrils. p262 14 Jan 2005.
- Petrus, Matt J. *See* Moqrich, Aziz.
- Peyker, Anna. *See* Rocks, Oliver.
- Pfaff, Samuel L. *See* Yeo, Michele.
- Pharino, Chanathip. *See* Thompson, Janelle R.
- Phillippy, Adam M. *See* Seshadri, Rekha.
- Phillips, Joanna. *See* Balmford, Andrew.
- Phillips, Richard A. *See* Crossall, John P.
- Phillips, Roger J. *See* Solomon, Sean C.
- Pickering, Mary. *See* Muller, Carol B.
- Pierce, D. T. *See* Crain, J. N.
- Pilorz, S. *See* Flasar, F. M.
- Pimentel, David: What kind of farming works best? (letter). p1410 4 Mar 2005.
- Pinaud, F. F. *See* Michalet, X.
- Piotrowski, Alexander M.; Goldstein, Steven L.; Hemming, Sidney R.; Fairbanks, Richard G.: Temporal relationships of carbon cycling and ocean circulation at glacial boundaries. p1933 25 Mar 2005.
- Pita, G. *See* Aharonian, F.
- Ploegh, Hidde L. *See* Niess, Jan Hendrik.
- Plummer, Jim. *See* Muller, Carol B.
- Polansky, Deborah. *See* Budowle, Bruce.
- Polz, Martin F. *See* Thompson, Janelle R.
- Poncharal, Philippe. *See* de Heer, Walt A.
- Pool, Douglas J. *See* Richardson, Curtis J.
- Porco, C. C.; Baker, E.; Barbara, J.; Beurle, K.; Brahic, A.; Burns, J. A.; Charnoz, S.; Cooper, N.; Dawson, D. D.; Del Genio, A. D.; Denk, T.; Dones, L.; Dyudina, U.; Evans, M. W.; Giese, B.; Grazier, K.; Helfenstein, P.; Ingersoll, A. P.; Jacobson, R. A.; Johnson, T. V.; McEwen, A.; Murray, C. D.; Neukum, G.; Owen, W. M.; Perry, J.; Roatsch, T.; Spitale, J.; Squyres, S.; Thomas, P.; Tiscareno, M.; Turtle, E.; Vasavada, A. R.; Veverka, J.; Wagner, R.; West, R.: Cassini Imaging Science: initial results on Saturn's atmosphere. p1243 25 Feb 2005. Cassini Imaging Science: initial results on Saturn's rings and small satellites. p1226 25 Feb 2005.
- Porco, C. C.; Baker, E.; Barbara, J.; Beurle, K.; Brahic, A.; Burns, J. A.; Charnoz, S.; Cooper, N.; Dawson, D. D.; Del Genio, A. D.; Denk, T.; Dones, L.; Dyudina, U.; Evans, M. W.; Giese, B.; Grazier, K.; Helfenstein, P.; Ingersoll, A. P.; Jacobson, R. A.; Johnson, T. V.; McEwen, A.; Murray, C. D.; Neukum, G.; Owen, W. M.; Perry, J.; Roatsch, T.; Spitale, J.; Squyres, S.; Thomas, P. C.; Tiscareno, M.; Turtle, E.; Vasavada, A. R.; Veverka, J.; Wagner, R.; West, R.: Cassini Imaging Science: initial results on Phoebe and Iapetus. p1237 25 Feb 2005.
- Porte, Daniel, Jr. *See* Schwartz, Michael W.
- Possingham, H. P. *See* Pandolfi, J. M.
- Postberg, Frank. *See* Kempf, Sascha.
- Poulet, F. *See* Arvidson, R. E. *See also* Langevin, Y. *See also* Mustard, J. F.
- Poulet, François. *See* Bibring, Jean-Pierre. *See also* Gendrin, Aline. *See also* Langevin, Yves.
- Poulsen, Michael and Boomsma, Jacobus J.: Mutualistic fungi control crop diversity in fungus-growing ants. p741 4 Feb 2005.
- Power, Deborah M. *See* Fabra, Mercedes.
- Poxton, Ian. *See* Cerdeño-Tárraga, Ana M.
- Prakash, C. S. *See* Avery, Alex A.
- Prangé, R. *See* Flasar, F. M.
- Premack, Ann. *See* Premack, David.
- Premack, David and Premack, Ann: Evolution versus invention (letter). p673 4 Feb 2005.
- Prévost, Marie-Christine. *See* West, Nicholas P.
- Price, Claire. *See* Cerdeño-Tárraga, Ana M.
- Price, Trevor D. *See* Irwin, Darren E.
- Prinz, Marco. *See* Heikenwalder, Mathias.
- Pritchard, D. E. *See* Saba, M.
- Prochnicka-Chalufour, Ada. *See* West, Nicholas P.
- Proffitt, Fiona (news): Twisted parasites from "outer space" perplex biologists. p343 21 Jan 2005.
- Proskurowski, Giora. *See* Kelley, Deborah S.
- Prossnitz, Eric R. *See* Revankar, Chetana M.
- Pryor, Wayne R. *See* Esposito, Larry W.
- Przulj, Natasa. *See* Barrios-Rodiles, Miriam.
- Ptacin, Jerod L. *See* Pease, Paul J.
- Ptashne, Mark. *See* Altman, Sidney.
- Pühlhofer, G. *See* Aharonian, F.
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- Qi, Maosong. *See* Elion, Elaine A.
- Qing, Liu. *See* Chevalier, M.-L.
- Quail, Michael A. *See* Hall, Neil.
- Quail, Mike A. *See* Cerdeño-Tárraga, Ana M.
- Quantin, Cathy. *See* Gendrin, Aline.
- Quataert, Eliot. *See* Narayan, Ramesh.
- Quémérais, E. *See* Bertaux, Jean-Loup.
- Quémérais, E. *See* Lallement, R.
- Quinn, Helen. *See* Muller, Carol B.
- Quinones, Marlon P. *See* Gonzalez, Enrique.
- Quintyne, Nicholas J.; Reing, Janet E.; Hoffelder, Diane R.; Gollin, Susanne M.; Saunders, William S.: Spindle multipolarity is prevented by centrosomal clustering. p127 7 Jan 2005.
- Rabbinowitsch, Ester. *See* Cerdeño-Tárraga, Ana M.
- Rabe, K. M. *See* Wang, J.
- Radtke, Freddy and Clevers, Hans: Self-renewal and cancer of the gut: two sides of a coin. p1904 25 Mar 2005.
- Raffaelli, David; Cardinale, Bradley J.; Downing, Amy L.; Engelhardt, Katharina A. M.; Ruesink, Jennifer L.; Solan, Martin; Srivastava, Diane S.: Reinventing the wheel in ecology research? (letter). p1875 25 Mar 2005.
- Raine, J. Dale. *See* Hall, Neil.
- Rajandream, Marie-Adele. *See* Hall, Neil.
- Raldúa, Demetrio. *See* Fabra, Mercedes.
- Ralph, D. C. *See* Krivorotov, I. N.
- Raman, Rema. *See* Stokin, Gorazd B.
- Ramesh, R. *See* Wang, J.
- Random Samples: Academy honors. p671 4 Feb 2005. Adios. p351 21 Jan 2005. After the Earth moved. p670 4 Feb 2005. Ageless. p843 11 Feb 2005. Arsenic challenge. p1041 18 Feb 2005. Battle of the titans. p511 28 Jan 2005. Big brains rule the roost. p1867 25 Mar 2005. Building bridges. p1559 11 Mar 2005. The burden of sex. p670 4 Feb 2005. California cancers. p38 7 Jan 2005. A call to verse. p511 28 Jan 2005. Change at AAMC. p351 21 Jan 2005. Changes at LBNL. p1407 4 Mar 2005. Chemistry prize. p1041 18 Feb 2005. A clean sweep. p204 14 Jan 2005.

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Offering stability. p205 14 Jan 2005. Open-ended inquiry. p1559 11 Mar 2005. The peacemaker. p39 7 Jan 2005. Physics all-star. p1199 25 Feb 2005. Preserving New Zealand's bats. p1040 18 Feb 2005. Primordial fungus. p204 14 Jan 2005. Probing plant defenses. p1718 18 Mar 2005. Renaissance man. p1199 25 Feb 2005. Ring around a moon? p349 21 Jan 2005. Sandia gold. p1407 4 Mar 2005. Scientists' personalities. p349 21 Jan 2005. Seeing stars underground. p1405 4 Mar 2005. Sensitivity or censorship? p1197 25 Feb 2005. She's game. p513 28 Jan 2005. Shining star. p1719 18 Mar 2005. Signals from rubble. p1040 18 Feb 2005. Smart robot. p1867 25 Mar 2005. Stonehenge for southern skies. p1405 4 Mar 2005. Sumatran quake supersized. p1040 18 Feb 2005. Support group. p351 21 Jan 2005. Surely you're joking. p1199 25 Feb 2005. Taxonomy, Turkish style. p1718 18 Mar 2005. Tectonic shift. p39 7 Jan 2005. Toughening up brain cells. p38 7 Jan 2005. Unfinished business. p205 14 Jan 2005. Unloading biosphere. p349 21 Jan 2005. Up in the air. p39 7 Jan 2005. Upright ancestors from Ethiopia. p1867 25 Mar 2005. Urban expansion. p1718 18 Mar 2005. Vietnam's friend. p351 21 Jan 2005. Wake-up call for an aging Europe. p842 11 Feb 2005. Wolf Prizes. p513 28 Jan 2005. Ransom, Scott M.; Hessels, Jason W. T.; Stairs, Ingrid H.; Freire, Paulo C. C.; Camilo, Fernando; Kaspi, Victoria M.; Kaplan, David L.: Twenty-one millisecond pulsars in Terzan 5 using the Green Bank Telescope. p892 11 Feb 2005. Ranta, Esa and Kaitala, Veijo: A leap for lion populations (perspective). p365 21 Jan 2005. Rappas, Mathieu; Schumacher, Jorg; Beuron, Fabienne; Niwa, Hajime; Bordes, Patricia; Wigneshweraraj, Sivaramesh; Keetch, Catherine A.; Robinson, Carol V.; Buck, Martin; Zhang, Xiaodong: Structural insights into the activity of enhancer-binding proteins. p1972 25 Mar 2005. Rasmuss, W. See Krimigis, S. M. Ratniuks, Francis L. W. and Wenseleers, Tom: Policing insect societies (perspective). p54 7 Jan 2005. Rau, Alexander. See Dunningham, Jacob. Raubenheimer, B. C. See Aharonian, F. Raubenheimer, David. See Mayntz, David. Raue, M. See Aharonian, F. Raulin, F. See Flasar, F. M. Raux, J. See Aharonian, F. Ravetch, Jeffrey V. See McGaha, Tracy L. Ravussin, Eric: A NEAT way to control weight? (perspective). p530 28 Jan 2005. Raymer, Michael G. See Walmsley, Ian A. Rayner, S. M. See Aharonian, F. Read, P. L. See Flasar, F. M. Reberac, A. See Bertaux, Jean-Loup. Reddy, Christopher M. See Teuten, Emma L. Redford, Kent. See Balmford, Andrew. Redgrave, Peter. See Dommett, Eleanor. Redondo, I. See Aharonian, F. Reid, Mark J. See Brunthaler, Andreas. Reimer, A. See Aharonian, F. Reimer, O. See Aharonian, F. Reimer, Paula J. See Guilderson, Tom P. Reimert, Dorothy V. See Gu, Chenghua. Reinap, Barbara. See Coyne, Michael J. Reinecke, T. L. See Snow, E. S. Reinecker, Hans-Christian. See Niess, Jan Hendrik. Reing, Janet E. See Quintyne, Nicholas J. Reisenfeld, D. See Young, D. T. Reiss, Peter. See Richardson, Curtis J. Remediakis, I. N. See Honkala, K. Remsen, J. V. See Sheldon, Frederick H. Requejo, Felix G. See Ghosal, Sutapa. Reulke, Ralf. See Esposito, Larry W. Revankar, Chetana M.; Cimino, Daniel F.; Sklar, Larry A.; Arterburn, Jeffrey B.; Prossnitz, Eric R.: A transmembrane intracellular estrogen receptor mediates rapid cell signaling. p1625 11 Mar 2005. Rezaei, Khadijeh. See Wisløff, Ulrik. Rhode, Deborah L. See Muller, Carol B. Rhodes, Christopher J.: Type 2 diabetes—a matter of β -cell life and death? p380 21 Jan 2005. Rhodes, Jean H. See Muller, Carol B. Rica, S. See Mahadevan, L. Rich, Thomas H.; Hopson, James A.; Musser, Anne M.; Flannery, Timothy F.; Vickers-Rich, Patricia: Independent origins of middle ear bones in monotremes and therians. p910 11 Feb 2005. Richardson, Curtis J.; Reiss, Peter; Hussain, Najah A.; Alwash, Azzam J.; Pool, Douglas J.: The restoration potential of the Mesopotamian marshes of Iraq. p1307 25 Feb 2005. Rickaby, R. E. M. and Halloran, P.: Cool La Niña during the warmth of the Pliocene? p1948 25 Mar 2005. Ricketts, Taylor H. See Balmford, Andrew. Ridderinkhof, K. Richard and van den Wildenberg, Wery P. M.: Adaptive coding (perspective). p1059 18 Feb 2005. Ride, Sally M. See Muller, Carol B. Rieger, Reinhard M.; Ladurner, Peter; Hobmayer, Bert: A clue to the origin of the bilateria? (letter). p353 21 Jan 2005. Riek, Roland. See Roosild, Tarmo P. Riggs, Florenta R. See Loftus, Brendan J. Ripken, J. See Aharonian, F. Ritzwoller, Michael H. See Shapiro, Nikolai M. Roach, P. J. See Bergeron, D. E. Roatsch, T. See Porco, C. C. Rob, L. See Aharonian, F. Roberts, Eric. See Muller, Carol B. Roberts, Jeffrey W. See Altman, Sidney. Roberts, Leslie (news): Polio eradication effort adds new weapon to its armory. p190 14 Jan 2005. Roberts, Richard J. See Zinder, Norton. Robins, Judith. See Larson, Greger. Robinson, Carol V. See Rappas, Mathieu. Robinson, Courtland; Lee, Myung-Ken; Burnham, Gilbert: Scientific priorities in North Korea (letter). p206 14 Jan 2005. Robinson, Jeffrey M. See Seshadri, Rekha. Robinson, Mark. See Barrios-Rodiles, Miriam. Robinson, Sandra. See Muller, Carol B. Roche, Patricia A.: Protecting privacy of human subjects (letter). p1200 25 Feb 2005. Rockenstein, Edward. See Stokin, Gorazd B. Rocks, Oliver; Peyker, Anna; Kahms, Martin; Verveer, Peter J.; Koerner, Carolin; Lumbierres, Maria; Kuhlmann, Jürgen; Waldmann, Herbert; Wittinghofer, Alfred; Bastiaens, Philippe I. H.: An acylation cycle regulates localization and activity of palmitoylated Ras isoforms. p1746 18 Mar 2005. Rodrigues, Ricardo Leonardo Vianna. See Schaeffer, Roberto. Rodriguez, Jon Paul. See Balmford, Andrew. Roe, Kevin. See Kelley, Deborah S. Roelof, E. C. See Krimigis, S. M. Roelofs, Wendell L. See Nojima, Satoshi. Rogers, Sally J. See Gernsbacher, Morton A. Rolland, L. See Aharonian, F. Romani, P. N. See Flasar, F. M. Romero, Hugo E.; Bolton, Kim; Rosén, Arne; Eklund, Peter C.: Atom collision-induced resistivity of carbon nanotubes. p89 7 Jan 2005. Romo, Ranulfo. See Machens, Christian K. Romualdi, C. See Vezzi, A. Ron, David. See Boyce, Michael. Roncaglia, Paola. See Loftus, Brendan J. Ronning, F. See Shen, Kyle M. Roosild, Tarmo P.; Greenwald, Jason; Vega, Mark; Castronovo, Samantha; Riek, Roland; Choe, Senyon: NMR structure of Mystic, a membrane-integrating protein for membrane protein expression. p1317 25 Feb 2005. Rosén, Arne. See Romero, Hugo E. Rosenfeld, Nitzan; Young, Jonathan W.; Alon, Uri; Swain, Peter S.; Elowitz, Michael B.: Gene regulation at the single-cell level. p1962 25 Mar 2005. Rosser, Sue V. See Muller, Carol B. Ross-Inta, Catherine M. See Hao, Shuzhen. Roth, John R. See Altman, Sidney. Rothenberg, Ellen V.: Thymic regulation—hidden in plain sight (perspective). p858 11 Feb 2005. Rothman-Denes, Lucia B. See Altman, Sidney. Rougier, Guillermo W. See Asher, Robert J. Roux, A. See Gurnett, D. A. Rouxel, Olivier J.; Bekker, Andrey; Edwards, Katrina J.: Iron isotope constraints on the Archean and Paleoproterozoic ocean redox state. p1088 18 Feb 2005. Rovey, Charles W., II. See Balco, Greg. Rovin, Brad H. See Gonzalez, Enrique. Rowan, Linda (news): Cassini drops in. p1222 25 Feb 2005. Rowan, Linda; Clery, Daniel; Coontz, Robert (news): Everywhere you turn. p63 7 Jan 2005. Rowell, G. See Aharonian, F. Rowley, Don. See Loftus, Brendan J. Rowley-Conwy, Peter. See Larson, Greger. Roy, Hervé. See Sauerwald, Anselm. Roy, Mou. See Kempf, Sascha. Rucker, H. See Gurnett, D. A. Ruddle, Nancy H. See Heikenwalder, Mathias. Rudell, John B. See Hao, Shuzhen. Ruesink, Jennifer L. See Raffaelli, David.

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Saba, M.; Pasquini, T. A.; Sanner, C.; Shin, Y.; Ketterle, W.; Pritchard, D. E.: Light scattering to determine the relative phase of two Bose-Einstein condensates. p1945 25 Mar 2005.
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 Sahakian, V. *See* Aharonian, F.
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 Sakatani, Takashi; Kaneda, Atsushi; Iacobuzio-Donahue, Christine A.; Carter, Mark G.; de Boom Witzel, Sten; Okano, Hideyuki; Ko, Minoru S. H.; Ohlsson, Rolf; Longo, Dan L.; Feinberg, Andrew P.: Loss of imprinting of *Igf2* alters intestinal maturation and tumorigenesis in mice. p1976 25 Mar 2005.
 Sakurai, Takeshi. *See* Nakagawa, Takao.
 Sala, E. *See* Pandolfi, J. M.
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 Sarbassov, Dos D.; Guertin, David A.; Ali, Siraj M.; Sabatini, David M.: Phosphorylation and regulation of Akt/PKB by the rictor-mTOR complex. p1098 18 Feb 2005.
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Whitman, William B.; Yates, John R., 3rd; Ibbá, Michael; Söll, Dieter: RNA-dependent cysteine biosynthesis in archaea. p1969 25 Mar 2005.
 Saugé, L. *See* Aharonian, F.
 Saunders, William S. *See* Quintyne, Nicholas J.
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 Schulz, Heide N. and Schulz, Horst D.: Large sulfur bacteria and the formation of phosphorite. p416 21 Jan 2005.
 Schulz, Horst D. *See* Schulz, Heide N.
 Schumacher, Jorg. *See* Rappas, Mathieu.
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 Schwarcz, Joe: review of *On Food and Cooking*, by Harold McGee. p1048 18 Feb 2005.
 Schwartz, Michael W. and Porte, Daniel, Jr.: Diabetes, obesity, and the brain. p375 21 Jan 2005.
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 ScienceScope: Alaskan coral preserved. p1027 18 Feb 2005. Astronaut to keep NASA aloft. p1025 18 Feb 2005. Aux barricades? p27 7 Jan 2005. Battelle bows out of race to run Los Alamos lab. p1543 11 Mar 2005. Bioboard not on board. p1853 25 Mar 2005. Biosafety lab fallout in Boston. p827 11 Feb 2005. Boost for African science academies. p1025 18 Feb 2005. Brazil OKs stem cell work. p1545 11 Mar 2005. A budget bouillabaisse. p1181 25 Feb 2005. Call for global biodiversity agency. p657 4 Feb 2005. Consulting turmoil. p25 7 Jan 2005. EPA asks for advice on PFOA. p335 21 Jan 2005. EPA issues mercury rule. p1705 18 Mar 2005. EPA to consider human pesticide tests. p829 11 Feb 2005. Europe, U.S. differ on mercury. p655 4 Feb 2005. Fiscal woes dog gamma ray satellite. p1181 25 Feb 2005. Florida rejects chiropractic program. p655 4 Feb 2005. Forgiving science majors. p1707 18 Mar 2005. Harvard creates new task forces on women in science. p829 11 Feb 2005. Huge HIV vaccine gift from Gates. p1183 25 Feb 2005. India to outlaw animal drug. p1851 25 Mar 2005. Insider nominated to EPA. p1545 11 Mar 2005. Irish observatory to close. p497 28

Jan 2005. Is NASA ready for Readdy? p191 14 Jan 2005. Italian science agency gets revamp. p1543 11 Mar 2005. Italy pulls out of Global Fund. p655 4 Feb 2005. Keep your eye on your iPod. p1853 25 Mar 2005. Korea OK's work under new stem cell law. p333 21 Jan 2005. Mammalian RNAi library set up. p1705 18 Mar 2005. NASA's \$800 million gamble. p335 21 Jan 2005. Nascent reform bill criticized. p829 11 Feb 2005. New buoys may buoy research. p1391 4 Mar 2005. New chief for heart institute. p495 28 Jan 2005. New threat to station science. p1707 18 Mar 2005. New trade rules on sturgeon. p1545 11 Mar 2005. NIH bans industry consulting. p657 4 Feb 2005. NIH fellows avoid stock ban. p1853 25 Mar 2005. NIH revises public access policy. p333 21 Jan 2005. NIH wants more pioneering women. p193 14 Jan 2005. Novel AIDS vaccine trial. p495 28 Jan 2005. A numbers game at NSF. p1851 25 Mar 2005. Pasteur move not needed, mediator says. p1183 25 Feb 2005. Perchlorate study suggests lower risk. p191 14 Jan 2005. Rescue for Italian synchrotron. p497 28 Jan 2005. Research boost for Italy's south. p1389 4 Mar 2005. Space program shakeup. p27 7 Jan 2005. Sri Lankan disease emerges. p1389 4 Mar 2005. Stem cell center gets head. p1391 4 Mar 2005. Stem cells hit snag in Massachusetts. p1027 18 Feb 2005. Swansea U. goes deep into supercomputing. p193 14 Jan 2005. Trials by fire. p25 7 Jan 2005. Tsunami survivors sue. p1705 18 Mar 2005. Turning bombs into semiconductor. p827 11 Feb 2005. White House nominates new FDA chief. p1025 18 Feb 2005. Will stem cell research restrictions be lifted? p1183 25 Feb 2005.
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 Service, Robert F. (news): A dearth of new folds. p1555 11 Mar 2005. New generation of minute lasers steps into the light. p1551 11 Mar 2005. Protein chips map yeast kinase network. p1854 25 Mar 2005. Shape-shifting catalyst lights way to new strategy for detecting chemicals. p495 28 Jan 2005. Structural genomics, round 2. p1554 11 Mar 2005.
 Seshadri, Rekha; Adrian, Lorenz; Fouts, Derrick E.; Eisen, Jonathan A.; Phillippy, Adam M.; Methe, Barbara A.; Ward, Naomi L.; Nelson, William C.; Deboy, Robert T.; Khouri, Hoda M.; Kolonay, James F.; Dodson, Robert J.; Daugherty, Sean C.; Brinkac, Lauren M.; Sullivan, Steven A.; Madupu, Ramana; Nelson, Karen E.; Kang, Katherine H.; Impraim, Marjorie; Tran, Kevin; Robinson, Jeffrey M.; Forberger, Heather A.; Fraser, Claire M.; Zinder, Stephen H.; Heidelberg, John F.: Genome sequence of the PCE-dechlorinating bacterium *Dehalococcoides ethenogenes*. p105 7 Jan 2005.
 Sezen, Uzay U.; Chazdon, Robin L.; Holsinger, Kent E.: Genetic consequences of tropical second-growth forest regeneration. p891 11 Feb 2005.
 Shafer, Audrey. *See* Muller, Carol B.
 Shanahan, Betty. *See* Muller, Carol B.
 Shank, Timothy M. *See* Kelley, Deborah S.

- Shapiro, Lucy. *See* Altman, Sidney.
- Shapiro, Nikolai M.; Campillo, Michel; Stehly, Laurent; Ritzwoller, Michael H.: High-resolution surface-wave tomography from ambient seismic noise. p1615 11 Mar 2005.
- Sharma, Prashant: How to create a spin current (perspective). p531 28 Jan 2005.
- Sharp, James W. *See* Hao, Shuzhen.
- Sharp, Warren D. *See* Kirch, Patrick V.
- Sheldon, Frederick H.; Remsen, J. V.; Brumfield, Robb T.: Academy of Natural Sciences: job cuts (letter). p1560 11 Mar 2005.
- Shelton, G. Diane. *See* Lohi, Hannes.
- Shemansky, Donald E. *See* Esposito, Larry W.
- Shen, Jie and Dahmann, Christian: Extrusion of cells with inappropriate Dpp signaling from *Drosophila* wing disc epithelia. p1789 18 Mar 2005.
- Shen, Kyle M.; Ronning, F.; Lu, D. H.; Baumberger, F.; Ingle, N. J. C.; Lee, W. S.; Meevasana, W.; Kohsaka, Y.; Azuma, M.; Takano, M.; Takagi, H.; Shen, Z.-X.: Nodal quasiparticles and antinodal charge ordering in $\text{Ca}_{2-x}\text{Na}_x\text{CuO}_2\text{Cl}_2$. p901 11 Feb 2005.
- Shen, Ronglai. *See* Kwak, Su-Hwan.
- Shen, Z.-X. *See* Shen, Kyle M.
- Sheng, Morgan. *See* Hussain, Natasha K.
- Sheppard, Sheri. *See* Muller, Carol B.
- Sherratt, David. *See* Pease, Paul J.
- Shiga, Motoyuki. *See* Yamaguchi, Masataka.
- Shimoda, Hiroaki. *See* Chollet, Matthieu.
- Shimomura, Iichiro. *See* Fukuhara, Atsunori.
- Shin, Heesun. *See* Loftus, Brendan J.
- Shin, Y. *See* Saba, M.
- Shinjo, Fukiko. *See* Barrios-Rodiles, Miriam.
- Shizuri, Yoshikazu. *See* Matsuo, Yoshihide.
- Sholl, David S. *See* Kamakoti, Preeti.
- Showalter, M. R. *See* Flasar, F. M.
- Shubert, V. Alvin. *See* Clarkson, Jasper R.
- Shulman, Gerald I. *See* Lowell, Bradford B.
- Shumway, Martin. *See* Loftus, Brendan J.
- Shvartsbeyn, Alla. *See* Loftus, Brendan J.
- Siewert, M. *See* Aharonian, F.
- Sigman, Marian. *See* Gernsbacher, Morton A.
- Silhavy, Thomas J. *See* Altman, Sidney.
- Silk, Janet R. D. *See* Croxall, John P.
- Silva-Santos, Bruno; Pennington, Daniel J.; Hayday, Adrian C.: Lymphotoxin-mediated regulation of $\gamma\delta$ cell differentiation by $\alpha\beta$ T cell progenitors. p925 11 Feb 2005.
- Simonati, B. *See* Vezzi, A.
- Simmonds, R. W. *See* McDermott, R.
- Simmons, Nancy B.: An Eocene big bang for bats (perspective). p527 28 Jan 2005.
- Simon, Melvin I. *See* Altman, Sidney.
- Simon, P. C. *See* Bertaux, Jean-Loup.
- Simon-Miller, A. A. *See* Flasar, F. M.
- Simonato, F. *See* Vezzi, A.
- Simons, Barbara. *See* Muller, Carol B.
- Simons, Kai. *See* Meder, Doris.
- Simpson, Stephen; Ash, Caroline; Pennisi, Elizabeth; Travis, John (news): The gut: inside out. p1895 25 Mar 2005.
- Simpson, Stephen J. *See* Mayntz, David.
- Sinclair, Anthony R. E. *See* Packer, Craig.
- Sinden, Robert E. *See* Hall, Neil.
- Sittler, E. C. *See* Young, D. T.
- Skaggs, Hollie S. *See* Xing, Hongyan.
- Sklar, Larry A. *See* Revankar, Chetana M.
- Smith, David E. *See* Solomon, Sean C.
- Smith, David M.; Lopez, Liliana I.; Lin, R. P.; Barrington-Leigh, Christopher P.: Terrestrial gamma-ray flashes observed up to 20 MeV. p1085 18 Feb 2005.
- Smith, E. J. *See* Dougherty, M. K.
- Smith, H. T. *See* Young, D. T.
- Smith, Julie. *See* Bradley, John.
- Smith, Roger. *See* Ward, Peter D.
- Smith, Steven B. *See* Case, Ryan B.
- Snir, Yehuda and Kamien, Randall D.: Entropically driven helix formation. p1067 18 Feb 2005.
- Snow, E. S.; Perkins, F. K.; Houser, E. J.; Badescu, S. C.; Reinecke, T. L.: Chemical detection with a single-walled carbon nanotube capacitor. p1942 25 Mar 2005.
- Sol, H. *See* Aharonian, F.
- Solan, Martin. *See* Raffaelli, David.
- Söll, Dieter. *See* Sauerwald, Anselm.
- Solomon, Sean C.; Aharonson, Oded; Aurnou, Jonathan M.; Banerdt, W. Bruce; Carr, Michael H.; Dombard, Andrew J.; Frey, Herbert V.; Golombek, Matthew P.; Hauck, Steven A., II; Head, James W., III; Jakosky, Bruce M.; Johnson, Catherine L.; McGovern, Patrick J.; Neumann, Gregory A.; Phillips, Roger J.; Smith, David E.; Zuber, Maria T.: New perspectives on ancient Mars. p1214 25 Feb 2005.
- Somerville, Margaret A. and Atlas, Ronald M.: Ethics: a weapon to counter bioterrorism. p1881 25 Mar 2005.
- Sommer, Matthew H. *See* Muller, Carol B.
- Song, Zhimin. *See* de Heer, Walt A.
- Sonnenburg, Justin L. *See* Bäckhed, Fredrik.
- Sonnenburg, Justin L.; Xu, Jian; Leip, Douglas D.; Chen, Chien-Huan; Westover, Benjamin P.; Weatherford, Jeremy; Buhler, Jeremy D.; Gordon, Jeffrey I.: Glycan foraging in vivo by an intestine-adapted bacterial symbiont. p1955 25 Mar 2005.
- Sorg, Isabel. *See* Mota, Luis Jaime.
- Sorrentino, Brian. *See* McGaha, Tracy L.
- Soufflot, Alain. *See* Bibring, Jean-Pierre.
- Southwood, D. J. *See* Dougherty, M. K.
- Spaldin, N. A. *See* Wang, J.
- Specht, Charles A. *See* Loftus, Brendan J.
- Speight, Martin R. *See* Hambler, Clive.
- Spencer, Cherrill M. *See* Muller, Carol B.
- Spencer, J. R. *See* Flasar, F. M.
- Spencer, Kathryn S. R. *See* Moqrich, Aziz.
- The SPICAM team. *See* Bertaux, Jean-Loup.
- Spiliotis, Elias T.; Kinoshita, Makoto; Nelson, W. James: A mitotic septin scaffold required for mammalian chromosome congression and segregation. p1781 18 Mar 2005.
- Spilker, L. J. *See* Flasar, F. M.
- Spitale, J. *See* Porco, C. C.
- Springer, Mark S. *See* Teeling, Emma C.
- Squyres, S. *See* Porco, C. C.
- Srama, Ralf. *See* Kempf, Sascha.
- Srinivasan, Ramesh; Feenstra, Jonathan S.; Park, Sang Tae; Xu, Shoujun; Zewail, Ahmed H.: Dark structures in molecular radiationless transitions determined by ultrafast diffraction. p558 28 Jan 2005.
- Srivastava, Diane S. *See* Raffaelli, David.
- Stadermann, Frank. *See* Bradley, John.
- Stainier, Didier Y. R.: No organ left behind: tales of gut development and evolution. p1902 25 Mar 2005.
- Stairs, Ingrid H. *See* Ransom, Scott M.
- Stajic, Jelena. *See* Kinast, Joseph.
- Stansky, Peter. *See* Muller, Carol B.
- Staudigel, Hubert. *See* Koppers, Anthony A. P.
- Staveley-Smith, L. *See* Gaensler, B. M.
- Steenkamp, R. *See* Aharonian, F.
- Steffen, Matthias. *See* McDermott, R.
- Stegmann, C. *See* Aharonian, F.
- Stehly, Laurent. *See* Shapiro, Nikolai M.
- Steppan, Scott J.: review of *Assembling the Tree of Life*, by Joel Cracraft and Michael J. Donoghue, Eds. p677 4 Feb 2005.
- Stern, Bodo M. *See* Indjeian, Vahan B.
- Stern, David L. *See* Frankino, W. Anthony.
- Stern, S. A. *See* Bertaux, Jean-Loup.
- Steward, Ruth. *See* Yu, Bin.
- Stewart, A. Ian F. *See* Esposito, Larry W.
- Stokin, Gorazd B.; Lillo, Concepción; Falzone, Tomás L.; Bruschi, Richard G.; Rockenstein, Edward; Mount, Stephanie L.; Raman, Rema; Davies, Peter; Masliah, Eliezer; Williams, David S.; Goldstein, Lawrence S. B.: Axonopathy and transport deficits early in the pathogenesis of Alzheimer's disease. p1282 25 Feb 2005.
- Stokstad, Erik (news): Coral ages show Hawaiian temples sprang from political revolution. p25 7 Jan 2005. Debate continues over safety of water spiked with rocket fuel. p507 28 Jan 2005. Ginseng threatened by Bambi's appetite. p827 11 Feb 2005. Inspector general blasts EPA mercury analysis. p829 11 Feb 2005. New fossils show dinosaurs weren't the only raptors. p192 14 Jan 2005. *Tyrannosaurus rex* soft tissue raises tantalizing prospects. p1852 25 Mar 2005.
- Stokstad, Erik. *See* Avasthi, Amitabh.
- Stone, John O. H. *See* Balco, Greg.
- Stone, Richard (news): Kyrgyzstan's race to stabilize buried ponds of uranium waste. p198 14 Jan 2005. A race to beat the odds. p502 28 Jan 2005. Saudi millionaire plans an NSF for Arab scientists. p499 28 Jan 2005.
- Storch, David; Marquet, Pablo A.; Gaston, Kevin J.: Untangling an entangled bank (perspective). p684 4 Feb 2005.
- Story, Gina M. *See* Moqrich, Aziz.
- Strand, Warren G. *See* Meehl, Gerald A.
- Strang, Gilbert: review of *The SIAM 100-Digit Challenge*, by Folkmar Bornemann, Dirk Laurie, Stan Wagon, and Jörg Waldvogel. p521 28 Jan 2005.
- Stratmann, Frank. *See* Berndt, Torsten.
- Straus, Stephen. *See* Su, Helen.
- Strobel, D. F. *See* Flasar, F. M.
- Strober, Myra H. *See* Muller, Carol B.
- Struck, Douglas K. *See* Xu, Min.
- Stuve, Laura L. *See* Hinds, David A.
- Su, Helen; Bidère, Nicolas; Zheng, Lixin; Cubre, Alan; Sakai, Keiko; Dale, Janet; Salmena, Leonardo; Hakem, Razqallah; Straus, Stephen; Lenardo, Michael: Requirement for caspase-8 in NF- κ B activation by antigen receptor. p1465 4 Mar 2005.
- Sues, Hans: review of *Mammals from the Age of Dinosaurs*, by Zofia Kielan-Jaworowska, Richard L. Cifelli, and Zhe-Xi Luo. p1878 25 Mar 2005.
- Suh, Bernard B. *See* Loftus, Brendan J.
- Suh, Heikyung. *See* Opferman, Joseph T.
- Sullivan, Steven A. *See* Seshadri, Rekha.
- Summons, Roger E. *See* Grice, Kliti. *See also* Kelley, Deborah S.
- Sun, Catherine Qing. *See* He, Jun-Xian.
- Sun, Peng. *See* Liu, Xiaogang.
- Sun, Yu. *See* He, Jun-Xian.
- Sundaesan, G. *See* Michalet, X.
- Sutter, Nathan B. *See* Lohi, Hannes.
- Suzuki, Erika. *See* Yokoyama, Kazunari K.
- Suzuki, Harukazu. *See* Barrios-Rodiles, Miriam.
- Suzuki, Toshihiko. *See* Ogawa, Michinaga.
- Svenes, K. R. *See* Young, D. T.
- Swain, Peter S. *See* Rosenfeld, Nitzan.
- Swaminathan, M. S. *See* Sanchez, Pedro A.
- Swanson, Stephanie. *See* Xu, Min.
- Swoap, Steven. *See* Wisløff, Ulrik.
- Sylvia, Sean P. *See* Kelley, Deborah S.
- Szabo, Susanne J. *See* Hwang, Eun Sook.
- Szegö, K. *See* Young, D. T.
- Szuromi, Phil. *See* Coontz, Robert.

T, U, V, and W

- Takagi, H. *See* Shen, Kyle M.
- Takagi, Toshiyuki. *See* Fukuhara, Atsunori.
- Takahashi, Tomoyuki. *See* Yamashita, Takayuki.
- Takano, M. *See* Shen, Kyle M.
- Tamburini, Christian. *See* van der Wielen, Paul W. J. J.

- Tanaka, Masaki. *See* Fukuhara, Atsunori.
- Tang, Christoph M. *See* West, Nicholas P.
- Tanguy, Myriam. *See* West, Nicholas P.
- Tanskanen, P. *See* Young, D. T.
- Tapponnier, P. *See* Chevalier, M.-L.
- Tatar, Marc: Comment on "Long-lived *Drosophila* with overexpressed dFOXO in adult fat body" (technical comment). p675 4 Feb 2005. www.sciencemag.org/cgi/content/full/307/5710/675a.
- Tauxe, Lisa. *See* Kent, Dennis V.
- Tavernet, J.-P. *See* Aharonian, F.
- Taylor, F. W. *See* Flasar, F. M.
- Taylor, Ian W. *See* Barrios-Rodiles, Miriam.
- Taylor, Ruth and Forge, Andrew: Life after deaf for hair cells? (perspective). p1056 18 Feb 2005.
- Taylor, Susan S. *See* Kim, Choel.
- Tazaki, Ryoko. *See* Chollet, Matthieu.
- Teanby, N. A. *See* Flasar, F. M.
- Tedrake, Russ. *See* Collins, Steve.
- Teeling, Emma C.; Springer, Mark S.; Madsen, Ole; Bates, Paul; O'Brien, Stephen J.; Murphy, William J.: A molecular phylogeny for bats illuminates biogeography and the fossil record. p580 28 Jan 2005.
- ten Brink, Ben. *See* Balmford, Andrew.
- Teng, Haiyan. *See* Meehl, Gerald A.
- Tenney, Aaron. *See* Loftus, Brendan J.
- Terashima, Miho. *See* Yokoyama, Kazunari K.
- Terrier, R. *See* Aharonian, F.
- Terrier, Régis. *See* Grenier, Isabelle A.
- Testa, Giuseppe and Harris, John: The ethics of deriving gametes from ES cells (letter). p515 28 Jan 2005.
- Teuten, Emma L.; Xu, Li; Reddy, Christopher M.: Two abundant bioaccumulated halogenated compounds are natural products. p917 11 Feb 2005.
- Théoret, C. G. *See* Aharonian, F.
- Thomas, John E. *See* Kinast, Joseph.
- Thomas, P. *See* Porco, C. C.
- Thomas, P. C. *See* Porco, C. C.
- Thompson, Janelle R.; Pacocha, Sarah; Pharino, Chanathip; Klepac-Ceraj, Vanja; Hunt, Dana E.; Benoit, Jennifer; Sarma-Rupavtarm, Ramahi; Distel, Daniel L.; Polz, Martin F.: Genotypic diversity within a natural coastal bacterioplankton population. p1311 25 Feb 2005.
- Thomsen, M. F. *See* Young, D. T.
- Thomson, John. *See* van der Wielen, Paul W. J. J.
- Thornton, Amelia Tess. *See* Muller, Carol B.
- Timmerman, Philip. *See* Andries, Koen.
- Timmis, Kenneth N. *See* van der Wielen, Paul W. J. J.
- Tiscareno, M. *See* Porco, C. C.
- Tluczzykont, M. *See* Aharonian, F.
- Tobler, Philippe N.; Fiorillo, Christopher D.; Schultz, Wolfram: Adaptive coding of reward value by dopamine neurons. p1642 11 Mar 2005.
- Todo, Yuko; Kitazato, Hiroshi; Hashimoto, Jun; Gooday, Andrew J.: Simple foraminifera flourish at the ocean's deepest point. p689 4 Feb 2005.
- Toft, Soren. *See* Mayntz, David.
- Tokar, R. L. *See* Young, D. T.
- Tomita, Jun; Nakajima, Masato; Kondo, Takao; Iwasaki, Hideo: No transcription-translation feedback in circadian rhythm of KaiC phosphorylation. p251 14 Jan 2005.
- Tomlin, Claire J. *See* Amonlirdviman, Keith.
- Toporski, Jan K. *See* Schweitzer, Mary H.
- Touhara, Kazushige. *See* Nakagawa, Takao.
- Tran, Kevin. *See* Seshadri, Rekha.
- Travis, John. *See* Simpson, Stephen.
- Tree, David R. P. *See* Amonlirdviman, Keith.
- Trewavas, Anthony R. *See* Avery, Alex A.
- Trivedi, Bijal P. (news): What's in a species' name? More than \$450,000. p1399 4 Mar 2005.
- Trombetta, E. Sergio. *See* Delamarre, Lélia.
- Trono, Didier. *See* Turelli, Priscilla.
- Trueman, Holly E. *See* Hall, Neil.
- Truffot-Pernot, Chantal. *See* Andries, Koen.
- Tsai, Judy. *See* Fan, Melina.
- Tsay, J. M. *See* Michalet, X.
- Tschierske, Carsten. *See* Chen, Bin.
- Tsurutani, B. T. *See* Dougherty, M. K.
- Turelli, Priscilla and Trono, Didier: Editing at the crossroad of innate and adaptive immunity. p1061 18 Feb 2005.
- Turgeo, Steven C. *See* Grice, Kliti.
- Turlapov, Andrey. *See* Kinast, Joseph.
- Turnbull, Julie. *See* Lohi, Hannes.
- Turner, C. Michael R. *See* Hall, Neil.
- Turner, F. S. *See* Krimigis, S. M.
- Turtle, E. *See* Porco, C. C.
- Tuschl, Thomas. *See* Paludan, Casper.
- Tweddle, John C. *See* Moles, Angela T.
- Twitcheit, Richard J. *See* Grice, Kliti.
- Tycko, Robert. *See* Petkova, Aneta T.
- Ubachs, Wim. *See* Witte, Stefan.
- Uchida, Naoki. *See* Chollet, Matthieu.
- Udem, Thomas: Short and sharp—spectroscopy with frequency combs (perspective). p364 21 Jan 2005.
- Ueland, Jeffrey S. *See* Coleman, Felicia C.
- Ugai, Hideyo. *See* Yokoyama, Kazunari K.
- Ugarte, Daniel. *See* de Heer, Walt A.
- Ungar, Goran. *See* Chen, Bin.
- Utterback, Terry R. *See* Loftus, Brendan J.
- Valadkhan, Saba: Construction of a minimal, protein-free spliceosome (essays on science and society). p863 11 Feb 2005. 2004 Grand Prize winner. p864 11 Feb 2005.
- Valkunas, Leonas. *See* Holt, Nancy E.
- Valle, G. *See* Vezzi, A.
- Vamathevan, Jessica. *See* Loftus, Brendan J.
- van den Wildenberg, Wery P. M. *See* Ridderinkhof, K. Richard.
- van der Walt, D. J. *See* Aharonian, F.
- van der Wielen, Paul W. J. J.; Bolhuis, Henk; Borin, Sara; Daffonchio, Daniele; Corselli, Cesare; Giuliano, Laura; D'Auria, Giuseppe; de Lange, Gert J.; Huebner, Andreas; Varnavas, Sotirios P.; Thomson, John; Tamburini, Christian; Marty, Danielle; McGenity, Terry J.; Timmis, Kenneth N.; BioDeep Scientific Party: The enigma of prokaryotic life in deep hypersaline anoxic basins. p121 7 Jan 2005.
- Van Der Woerd, J. *See* Chevalier, M.-L.
- van Dijk, M. R. *See* Waters, A. P.
- Van Gestel, Jef. *See* Andries, Koen.
- van Jaarsveld, Albert S. *See* Balmford, Andrew.
- van Oudenaarden, Alexander. *See* Pedraza, Juan M.
- Vari, Richard P. *See* de Carvalho, Marcelo R.
- Varki, Ajit. *See* Lewis, Amanda L.
- Varki, Nissi M. *See* Lewis, Amanda L.
- Varnavas, Sotirios P. *See* van der Wielen, Paul W. J. J.
- Vasavada, A. R. *See* Porco, C. C.
- Vasconcelos, Heraldo L. *See* Fearnside, Philip M. *See also* Laurance, William F.
- Vasileiadis, C. *See* Aharonian, F.
- Vega, Mark. *See* Roosild, Tarmo P.
- Veis, Arthur: A window on biomineralization (perspective). p1419 4 Mar 2005.
- Veitch, Dallas P. *See* Ortiz-Urda, Susana.
- Veneti, Zoe; Bentley, Joanna K.; Koana, Takao; Braig, Henk R.; Hurst, Gregory D. D.: A functional dosage compensation complex required for male killing in *Drosophila*. p1461 4 Mar 2005.
- Venkataraman, C.; Habib, G.; Eiguren-Fernandez, A.; Miguel, A. H.; Friedlander, S. K.: Residential biofuels in south Asia: carbonaceous aerosol emissions and climate impacts. p1454 4 Mar 2005.
- Venter, C. *See* Aharonian, F.
- Verhassel, Peter. *See* Andries, Koen.
- Verlet, J. R. R.; Bragg, A. E.; Kammrath, A.; Cheshnovsky, O.; Neumark, D. M.: Observation of large water-cluster anions with surface-bound excess electrons. p93 7 Jan 2005.
- Verveer, Peter J. *See* Rocks, Oliver.
- Vervoort, Mike. *See* Lohi, Hannes.
- Veverka, J. *See* Porco, C. C.
- Vezzi, A.; Campanaro, S.; D'Angelo, M.; Simonato, F.; Vitulo, N.; Lauro, F. M.; Cestaro, A.; Malacrida, G.; Simionati, B.; Cannata, N.; Romualdi, C.; Bartlett, D. H.; Valle, G.: Life at depth: *Photobacterium profundum* genome sequence and expression analysis. p1459 4 Mar 2005.
- Vickers-Rich, Patricia. *See* Rich, Thomas H.
- Viehland, D. *See* Wang, J.
- Vieira, Ima. *See* Câmara, Gilberto.
- Villahermosa, Randy M. *See* Wenger, Oliver S.
- Villarreal, Guadalupe, Jr. *See* Colosimo, Pamela F.
- Villeneuve, David M.: Toward creating a Rutherford atom (perspective). p1730 18 Mar 2005.
- Vilppola, J. *See* Young, D. T.
- Vincent, P. *See* Aharonian, F.
- Visconti, Guido: A new climate research center in Italy (letter). p1563 11 Mar 2005.
- Visser, B. *See* Aharonian, F.
- Vitulo, N. *See* Vezzi, A.
- Vockerodt, Martina. *See* Paludan, Casper.
- Vogel, Gretchen (news): Board protest stops a shake-up of the Dahlem Conferences. p1029 18 Feb 2005. Proposed law targets animal-rights activists. p659 4 Feb 2005. Safety research falls foul of German politics. p1706 18 Mar 2005. U.N. settles on nonbinding resolution. p1702 18 Mar 2005. The unexpected brains behind blood vessel growth. p665 4 Feb 2005. Using scientific assessments to stave off epidemics. p345 21 Jan 2005. With a stumble, Microsoft launches European research project. p828 11 Feb 2005.
- Völk, H. J. *See* Aharonian, F.
- Vollrath, Melissa A. *See* Sage, Cyrille.
- von Heijne, Gunnar. *See* Hessa, Tara.
- Von Hippel, David F. and Hayes, Peter: North Korea and renewable energy (letter). p207 14 Jan 2005.
- Vyas, Jatin M. *See* Niess, Jan Hendrik.
- Waghmare, U. *See* Wang, J.
- Wagner, R. *See* Porco, C. C.
- Wagner, S. J. *See* Aharonian, F.
- Wahlund, J.-E. *See* Gurnett, D. A.
- Waite, J. H., Jr.; Cravens, T. E.; Ip, W.-H.; Kasprzak, W. T.; Luhmann, J. G.; McNutt, R. L.; Niemann, H. B.; Yelle, R. V.; Mueller-Wodarg, I.; Ledvina, S. A.; Scherer, S.: Oxygen ions observed near Saturn's A ring. p1260 25 Feb 2005.
- Waldmann, Herbert. *See* Rocks, Oliver.
- Walker, Graham. *See* Altman, Sidney.
- Walker, John R. *See* Panda, Satchidananda.
- Wallis, B. *See* Flasar, F. M.
- Walmsley, Ian A. and Raymer, Michael G.: Toward quantum-information processing with photons (perspective). p1733 18 Mar 2005.
- Walsh, Robert W.: How is the solar corona heated? (perspective). p51 7 Jan 2005.
- Walther, Bruno A. *See* Balmford, Andrew.
- Walton, Natalie. *See* Dommett, Eleanor.
- Wang, Hong-Rui. *See* Ozdamar, Barish.
- Wang, J.; Scholl, A.; Zheng, H.; Ogale, S. B.; Viehland, D.; Schlom, D. G.; Spaldin, N. A.; Rabe, K. M.; Wuttig, M.; Mohaddes, L.; Neaton, J.; Waghmare, U.; Zhao, T.; Ramesh, R.: Response to comment on "Epitaxial BiFeO₃ multiferroic thin film heterostructures" (technical comment). p1203 25 Feb 2005. www.sciencemag.org/cgi/content/full/307/5713/1203b.
- Wang, Ping-yuan; Weng, Jian; Anderson, Richard G. W.: OSBP is a cholesterol-regulated scaffolding protein in control of ERK1/2 activation. p1472 4 Mar 2005.
- Wang, Xiaowen. *See* Chen, Xin Jie.
- Wang, Zhi-Yong. *See* He, Jun-Xian.

- Ward, Naomi L. *See* Seshadri, Rekha.
- Ward, Peter D.; Botha, Jennifer; Buick, Roger; De Kock, Michiel O.; Erwin, Douglas H.; Garrison, Geoffrey H.; Kirschvink, Joseph L.; Smith, Roger: Abrupt and gradual extinction among Late Permian land vertebrates in the Karoo basin, South Africa. p709 4 Feb 2005.
- Wareham, Nicholas J. *See* O'Rahilly, Stephen.
- Warren, Graham. *See* Malsam, Jörg.
- Washington, Warren M. *See* Meehl, Gerald A.
- Watanabe, Eijiro. *See* Fukuhara, Atsunori.
- Waters, A. P.; Mota, M. M.; van Dijk, M. R.; Janse, C. J.: Malaria vaccines: back to the future? (perspective). p528 28 Jan 2005.
- Waters, Andrew P. *See* Hall, Neil.
- Watford, Bevlee A. *See* Muller, Carol B.
- Weatherford, Jeremy. *See* Sonnenburg, Justin L.
- Weaver, Richard L.: Information from seismic noise (perspective). p1568 11 Mar 2005.
- Webb, Campbell O. *See* Moles, Angela T.
- Webb, Frank H. *See* Kedar, Sharon.
- Weber, Peter. *See* Bradley, John.
- Webster, Francis X. *See* Nojima, Satoshi.
- Wecker, John: Costs of a rotavirus vaccine (letter). p517 28 Jan 2005.
- Weiss, S. *See* Michalet, X.
- Weissmann, Charles. *See* Heikenwalder, Mathias.
- Wek, Ronald C. *See* Hao, Shuzhen.
- Weng, Jian. *See* Wang, Ping-yuan.
- Wenger, Oliver S.; Leigh, Brian S.; Villahermosa, Randy M.; Gray, Harry B.; Winkler, Jay R.: Electron tunneling through organic molecules in frozen glasses. p99 7 Jan 2005.
- Wenseleers, Tom. *See* Ratiieks, Francis L. W.
- West, Nicholas P.; Sansonetti, Philippe; Mounier, Joëlle; Exley, Rachel M.; Parsot, Claude; Guadagnini, Stéphanie; Prévost, Marie-Christine; Prochnicka-Chalufour, Ada; Delepierre, Muriel; Tanguy, Myriam; Tang, Christoph M.: Optimization of virulence functions through glucosylation of *Shigella* LPS. p1313 25 Feb 2005.
- West, R. *See* Porco, C. C.
- West, Robert A. *See* Esposito, Larry W.
- Westoby, Mark. *See* Moles, Angela T.
- Westover, Benjamin P. *See* Sonnenburg, Justin L.
- Wettaack, Sheldon. *See* Muller, Carol B.
- White, Stephen H. *See* Hessa, Tara.
- White, Tim D. *See* Ohman, James C.
- Whitman, William B. *See* Sauerwald, Anselm.
- Whitney, Telle. *See* Muller, Carol B.
- Wible, John R. *See* Asher, Robert J.
- Wickelgren, Ingrid (news): As the worm ages: epilepsy drugs lengthen nematode life span. p193 14 Jan 2005.
- Wicks, Brian L. *See* Loftus, Brendan J.
- Wight, Gail. *See* Muller, Carol B.
- Wigley, T. M. L.: The climate change commitment. p1766 18 Mar 2005.
- Wigneshwararaj, Sivaramesh. *See* Rappas, Mathieu.
- Wigzell, Hans: A European CDC? (editorial). p1691 18 Mar 2005.
- Wilczek, Frank: review of *The Road to Reality*, by Roger Penrose. p852 11 Feb 2005.
- Wilkinson, Donald C. *See* Xing, Hongyan.
- Willerslev, Eske. *See* Larson, Greger.
- Williams, D. J. *See* Krimigis, S. M.
- Williams, David S. *See* Stokin, Gorazd B.
- Williams, Peter. *See* Andries, Koen.
- Wilmshurst, John. *See* Packer, Craig.
- Winkler, Hans. *See* Andries, Koen.
- Winkler, Jay R. *See* Wenger, Oliver S.
- Winslow, Monte M. and Crabtree, Gerald R.: Decoding calcium signaling (perspective). p56 7 Jan 2005.
- Winters, R. Scott: review of *William Hodges 1744–1797*, by Geoff Quilley and John Bonehill, Eds. p1565 11 Mar 2005. review of *William Hodges 1744–1797*, by Geoff Quilley, Curator. p1565 11 Mar 2005.
- Wishnow, E. H. *See* Flasar, F. M.
- Wisloff, Ulrik; Najjar, Sonia M.; Ellingsen, Øyvind; Haram, Per Magnus; Swoap, Steven; Al-Share, Qusai; Fernström, Mats; Rezaei, Khadijeh; Lee, Sang Jun; Koch, Lauren Gerard; Britton, Steven L.: Cardiovascular risk factors emerge after artificial selection for low aerobic capacity. p418 21 Jan 2005.
- Wisse, Martijn. *See* Collins, Steve.
- Witte, Owen N.; Kabarowski, Janusz H.; Xu, Yan; Le, Lu Q.; Zhu, Kui: Retraction (letter). p206 14 Jan 2005.
- Witte, Stefan; Zinkstok, Roel Th.; Ubachs, Wim; Hogervorst, Wim; Eikema, Kjeld S. E.: Deep-ultraviolet quantum interference metrology with ultrashort laser pulses. p400 21 Jan 2005.
- Wittinghofer, Alfred. *See* Rocks, Oliver.
- Wittmeyer, Jennifer L. *See* Schweitzer, Mary H.
- Woch, J. *See* Krimigis, S. M.
- Wolff, M. *See* Arvidson, R. E.
- Wolleben, M. *See* Gaensler, B. M.
- Woo, Tom K. *See* Mosey, Nicholas J.
- Woodward, John. *See* Cerdeño-Tarraga, Ana M.
- Wortman, Jennifer R. *See* Loftus, Brendan J.
- Wörz, Anke S. *See* Yoon, Bokwon.
- Wrana, Jeffrey L. *See* Barrios-Rodiles, Miriam. *See also* Ozdamar, Barish.
- Wu, A. M. *See* Michalet, X.
- Wulf, William A. *See* Muller, Carol B.
- Wuttig, M. *See* Wang, J.
- Wye, Natasja H. *See* Loftus, Brendan J.

X, Y, and Z

- Xian, Weiwei; Kang, Bin; Liu, Ruiyu: Jellyfish blooms in the Yangtze estuary (letter). p41 7 Jan 2005.
- Xie, Aihua. *See* Muller, Carol B.
- Xing, Hongyan; Wilkerson, Donald C.; Mayhew, Christopher N.; Lubert, Eric J.; Skaggs, Hollie S.; Goodson, Michael L.; Hong, Yiling; Park-Sarge, Ok-Kyong; Sarge, Kevin D.: Mechanism of *hsp70i* gene bookmarking. p421 21 Jan 2005.
- Xu, Jian. *See* Sonnenburg, Justin L.
- Xu, Li. *See* Teuten, Emma L.
- Xu, Min; Arulandu, Arockiasamy; Struck, Douglas K.; Swanson, Stephanie; Sacchetti, James C.; Young, Ry: Disulfide isomerization after membrane release of its SAR domain activates P1 lysozyme. p113 7 Jan 2005.
- Xu, Shoujun. *See* Srinivasan, Ramesh.
- Xu, Yan. *See* Witte, Owen N.
- Xuong, Nguyen-Huu. *See* Kim, Choel.
- Yach, Derek; Leeder, Stephen R.; Bell, John; Kistnasamy, Barry: Global chronic diseases (editorial). p317 21 Jan 2005.
- Yamaguchi, Masatake; Shiga, Motoyuki; Kaburaki, Hideo: Grain boundary decohesion by impurity segregation in a nickel-sulfur system. p393 21 Jan 2005.
- Yamanaka, Shinya. *See* Fukuhara, Atsunori.
- Yamasaki, Takahito. *See* Yokoyama, Kazunari K.
- Yamashita, Shizuya. *See* Fukuhara, Atsunori.
- Yamashita, Takayuki; Hige, Toshihide; Takahashi, Tomoyuki: Vesicle endocytosis requires dynamin-dependent GTP hydrolysis at a fast CNS synapse. p124 7 Jan 2005.
- Yamben, Idella. *See* Evason, Kimberley.
- Yamochi, Hideki. *See* Chollet, Matthieu.
- Yanagisako, Sylvia. *See* Muller, Carol B.
- Yanamandra-Fisher, P. A. *See* Orton, G. S.
- Yang, Maocheng. *See* Yu, Bin.
- Yang, Tinglu. *See* Griffiths, Joel S.
- Yang, Zhiyong. *See* Yu, Bin.
- Yanofsky, Charles. *See* Altman, Sidney.
- Yates, John R., 3rd. *See* Sauerwald, Anselm.
- Yates, John R., III. *See* Hall, Neil.
- Yau, Wai-Ming. *See* Petkova, Aneta T.
- Yelle, R. V. *See* Waite, J. H., Jr.
- Yelon, Deborah. *See* Keegan, Brian R.
- Yennello, Sherry. *See* Muller, Carol B.
- Yeo, Michele; Lee, Soo-Kyung; Lee, Bora; Ruiz, Esmeralda C.; Pfaff, Samuel L.; Gill, Gordon N.: Small CTD phosphatases function in silencing neuronal gene expression. p596 28 Jan 2005.
- Yoerger, Dana R. *See* Kelley, Deborah S.
- Yokoyama, Kazunari K.; Murata, Takehide; Ugai, Hideyo; Suzuki, Erika; Terashima, Miho; Kujime, Yukari; Inamoto, Sanae; Hirose, Megumi; Inabe, Kumiko; Yamasaki, Takahito: Recombinant Virus Bank for gene delivery (letter). p1722 18 Mar 2005.
- Yoon, Bokwon; Häkkinen, Hannu; Landman, Uzi; Wörz, Anke S.; Antonietti, Jean-Marie; Abbet, Stéphane; Judai, Ken; Heiz, Ueli: Charging effects on bonding and catalyzed oxidation of CO on Au₈ clusters on MgO. p403 21 Jan 2005.
- Yoshida, Yutaka. *See* Gu, Chenghua.
- Yoshimori, Tamotsu. *See* Ogawa, Michinaga.
- Young, D. T.; Berthelot, J.-J.; Blanc, M.; Burch, J. L.; Bolton, S.; Coates, A. J.; Crary, F. J.; Goldstein, R.; Grande, M.; Hill, T. W.; Johnson, R. E.; Baragiola, R. A.; Kelha, V.; McComas, D. J.; Mursula, K.; Sittler, E. C.; Svends, K. R.; Szegő, K.; Tanskanen, P.; Thomsen, M. F.; Bakshi, S.; Barraclough, B. L.; Bebesi, Z.; Delapp, D.; Dunlop, M. W.; Gosling, J. T.; Furman, J. D.; Gilbert, L. K.; Glenn, D.; Holmlund, C.; Illiano, J.-M.; Lewis, G. R.; Linder, D. R.; Maurice, S.; McAndrews, H. J.; Narheim, B. T.; Pallier, E.; Reisenfeld, D.; Rymer, A. M.; Smith, H. T.; Tokar, R. L.; Vilppola, J.; Zinsmeyer, C.: Composition and dynamics of plasma in Saturn's magnetosphere. p1262 25 Feb 2005.
- Young, Edwin J. *See* Lohi, Hannes.
- Young, Jonathan W. *See* Rosenfeld, Nitzan.
- Young, Ry. *See* Xu, Min.
- Yu, Bin; Yang, Zhiyong; Li, Junjie; Minakhina, Svetlana; Yang, Maocheng; Padgett, Richard W.; Steward, Ruth; Chen, Xuemei: Methylation as a crucial step in plant microRNA biogenesis. p932 11 Feb 2005.
- Yuan, Junying. *See* Boyce, Michael.
- Yuan, Zheng-long; Guan, Ying-jie; Chatterjee, Devasis; Chin, Y. Eugene: Stat3 dimerization regulated by reversible acetylation of a single lysine residue. p269 14 Jan 2005.
- Yule, D. *See* Lavé, J.
- Yung, Yuk L. *See* Esposito, Larry W.
- Yuspa, Stuart H. and Epstein, Ervin H., Jr.: An anchor for tumor cell invasion (perspective). p1727 18 Mar 2005.
- Zacharias, Mark A. *See* Gerber, Leah R.
- Zahn, Rainer. *See* Pahnke, Katharina.
- Zakian, Virginia A. *See* Muller, Carol B.
- Zarka, P. *See* Gurnett, D. A.
- Zeller, Nicolas. *See* Heikenwalder, Mathias.
- Zeng, Xiangbing. *See* Chen, Bin.
- Zewail, Ahmed H. *See* Srinivasan, Ramesh.
- Zhang, Duan-Sun. *See* Sage, Cyrille.
- Zhang, Xiaodong. *See* Rappas, Mathieu.
- Zhang, Yi. *See* Liu, Xiaogang.
- Zhang, Yue. *See* Ozdamar, Barish.
- Zhao, Jing; Goldman, Alan S.; Hartwig, John F.: Oxidative addition of ammonia to form a stable monomeric amido hydride complex. p1080 18 Feb 2005.
- Zhao, T. *See* Wang, J.
- Zhao, Xiao-Chu. *See* Lohi, Hannes.
- Zheng, H. *See* Wang, J.
- Zheng, Lixin. *See* Su, Helen.
- Zhu, Guoping; Golding, G. Brian; Dean, Antony M.: The selective cause of an ancient adaptation. p1279 25 Feb 2005.
- Zhu, Kui. *See* Witte, Owen N.

Zhu, Min. *See* Andries, Koen.
Zhu, Wenhong. *See* Sauerwald, Anselm.
Zigmantas, Donatas. *See* Holt, Nancy E.
Zimmermann, Claus. *See* Fortágh, József.
Zinder, Norton. *See* Altman, Sidney.

Zinder, Norton and Roberts, Richard J.: Preserving
an important collection (letter). p519 28 Jan
2005.
Zinder, Stephen H. *See* Seshadri, Rekha.
Zinkstok, Roel Th. *See* Witte, Stefan.

Zinsmeyer, C. *See* Young, D. T.
Zubairy, M. Suhail. *See* Aharanov, Yakir.
Zuber, Maria T. *See* Solomon, Sean C.
Zwaan, Bas J. *See* Frankino, W. Anthony.
Zwier, Timothy S. *See* Clarkson, Jasper R.