

Author Index Volume 302

October–December 2003

A and B

- AAAS News & Notes: AAAS members elected as Fellows. p803 31 Oct 2003. AAAS picked to help boost S&T Ph.D.s among minorities. p803 31 Oct 2003. AAAS to launch Center for Public Engagement. p2080 19 Dec 2003. AAAS wins NSF funding for meeting at UNESCO. p1518 28 Nov 2003. Deadline for resolutions to AAAS Council. p802 31 Oct 2003. Physicist Shirley Ann Jackson to become AAAS president. p2080 19 Dec 2003. Results of the 2003 election of AAAS officers. p2081 19 Dec 2003. Seminar on latest technology considers impact on health. p802 31 Oct 2003.
- Aagaard, Brad. *See* Anderson, Greg.
- Aanensen, N. *See* Giot, L.
- Abbott, Nicholas L. *See* Brake, Jeffrey M.
- Abers, Geoffrey A. *See* Ekström, Göran.
- Abrignani, Sergio. *See* Eickmann, Markus.
- Acharya, T. *See* Varmus, H.
- Ackerman, Thomas P. *See* Li, Zhanqing.
- Adams, Jerry M. *See* Villunger, Andreas.
- Adams, Mark D. *See* Clark, Andrew G.
- Adams, William M.; Brockington, Dan; Dyson, Jane; Vira, Bhaskar: Managing tragedies: understanding conflict over common pool resources. p1915 12 Dec 2003.
- Adler, C. *See* Singleton, A. B.
- Afzal, Veena. *See* Nobrega, Marcelo A.
- Agata, Yasutoshi. *See* Nambu, Yukiko.
- Agee, M. *See* Giot, L.
- Agostini, P. *See* Mairesse, Y.
- Agrain, Céline. *See* Journet, Laure.
- Aguzzi, Adriano and Haass, Christian: Games played by rogue proteins in prion disorders and Alzheimer's disease. p814 31 Oct 2003.
- Akimoto, Hajime: Global air quality and pollution. p1716 5 Dec 2003.
- Akiyama, Kenji. *See* Yamada, Kayoko.
- Alberts, Bruce: *Bio2010* misinterpreted? (letter). p1504 28 Nov 2003.
- Alberts, Susan C. *See* Silk, Joan B.
- Alder, Jackie. *See* Pauly, Daniel.
- Alexander, I. *See* Hacein-Bey-Abina, S.
- Alexander, Matthew. *See* Wilkinson, Mike J.
- Alexandrov, Kirill. *See* Rak, Alexey.
- Alexandrova, Evguenia. *See* Wang, Hong-Rui.
- Aliaga-Alcalde, N. *See* Hill, S.
- Allainguillaume, Joël. *See* Wilkinson, Mike J.
- Allen, Mark. *See* Eiler, John M. *See also* Eiler, John M.
- Allen, Paul M. *See* Lee, Kyeong-Hee.
- Alonso, José M. *See* Michael, Todd P.
- Altman, Jeanne. *See* Silk, Joan B.
- Altmeyer, A. *See* Jochim, S.
- Amasino, Richard M. *See* He, Yuehui.
- Anderson, Greg; Aagaard, Brad; Hudnut, Ken: Fault interactions and large complex earthquakes in the Los Angeles area. p1946 12 Dec 2003.
- Anderson, Harry L. *See* Bucknall, David G.
- Anderson, Rozalyn M.; Latorre-Esteves, Madga; Neves, Ana Rute; Lavu, Siva; Medvedik, Oliver; Taylor, Christopher; Howitz, Konrad T.; Santos, Helena; Sinclair, David A.: Yeast life-span extension by calorie restriction is independent of NAD fluctuation. p2124 19 Dec 2003.
- Anderson, Theodore L.; Charlson, Robert J.; Schwartz, Stephen E.; Knutti, Reto; Boucher, Olivier; Rodhe, Henning; Heintzenberg, Jost: The parasol effect on climate (letter). p1679 5 Dec 2003.
- Andreasen, Nancy C. *See* Kennedy, James L.
- Angell, C. Austen. *See* Xu, Wu.
- Anguita, J. V. *See* Villegas, J. E.
- Ansari, Yasser. *See* Yamada, Kayoko.
- Antonarakis, Stylianos E. *See* Dermitzakis, Emmanouil T.
- Aquila, Andy. *See* Gibson, Emily A.
- Arakawa, Takahiro. *See* Yamada, Kayoko.
- Arantes-Oliveira, Nuno; Berman, Jennifer R.; Kenyon, Cynthia: Healthy animals with extreme longevity. p611 24 Oct 2003.
- Arblaster, Julie M. *See* Karoly, David J.
- Archer, David: Who threw that snowball? (perspective). p791 31 Oct 2003.
- Armour, Christopher D. *See* Johnson, Jason M.
- Aronson, Richard B.; Bruno, John F.; Precht, William F.; Glynn, Peter W.; Harvell, C. Drew; Kaufman, Les; Rogers, Caroline S.; Shinn, Eugene A.; Valentine, John F.: Causes of coral reef degradation (letter). p1502 28 Nov 2003.
- Artsimovitch, Irina; Chu, Clement; Lynch, A. Simon; Landick, Robert: A new class of bacterial RNA polymerase inhibitor affects nucleotide addition. p650 24 Oct 2003.
- Asamitsu, Atsushi. *See* Fang, Zhong.
- Asbury, Charles L.; Fehr, Adrian N.; Block, Steven M.: Kinesin moves by an asymmetric hand-over-hand mechanism. p2130 19 Dec 2003.
- Ash, Caroline: review of *To See the Fellows Fight*, by John C. Thackray. p1336 21 Nov 2003.
- Ash, Caroline. *See* Sugden, Andrew.
- Ashida, Hiroki; Saito, Yohtarō; Kojima, Chojiro; Kobayashi, Kazuo; Ogasawara, Naotake; Yokota, Akiho: A functional link between RuBisCO-like protein of *Bacillus* and photosynthetic RuBisCO. p286 10 Oct 2003.
- Atkinson, Simon J. *See* Gu, Yi.
- Attwood, David T. *See* Gibson, Emily A.
- Aurias, A. *See* Hacein-Bey-Abina, S.
- Ausserlechner, Michael J. *See* Villunger, Andreas.
- Azad, Shahnaz C. *See* Marsicano, Giovanni.
- Azar, C. *See* Hasselmann, K.
- Babior, Bernard M. *See* Wentworth, Paul, Jr.
- Backus, Sterling. *See* Gibson, Emily A.
- Bader, J. S. *See* Giot, L.
- Baer, Richard. *See* Li, Muyang.
- Bagaley, Danielle R. *See* Navarro-González, Rafael.
- Baider, Claudia. *See* Peres, Carlos A.
- Bailey, Charles. *See* Fortunel, Nicolas O.
- Bainbridge, William Sims: Privacy and property on the net: research questions (essays on science and society). p1686 5 Dec 2003.
- Baird, A. H. *See* Hughes, T. P.
- Baker, David. *See* Kuhlman, Brian.
- Baker, Deanna L. *See* Changelian, Paul S.
- Balija, Vivekanand S. *See* Palmer, Lance E.
- Ball, Douglas J. *See* Changelian, Paul S.
- Ballachey, Brenda E. *See* Peterson, Charles H.
- Balogh, A. *See* Smith, E. J.
- Balter, Michael (news): Early date for the birth of Indo-European languages. p1490 28 Nov 2003.
- Bandfield, Joshua L. *See* Hoefen, Todd M.
- Banh, Jenny. *See* Yamada, Kayoko.
- Banica, Monica. *See* Pearce, Erika L.
- Banno, Fumika. *See* Yamada, Kayoko.
- Baptista, M. *See* Singleton, A. B.
- Barbazuk, W. B. *See* Whitelaw, C. A.
- Barinaga, Marcia (news): Studying the well-trained mind. p44 3 Oct 2003.
- Barnes, Jeffrey A. *See* Barnes, Jessica W.
- Barnes, Jessica W.; Tischkau, Shelley A.; Barnes, Jeffrey A.; Mitchell, Jennifer W.; Burgoon, Penny W.; Hickok, Jason R.; Gillette, Martha U.: Requirement of mammalian *Timeless* for circadian rhythmicity. p439 17 Oct 2003.
- Barone, Paul. *See* Zheng, Ming.
- Barresi, Rita. *See* Chen, Chien-Chang.
- Bartenstein, M. *See* Jochim, S.
- Barton, N. H. *See* Navarro, Arcadi.
- Basaran, Osman A. *See* Doshi, Pankaj.
- Bass, Brenda L. *See* Tonkin, Leath A.
- Bassi, Carl J.: A serendipitous purchase (letter). p565 24 Oct 2003.
- Bastow, Ruth and Dean, Caroline: Deciding when to flower (perspective). p1695 5 Dec 2003.
- Basu, Asish R.; Petaev, Michail I.; Poreda, Robert J.; Jacobsen, Stein B.; Becker, Luann: Chondritic meteorite fragments associated with the Permian-Triassic boundary in Antarctica. p1388 21 Nov 2003.
- Battista, John R.; Cox, Michael M.; Daly, Michael J.; Narumi, Issay; Radman, Miroslav; Sommer, Suzanne: The structure of *D. radiodurans* (letter). p567 24 Oct 2003.
- Baum, Christopher. *See* Williams, David A.
- Baumeister, Wolfgang. *See* Grünwald, Kay.
- Baurichter, A. *See* Hornekær, L.
- Beacham, Terry D.: Comment on "Rapid evolution of egg size in captive salmon" (II) (technical comment). p59 3 Oct 2003. www.sciencemag.org/cgi/content/full/302/5642/59d.
- Beachy, R. *See* Whitelaw, C. A.
- Beal, David N. *See* Liao, James C.
- Beals, Chan R. *See* Changelian, Paul S.
- Beanan, M. J. *See* Methé, B. A.
- Bearpark, T. *See* Seddon, N.
- Beaujean, Nathalie. *See* Zhou, Qi.
- Beck, Rainer D.; Maroni, Plinio; Papageorgopoulos, Dimitrios C.; Dang, Tung T.; Schmid, Mathieu; Rizzo, Thomas R.: Vibrational mode-specific reaction of methane on a nickel surface. p98 3 Oct 2003.
- Becker, Luann. *See* Basu, Asish R.
- Becker, Stephan. *See* Eickmann, Markus.
- Becker, Y. *See* Wechsler, A.
- Beckius, Gretchen E. *See* Changelian, Paul S.
- Bedell, J. *See* Whitelaw, C. A.
- Behner, Jacinta C. *See* Bergman, Thore J.

- Beheregaray, Luciano B.; Ciofi, Claudio; Geist, Dennis; Gibbs, James P.; Caccone, Adalgisa; Powell, Jeffrey R.: Genes record a prehistoric volcano eruption in the Galápagos. p75 3 Oct 2003.
- Behl, Christian. *See* Marsicano, Giovanni.
- Beitel, Greg J. *See* Paul, Sarah M.
- Bellwood, D. R. *See* Hughes, T. P.
- Belnap, David M. *See* Grünewald, Kay.
- Belvin, Marcia. *See* Gobert, Vanessa.
- Benfey, Philip N. *See* Birnbaum, Kenneth.
- Bengtson, Stefan. *See* Warén, Anders.
- Benner, Lance A. M. *See* Chesley, Steven R.
- Bennett, Elena. *See* Pauly, Daniel.
- Bennetzen, J. L. *See* Whitelaw, C. A.
- Berger, Eric M. *See* Burke, Martin D.
- Berger, Jürgen. *See* Söllner, Christian.
- Berggren, William A.: review of *The Silent Landscape*, by Richard Corfield. p989 7 Nov 2003.
- Bergman, Thore J.; Beehner, Jacinta C.; Cheney, Dorothy L.; Seyfarth, Robert M.: Hierarchical classification by rank and kinship in baboons. p1234 14 Nov 2003.
- Berkowitz, Brian. *See* Dror, Ishai.
- Berman, Jennifer R. *See* Arantes-Oliveira, Nuno.
- Berman, Rotem S. *See* Keren, Kinneret.
- Bernstein, Aaron S. *See* Chivian, Eric.
- Berry, Katherine L.; Bülow, Hannes E.; Hall, David H.; Hobert, Oliver: A *C. elegans* CLIC-like protein required for intracellular tube formation and maintenance. p2134 19 Dec 2003.
- Bhattacharjee, Yudhijit (news): Ex-NASA chief loses bid for college presidency. p966 7 Nov 2003. U.S. license needed to edit Iranian papers. p210 10 Oct 2003.
- Bickelhaupt, E. *See* Giot, L.
- Bingham, Roger. *See* Sejnowski, Terrence J.
- Bird, Adrian. *See* Klose, Robert.
- Birnbaum, Kenneth; Shasha, Dennis E.; Wang, Jean Y.; Jung, Jee W.; Lambert, Georgina M.; Galbraith, David W.; Benfey, Philip N.: A gene expression map of the *Arabidopsis* root. p1956 12 Dec 2003.
- Bisseling, Ton. *See* Limpens, Erik.
- Björkhem, I. *See* Wechsler, A.
- Björndal, Karen A. *See* Pandolfi, John M.
- Bjørnstad, Ottar N. *See* Hudson, Peter J.
- Black, Gregory J. *See* Campbell, Donald B.
- Blakeslee, Joshua J. *See* Multani, Dilbag S.
- Blancato, J. *See* Singleton, A. B.
- Block, Steven M. *See* Asbury, Charles L.
- Blondel, Marc. *See* Gstaiger, Matthias.
- Blumenkopf, Todd A. *See* Changelian, Paul S.
- Bocian, David F. *See* Liu, Zhiming.
- Böck, Günther. *See* Villunger, Andreas.
- Bockrath, Marc W. *See* Zhong, Zhaohui.
- Bodkin, James L. *See* Peterson, Charles H.
- Bohannon, John and Casassus, Barbara (news): One-two punch leaves physicists gasping for breath. p1484 28 Nov 2003.
- Bohaty, Steven. *See* Zachos, James C.
- Boillée, S. *See* Clement, A. M.
- Boisvert, William A. *See* Lee, Chih-Hao.
- Borie, Dominic C. *See* Changelian, Paul S.
- Borisy, Gary. *See* Ridley, Anne J.
- Bosch, Xavier (news): Employment law falls short, say young scientists. p967 7 Nov 2003. For Spain, oil spill disaster is in the bag. p1485 28 Nov 2003. Spain offers helping hand to hospital researchers. p369 17 Oct 2003.
- Boucher, Olivier. *See* Anderson, Theodore L.
- Boulétreau, Michel. *See* Varaldi, Julien.
- Bowser, Leah. *See* Yamada, Kayoko.
- Boyd, Ian L.: review of *Sperm Whales*, by Hal Whitehead. p990 7 Nov 2003.
- Bradbury, Roger H. *See* Pandolfi, John M.
- Bradley, Raymond S.; Hughes, Malcolm K.; Diaz, Henry F.: Climate in Medieval time (perspective). p404 17 Oct 2003.
- Brafman, A. *See* Wechsler, A.
- Braganza, Karl. *See* Karoly, David J.
- Brake, Jeffrey M.; Daschner, Maren K.; Luk, Yan-Yeung; Abbott, Nicholas L.: Biomolecular interactions at phospholipid-decorated surfaces of liquid crystals. p2094 19 Dec 2003.
- Bralower, Timothy J. *See* Zachos, James C.
- Brandner, Sebastian. *See* Mallucci, Giovanna.
- Branicky, Robyn. *See* Shibata, Yukimasa.
- Brasseur, Guy P. *See* Schultz, Martin G.
- Braun, Erez. *See* Keren, Kinneret.
- Braverman, M. *See* Giot, L.
- Breger, P. *See* Mairesse, Y.
- Brenner, Sydney: Humanity as the model system (editorial). p533 24 Oct 2003.
- Briggs, Derek E. G. *See* Siveter, David J.
- Briggs, Steven P. *See* Yamada, Dilbag S.
- Brill, Amanda. *See* Zachos, James C.
- Brinkac, L. M. *See* Methé, B. A.
- Brisette, William H. *See* Changelian, Paul S.
- Bristow, Robert. *See* Brown, Martin.
- Broccoli, Anthony J. *See* Karoly, David J.
- Brochard, Vincent. *See* Zhou, Qi.
- Brocher, Thomas M. *See* Preston, Leigh A.
- Brockington, Dan. *See* Adams, William M.
- Brondizio, Eduardo S.: Revisiting Amazonia circa 1492 (letter). p2067 19 Dec 2003.
- Brooks, Christopher L. *See* Li, Muyang.
- Brooks, Shelise. *See* Yamada, Kayoko.
- Brose, Nils. *See* Meyer, Guido.
- Brouwer, C. *See* Giot, L.
- Brown, Joshua W. *See* Ito, Shigehiko.
- Brown, Kathryn (news): No garden-variety biologist. p1499 28 Nov 2003.
- Brown, Martin; Bristow, Robert; Glazer, Peter; Hill, Richard; McBride, William; McKenna, Gillies; Muschel, Ruth: Comment on "Tumor response to radiotherapy regulated by endothelial cell apoptosis" (II) (technical comment). p1894 12 Dec 2003. www.sciencemag.org/cgi/content/full/302/5652/1894d.
- Brown, Matthew F. *See* Changelian, Paul S.
- Brown, R. H., Jr. *See* Clement, A. M.
- Broz, Petr. *See* Journet, Laure.
- Bruins, Hendrik J.; van der Plicht, Johannes; Mazar, Amihai: Response to comment on "14C dates from Tel Rehov: Iron-Age chronology, pharaohs, and Hebrew kings" (technical comment). p568 24 Oct 2003. www.sciencemag.org/cgi/content/full/302/5645/568c.
- Bruno, John F. *See* Aronson, Richard B.
- Brunsveld, Lucas. *See* Rak, Alexey.
- Buchstab, Evgeny. *See* Keren, Kinneret.
- Buckler, Ed S. *See* Jaenicke-Després, Viviane.
- Buckling, Angus; Wills, Matthew A.; Colegrave, Nick: Adaptation limits diversification of experimental bacterial populations. p2107 19 Dec 2003.
- Bucknall, David G. and Anderson, Harry L.: Polymers get organized (perspective). p1904 12 Dec 2003.
- Buddemeier, Robert W. and Ware, John R.: Coral reef decline in the Caribbean (letter). p391 17 Oct 2003.
- Budiman, M. A. *See* Whitelaw, C. A.
- Bülow, Hannes E. *See* Berry, Katherine L.
- Burack, W. Richard. *See* Lee, Kyeong-Hee.
- Burgess, S. *See* Giot, L.
- Burghammer, Manfred. *See* Söllner, Christian.
- Burgoon, Penny W. *See* Barnes, Jessica W.
- Burke, Martin D.; Berger, Eric M.; Schreiber, Stuart L.: Generating diverse skeletons of small molecules combinatorially. p613 24 Oct 2003.
- Burns, Peter C. *See* Kubatko, Karrie-Ann Hughes.
- Burridge, Keith. *See* Ridley, Anne J.
- Busch-Nentwich, Elisabeth. *See* Söllner, Christian.
- Butler, C. D. *See* McMichael, A. J.
- Butt, K. M. *See* Guan, Y.

C and D

- Caccone, Adalgisa. *See* Beheregaray, Luciano B.
- Cáceres, Luis. *See* Navarro-González, Rafael.
- Caldecott, Keith W.: The BRCT domain: signaling with friends? (perspective). p579 24 Oct 2003.
- Caldeira, Ken. *See* Ridgwell, Andy J.
- Calderwood, David A. *See* Tadokoro, Seiji.
- Campbell, Donald B.; Black, Gregory J.; Carter, Lynn M.; Ostro, Steven J.: Radar evidence for liquid surfaces on Titan. p431 17 Oct 2003.
- Campbell, Kevin P. *See* Chen, Chien-Chang.
- Campi, Gabriele. *See* Lee, Kyeong-Hee.
- Cancelas, Jose A. *See* Gu, Yi.
- Cancro, Michael P. *See* Walmsley, Marita J.
- Cannich, Astrid. *See* Marsicano, Giovanni.
- Capasso, Federico. *See* Colombelli, Raffaele.
- Čapek, David. *See* Chesley, Steven R.
- Cargill, Michele. *See* Clark, Andrew G.
- Carnerup, A. M. *See* García-Ruiz, J. M.
- Carninci, Piero. *See* Yamada, Kayoko.
- Carré, B. *See* Mairesse, Y.
- Carrolla, S. *See* Giot, L.
- Carruthers, Robert. *See* Svenningsson, Per.
- Carter, Lynn M. *See* Campbell, Donald B.
- Casanova, Emilio. *See* Marsicano, Giovanni.
- Casassa, Gino. *See* Rignot, Eric.
- Casassus, Barbara. *See* Bohannon, John.
- Casavant, Jeffrey M. *See* Changelian, Paul S.
- Cascio, Maria Grazia. *See* Marsicano, Giovanni.
- Castle, John. *See* Johnson, Jason M.
- Catchings, Rufus D. *See* Chavarria, J. Andres.
- Cavazzana-Calvo, M. *See* Hacein-Bey-Abina, S.
- Celaje, Jeff. *See* Ho, David G.
- Censini, Stefano. *See* Eickmann, Markus.
- Cereb, Nezhil. *See* Pearce, Erika L.
- Chakraborty, Arup K. *See* Lee, Kyeong-Hee.
- Chamberlin, Alan B. *See* Chesley, Steven R.
- Chamberlin, Mark A. *See* Multani, Dilbag S.
- Chan, A. P. *See* Whitelaw, C. A.
- Chan, K. W. *See* Guan, Y.
- Chan, Marie M. H. *See* Yamada, Kayoko.
- Chan, Shih-Peng; Kao, Der-I; Tsai, Wei-Yü; Cheng, Soo-Chen: The Prp19p-associated complex in spliceosome activation. p279 10 Oct 2003.
- Chandler, David W. *See* Elioff, Michael S.
- Chang, Charlie H. *See* Yamada, Kayoko.
- Chang, P. *See* Giannini, A.
- Chang, Qiang. *See* Chen, Wen G.
- Changelian, Paul S.; Flanagan, Mark E.; Ball, Douglas J.; Kent, Craig R.; Magnuson, Kelly S.; Martin, William H.; Rizzuti, Bonnie J.; Sawyer, Perry S.; Perry, Bret D.; Brissette, William H.; McCurdy, Sandra P.; Kudlacz, Elizabeth M.; Conklyn, Maryrose J.; Elliott, Eileen A.; Koslov, Erika R.; Fisher, Michael B.; Strelevitz, Timothy J.; Yoon, Kwansik; Whipple, David A.; Sun, Jianmin; Munchhof, Michael J.; Doty, John L.; Casavant, Jeffrey M.; Blumenkopf, Todd A.; Hines, Michael; Brown, Matthew F.; Lillie, Brett M.; Subramanyam, Chakrapani; Shang-Poa, Chang; Milici, Anthony J.; Beckius, Gretchen E.; Moyer, James D.; Su, Chunyan; Woodworth, Thasia G.; Gaweco, Anderson S.; Beals, Chan R.; Littman, Bruce H.; Fisher, Douglas A.; Smith, James F.; Zagouras, Panayiotis; Magna, Holly A.; Saltarelli, Mary J.; Johnson, Kimberly S.; Nelms, Linda F.; Des Etages, Shelley G.; Hayes, Lisa S.; Kawabata, Thomas T.; Finco-Kent, Deborah; Baker, Deanna L.; Larson, Michael; Si, Ming-Sing; Paniagua, Ricardo; Higgins, John; Holm, Bari; Reitz, Bruce; Zhou, Yong-Jie; Morris, Randall E.; O'Shea, John J.; Borie, Dominic C.: Prevention of organ allograft rejection by a specific Janus kinase 3 inhibitor. p875 31 Oct 2003.
- Chant, J. *See* Giot, L.
- Chao, Qimin. *See* Yamada, Kayoko.
- Charlson, Robert J. *See* Anderson, Theodore L.

- Chase, Mark W. *See* Savolainen, Vincent.
- Chase, Thomas. *See* Pielke, Roger A., Jr.
- Chaudhuri, A. *See* Giot, L.
- Chavarria, J. Andres; Malin, Peter; Catchings, Rufus D.; Shalev, Eylon: A look inside the San Andreas fault at Parkfield through vertical seismic profiling. p1746 5 Dec 2003.
- Chawla, Ajay. *See* Lee, Chih-Hao.
- Chen, Chien-Chang; Lamping, Kathryn G.; Nuno, Daniel W.; Barresi, Rita; Prouty, Sally J.; Lavoie, Julie L.; Cribbs, Leanne L.; England, Sarah K.; Sigmund, Curt D.; Weiss, Robert M.; Williamson, Roger A.; Hill, Joseph A.; Campbell, Kevin P.: Abnormal coronary function in mice deficient in α_{1H} T-type Ca^{2+} channels. p1416 21 Nov 2003.
- Chen, Delin. *See* Li, Muyang.
- Chen, Huaming. *See* Yamada, Kayoko.
- Chen, Jia-Yun. *See* Wang, Xiaochen.
- Chen, Jinhui. *See* Fortunel, Nicolas O.
- Chen, Junjie. *See* Yu, Xiaochun.
- Chen, Li M.; Friedman, Robert M.; Roe, Anna W.: Optical imaging of a tactile illusion in area 3b of the primary somatosensory cortex. p881 31 Oct 2003.
- Chen, Wen G.; Chang, Qiang; Lin, Yingxi; Meissner, Alexander; West, Anne E.; Griffith, Eric C.; Jaenisch, Rudolf; Greenberg, Michael E.: Derepression of BDNF transcription involves calcium-dependent phosphorylation of MeCP2. p885 31 Oct 2003.
- Cheney, Dorothy L. *See* Bergman, Thore J.
- Cheng, Li-Chun. *See* Wang, Xiaochen.
- Cheng, Soo-Chen. *See* Chan, Shih-Peng.
- Cherifi, Yacine. *See* Zhou, Qi.
- Chesley, Steven R.; Ostro, Steven J.; Vokrouhlický, David; Capek, David; Giorgini, Jon D.; Nolan, Michael C.; Margot, Jean-Luc; Hine, Alice A.; Benner, Lance A. M.; Chamberlin, Alan B.: Direct detection of the Yarkovsky effect by radar ranging to asteroid 6489 Golevka. p1739 5 Dec 2003.
- Cheuk, Rosa. *See* Yamada, Kayoko.
- Cheung, C. L. *See* Guan, Y.
- Cheung, F. *See* Whitelaw, C. A.
- Chevassut, Timothy. *See* Fortunel, Nicolas O.
- Chin, C. *See* Jochim, S.
- Chini, Claudia Christiano Silva. *See* Yu, Xiaochun.
- Chipman, Paul R. *See* Mukhopadhyay, Suchetana.
- Chivian, Eric; Roberts, Callum M.; Bernstein, Aaron S.: The threat to cone snails (letter). p391 17 Oct 2003.
- Cho, Adrian (news): Has Voyager gone beyond the fringe? p962 7 Nov 2003. To B or not to B? p1497 28 Nov 2003.
- Cho, Adrian. *See* Malakoff, David.
- Cho, Alfred Y. *See* Colombelli, Raffaele.
- Choi, Soonwook. *See* Kim, Daesoo.
- Chong, Khoon Tee. *See* Lee, Soo Jae.
- Chou, Bin-Kuan. *See* Wang, Xiaochen.
- Chou, S. Grace. *See* Zheng, Ming.
- Chow, Jeffrey; Kopp, Raymond J.; Portney, Paul R.: Energy resources and global development. p1528 28 Nov 2003.
- Choy, Nathan. *See* Yamada, Kayoko.
- Christensen, Philip R. *See* Hoefen, Todd M.
- Christensen, Villy. *See* Pauly, Daniel.
- Christou, G. *See* Hill, S.
- Christov, Ivan P. *See* Gibson, Emily A.
- Christy, A. G. *See* Garcia-Ruiz, J. M.
- Chu, Clement. *See* Artsimovitch, Irina.
- Chung, Ha-Yong. *See* Ho, David G.
- Chung, Sambath. *See* Jansen, Ronald.
- Cifelli, Richard L. and Davis, Brian M.: Marsupial origins (perspective). p1899 12 Dec 2003.
- Ciofi, Claudio. *See* Beheregaray, Luciano B.
- Civello, Daniel. *See* Clark, Andrew G.
- Clark, Andrew G.; Glanowski, Stephen; Nielsen, Rasmus; Thomas, Paul D.; Kejarawal, Anish; Todd, Melissa A.; Tanenbaum, David M.; Civello, Daniel; Lu, Fu; Murphy, Brian; Ferreria, Steve; Wang, Gary; Zheng, Xianqun; White, Thomas J.; Sninsky, John J.; Adams, Mark D.; Cargill, Michele: Inferring nonneutral evolution from human-chimp-mouse orthologous gene trios. p1960 12 Dec 2003.
- Clark, Nancy C. *See* Weigel, Linda M.
- Clark, Roger N. *See* Hoefen, Todd M.
- Claustre, Hervé and Maritorea, Stéphane: The many shades of ocean blue (perspective). p1514 28 Nov 2003.
- Clement, A. M.; Nguyen, M. D.; Roberts, E. A.; Garcia, M. L.; Boillée, S.; Rule, M.; McMahon, A. P.; Doucette, W.; Siwek, D.; Ferrante, R. J.; Brown, R. H., Jr.; Julien, J.-P.; Goldstein, L. S. B.; Cleveland, D. W.: Wild-type nonneuronal cells extend survival of SOD1 mutant motor neurons in ALS mice. p113 3 Oct 2003.
- Clerly, Daniel (news): E.U. puts France in play for fusion sweepstakes. p1640 5 Dec 2003. Europe embarks on leisurely lunar odyssey. p35 3 Oct 2003. Europe forced to turn blind eye to far-flung planets. p1130 14 Nov 2003.
- Cleveland, D. W. *See* Clement, A. M.
- Clewell, Don B. *See* Weigel, Linda M.
- Cline, Jean S.: How to concentrate copper (perspective). p2075 19 Dec 2003.
- Cline, Sarah A. *See* Rosegrant, Mark W.
- Cogdell, Richard J. *See* Roszak, Aleksander W.
- Cohen, Itai. *See* Doshi, Pankaj.
- Cohen, J. I. *See* Hacin-Bey-Abina, S.
- Cohen, Joel E.: Human population: the next half century. p1172 14 Nov 2003.
- Cohen, Jon (news): AIDS vaccine still alive as booster after second failure in Thailand. p1309 21 Nov 2003. Earmark draws criticism, creates confusion. p1639 5 Dec 2003. Mothers' malaria appears to enhance spread of AIDS virus. p1311 21 Nov 2003.
- Colavita, Antonio and Tessier-Lavigne, Marc: A neurexin-related protein, BAM-2, terminates axonal branches in *C. elegans*. p293 10 Oct 2003.
- Cole, Jon. *See* Raymond, Peter. *See also* Raymond, Peter.
- Colegrave, Nick. *See* Buckling, Angus.
- Collinge, John. *See* Mallucci, Giovanna.
- Collins, Francis S. and Watson, James D.: Genetic discrimination: time to act (editorial). p745 31 Oct 2003.
- Collis, A. *See* Giot, L.
- Colombelli, Raffaele; Srinivasan, Kartik; Troccoli, Mariano; Painter, Oskar; Gmahl, Claire F.; Tennant, Donald M.; Sergent, A. Michael; Sivco, Deborah L.; Cho, Alfred Y.; Capasso, Federico: Quantum cascade surface-emitting photonic crystal laser. p1374 21 Nov 2003.
- Conboy, Irina M.; Conboy, Michael J.; Smythe, Gayle M.; Rando, Thomas A.: Notch-mediated restoration of regenerative potential to aged muscle. p1575 28 Nov 2003.
- Conboy, Michael J. *See* Conboy, Irina M.
- Conery, John S. *See* Lynch, Michael.
- Conklyn, Maryrose J. *See* Changelian, Paul S.
- Connolly, S. R. *See* Hughes, T. P.
- Conrey, Brian: review of *Prime Obsession*, by John Derbyshire. p60 3 Oct 2003.
- Conway, Gordon and Rapson, Rip: Agricultural IP and the public sector (letter). p781 31 Oct 2003.
- Cooke, Richard G. *See* Pandolfi, John M.
- Cookson, M. R. *See* Singleton, A. B.
- Cooper, Alan. *See* Jaenicke-Després, Viviane.
- Cornelis, Guy R. *See* Journet, Laure.
- Cory, David G. *See* Emerson, Joseph.
- Cosca, Catherine E. *See* Takahashi, Taro.
- Côté, Isabelle M. *See* Gardner, Toby A.
- Coults, Leigh. *See* Villunger, Andreas.
- Courchamp, Franck; Woodroffe, Rosie; Roemer, Gary: Removing protected populations to save endangered species. p1532 28 Nov 2003.
- Couzin, Jennifer (news): Choices—and uncertainties—for women with *BRCA* mutations. p592 24 Oct 2003. Cow ambles to the sequencing house. p2050 19 Dec 2003. Defunded VA grants restored; Wray returns to Texas. p1872 12 Dec 2003. The great estrogen conundrum. p1136 14 Nov 2003. In a first, infected mice recover from prion disease. p763 31 Oct 2003. Is long life in the blood? p373 17 Oct 2003. NIH dives into drug discovery. p218 10 Oct 2003. The twists and turns in *BRCA*'s path. p591 24 Oct 2003. VA's controversial chief of research said to be leaving. p1306 21 Nov 2003.
- Cova, Sergio. *See* Yang, Haw.
- Covacci, Antonello. *See* Eickmann, Markus. *See also* Rappuoli, Rino.
- Coventry, Peter. *See* Peres, Carlos A.
- Cowin, Pamela. *See* He, Wanzhong.
- Cox, Michael M. *See* Battista, John R.
- Coyne, Jerry A. *See* Greenberg, Anthony J.
- Cozzi, Jean. *See* Zhou, Qi.
- Cramer, William A. *See* Kurisu, Genji.
- Crawford, Nigel M. *See* Guo, Fang-Qing.
- Crawley, A. *See* Singleton, A. B.
- Creager, Kenneth C. *See* Preston, Leiph A.
- Cribbs, Leanne L. *See* Chen, Chien-Chang.
- Crill, Patrick. *See* Saleska, Scott R.
- Crosson, Robert S. *See* Preston, Leiph A.
- Crow, James F.: review of *George Beadle*, by Paul Berg and Maxine Singer. p394 17 Oct 2003.
- Crutzen, Paul J. and Ramanathan, V.: The parasol effect on climate (letter). p1679 5 Dec 2003.
- Cui, Yi. *See* Zhong, Zhaohui.
- Cullimore, Julie and Dénarié, Jean: How legumes select their sweet talking symbionts (perspective). p575 24 Oct 2003.
- Curran, Mark A. J.; van Ommen, Tas D.; Morgan, Vin I.; Phillips, Katrina L.; Palmer, Anne S.: Ice core evidence for Antarctic sea ice decline since the 1950s. p1203 14 Nov 2003.
- Cziko, Anne-Marie. *See* Whitfield, Charles W.
- da Rocha, Humberto R. *See* Saleska, Scott R.
- Daar, A. S. *See* Varmus, H.
- Dagdigan, Joseph: Building a space weather aerie in Armenia (letter). p1893 12 Dec 2003.
- Dagg, Joachim L.: Forgery: prediction's vile twin (letter). p783 31 Oct 2003.
- Dahan, Maxime; Lévi, Sabine; Luccardini, Camilla; Rostaing, Philippe; Riveau, Béatrice; Triller, Antoine: Diffusion dynamics of glycine receptors revealed by single-quantum dot tracking. p442 17 Oct 2003.
- Dale, Elizabeth A. *See* Kodama, Shohta.
- Dale, Joseph M. *See* Yamada, Kayoko.
- Dalidovich, Denis. *See* Phillips, Philip.
- Daly, Michael J. *See* Battista, John R.
- Damari, G. *See* Wechsler, A.
- Dandonneau, Yves; Vega, Andres; Loisel, Hubert; du Penhoat, Yves; Menkes, Christophe: Oceanic Rossby waves acting as a "hay rake" for ecosystem floating by-products. p1548 28 Nov 2003.
- Dang, Tung T. *See* Beck, Rainer D.
- Dantas, Gautam. *See* Kuhlman, Brian.
- Darnell, Robert B. *See* Ule, Jernej.
- Darwin, K. Heran; Ehrt, Sabine; Gutierrez-Ramos, José-Carlos; Weich, Nadine; Nathan, Carl F.: The proteasome of *Mycobacterium tuberculosis* is required for resistance to nitric oxide. p1963 12 Dec 2003.
- Daschner, Maren K. *See* Brake, Jeffrey M.
- DaSilva, A. *See* Giot, L.
- Daube, Bruce C. *See* Saleska, Scott R.
- Daugherty, S. C. *See* Methé, B. A.
- Davidsen, T. M. *See* Methé, B. A.
- Davis, Brian M. *See* Cifelli, Richard L.
- Davis, Ronald L. *See* McGuire, Sean E.
- Davis, Ronald W. *See* Yamada, Kayoko.

- Dawson, Ted M. and Dawson, Valina L.: Molecular pathways of neurodegeneration in Parkinson's disease. p819 31 Oct 2003.
- Dawson, Valina L. *See* Dawson, Ted M.
- Dayton, Leigh (news): On the trail of the first dingo. p555 24 Oct 2003. Tracing the road Down Under. p555 24 Oct 2003.
- de Bohan, A. *See* Mairesse, Y.
- de Camargo, Plinio B. *See* Saleska, Scott R.
- De Castro Moreira, Ildeu: Developing world science strategies (letter). p1677 5 Dec 2003.
- de Freitas, Helber C. *See* Saleska, Scott R.
- de la Bastide, Melissa. *See* Palmer, Lance E.
- de la Rosa, José. *See* Navarro-González, Rafael.
- de Pereda, José M. *See* Tadokoro, Seiji.
- de Saint Basile, G. *See* Hacein-Bey-Abina, S.
- Dean, Caroline. *See* Bastow, Ruth.
- DeBoy, R. T. *See* Methé, B. A.
- DeKosky, Steven T. and Marek, Kenneth: Looking backward to move forward: early detection of neurodegenerative disorders. p830 31 Oct 2003.
- Delabesse, E. *See* Hacein-Bey-Abina, S.
- Delaney, Margaret L. *See* Zachos, James C.
- DeLaria, Giacomo A. *See* Wentworth, Paul, Jr.
- Dellavalle, Robert P.; Hester, Eric J.; Heilig, Lauren F.; Drake, Amanda L.; Kuntzman, Jeff W.; Graber, Marla; Schilling, Lisa M.: Going, going, gone: lost Internet references. p787 31 Oct 2003.
- Dénarié, Jean. *See* Cullimore, Julie.
- Deng, Justine M. *See* Yamada, Kayoko.
- Deng, Qiudong. *See* He, Shigang.
- Denschlag, J. Hecker. *See* Jochim, S.
- Deppe, M. *See* Yuan, H. Q.
- Dermitzakis, Emmanouil T.; Reymond, Alexandre; Scamuffa, Nathalie; Ucla, Catherine; Kirkness, Ewen; Rossier, Colette; Antonarakis, Stylianos E.: Evolutionary discrimination of mammalian conserved non-genic sequences (CNGs). p1033 7 Nov 2003.
- Des Etages, Shelley G. *See* Changelian, Paul S.
- Desai, Prashant. *See* Grünewald, Kay.
- DeVit, Michael J. *See* Willingham, Stephen.
- Di Marzo, Vincenzo. *See* Marsicano, Giovanni.
- Diaz, Henry F. *See* Bradley, Raymond S.
- DiCioccio, Catherine B. *See* Pearce, Erika L.
- Dickinson, Andrew. *See* Mallucci, Giovanna.
- Diehl, Thomas. *See* Schultz, Martin G.
- Dietz, Thomas; Ostrom, Elinor; Stern, Paul C.: The struggle to govern the commons. p1907 12 Dec 2003.
- Dike, Sujit. *See* Palmer, Lance E.
- Dilley, Ralph B. *See* Wentworth, Paul, Jr.
- Dimos, John T. *See* Ivanova, Natalia B.
- Diner, Bruce A. *See* Zheng, Ming.
- Dinner, Aaron R. *See* Lee, Kyeong-Hee.
- Dinu, L. C. *See* Mairesse, Y.
- Dixit, Vishva M. *See* Ruefli-Brasse, Astrid A.
- Dixon, Keith W. *See* Karoly, David J.
- Dodson, R. J. *See* Methé, B. A.
- Doebly, John. *See* Jaenicke-Després, Viviane.
- Doerr, Hans Wilhelm. *See* Eickmann, Markus.
- Domcke, Wolfgang and Sobolewski, Andrzej L.: Unraveling the molecular mechanisms of photoacidity (perspective). p1693 5 Dec 2003.
- Donati, Claudio. *See* Eickmann, Markus.
- Dong, Wei. *See* He, Shigang.
- Doshi, Pankaj; Cohen, Itai; Zhang, Wendy W.; Siegel, Michael; Howell, Peter; Basaran, Osman A.; Nagel, Sidney R.: Persistence of memory in drop breakup: the breakdown of universality. p1185 14 Nov 2003.
- Doty, John L. *See* Changelian, Paul S.
- Doucette, W. *See* Clement, A. M.
- Drake, Amanda L. *See* Dellavalle, Robert P.
- Dresselhaus, Mildred S. *See* Zheng, Ming.
- Dror, Ishai; Yaron, Bruno; Berkowitz, Brian: Response to comment on "Salt-pump mechanism for contaminant intrusion into coastal aquifers" (technical comment). p784 31 Oct 2003. www.sciencemag.org/cgi/content/full/302/5646/784c.
- du Penhoat, Yves. *See* Dandonneau, Yves.
- Dukes, Jeffrey S. *See* Hungate, Bruce A.
- Dunbar, Robin: Evolution of the social brain (perspective). p1160 14 Nov 2003.
- Durek, Thomas. *See* Rak, Alexey.
- Durkin, A. S. *See* Methé, B. A.
- Dustin, Michael L. *See* Lee, Kyeong-Hee.
- Dutra, A. *See* Singleton, A. B.
- Duyk, Geoffrey: Attrition and translation. p603 24 Oct 2003.
- Dwyer, Jason R. *See* Siwick, Bradley J.
- Dyson, Jane. *See* Adams, William M.

E and F

- Ecker, Joseph R. *See* Michael, Todd P. *See also* Yamada, Kayoko.
- Eden, Amir; Gaudet, François; Jaenisch, Rudolf: Response to comment on "Chromosomal instability and tumors promoted by DNA hypomethylation" and "Induction of tumors in mice by genomic hypomethylation" (technical comment). p1153 14 Nov 2003. www.sciencemag.org/cgi/content/full/302/5648/1153c.
- Edenhofer, O. *See* Hasselmann, K.
- Eder, Matthias. *See* Marsicano, Giovanni.
- Edgett, Kenneth S. *See* Malin, Michael C.
- Edwards, E. Stephen; Green, Nancy; Henry, Carol J.; Landrigan, Philip J.; Swartz, Daniel: Tracking children's health to age 21 (letter). p781 31 Oct 2003.
- Edwards, R. S. *See* Hill, S.
- Ehlers, Michael D.: Ubiquitin and the deconstruction of synapses (essays on science and society). p800 31 Oct 2003. 2003 Grand Prize winner. p801 31 Oct 2003.
- Ehrt, Sabine. *See* Darwin, K. Heran.
- Eickmann, Markus; Becker, Stephan; Klenk, Hans-Dieter; Doerr, Hans Wilhelm; Stadler, Konrad; Censini, Stefano; Guidotti, Silvia; Masignani, Vega; Scarselli, Maria; Mora, Marirosa; Donati, Claudio; Han, Jang H.; Song, Hyun Chul; Abriqani, Sergio; Covacci, Antonello; Rappuoli, Rino: Phylogeny of the SARS coronavirus (letter). p1504 28 Nov 2003.
- Eiler, John M.; Tromp, Tracey K.; Shia, Run-Lie; Allen, Mark; Yung, Y. L.: Assessing the future hydrogen economy (letter). p226 10 Oct 2003.
- Eiler, John M.; Tromp, Tracey K.; Shia, Run-Lie; Allen, Mark; Yung, Yuk L.: The Bush Administration and hydrogen (letter). p1331 21 Nov 2003.
- Einat, P. *See* Wechsler, A.
- Einhäupl, Karl: The future of German science funding (editorial). p1115 14 Nov 2003.
- Einum, Sigurd. *See* Fleming, Ian A.
- Eisen, J. A. *See* Methé, B. A.
- Eisenberger, Naomi I.; Lieberman, Matthew D.; Williams, Kipling D.: Does rejection hurt? An fMRI study of social exclusion. p290 10 Oct 2003.
- Ekström, Göran; Nettles, Meredith; Abers, Geoffrey A.: Glacial earthquakes. p622 24 Oct 2003.
- Elena, Santiago F. and Sanjuán, Rafael: Climb every mountain? (perspective). p2074 19 Dec 2003.
- Elioff, Michael S.; Valentini, James J.; Chandler, David W.: Subkelvin cooling NO molecules via "billiard-like" collisions with argon. p1940 12 Dec 2003.
- Elliott, Eileen A. *See* Changelian, Paul S.
- Elliott, Luisa J. *See* Wilkinson, Mike J.
- Emerson, Joseph; Weinstein, Yaakov S.; Saraceno, Marcos; Lloyd, Seth; Cory, David G.: Pseudorandom unitary operators for quantum information processing. p2098 19 Dec 2003.
- Emi, Aki. *See* Matsuo, Takuya.
- Emili, Andrew. *See* Jansen, Ronald.
- Eng, Peter J. *See* Mao, Wendy L.
- Engelke, David R. *See* Thompson, Martin.
- England, Sarah K. *See* Chen, Chien-Chang.
- Englander, Joseph. *See* Minsky, Abraham.
- Enju, Akiko. *See* Yamada, Kayoko.
- Enserink, Martin: SARS: a pandemic prevented. p2045 19 Dec 2003.
- Enserink, Martin (news): African study raises ethical issues. p2056 19 Dec 2003. Facing a security deadline, labs get a 'provisional' pass. p962 7 Nov 2003. New biodefense splurge creates hotbeds, shatters dreams. p206 10 Oct 2003. New vaccine and treatment excite Ebola researchers. p1141 14 Nov 2003. Panel seeks to balance science and security. p206 10 Oct 2003. SARS researchers report new animal models. p213 10 Oct 2003. Unexplained false alarm may hold lessons. p767 31 Oct 2003.
- Enserink, Martin. *See* Malakoff, David.
- Enserink, Martin and Malakoff, David (news): The trials of Thomas Butler. p2054 19 Dec 2003.
- Enserink, Martin and Normile, Dennis (news): Search for SARS origins stalls. p766 31 Oct 2003.
- Erwin, Douglas H.: review of *Life's Solution*, by Simon Conway Morris. p1682 5 Dec 2003.
- Eschenmoser, Albert. *See* Wentworth, Paul, Jr.
- Esler, Daniel. *See* Peterson, Charles H.
- Esson, Douglas. *See* Kanadia, Rahul N.
- Estecio, Marcos R. H. *See* Yang, Allen S.
- Etges, Robert: A fine, midsize city in former East Germany (letter). p1152 14 Nov 2003.
- Eto, Koji. *See* Tadokoro, Seiji.
- Evans, R. Dave. *See* Walvoord, Michelle A.
- Evans, Ronald M. *See* Lee, Chih-Hao.
- Evsikov, Alexei V. and Solter, Davor: Comment on "Stemness: transcriptional profiling of embryonic and adult stem cells" and "A stem cell molecular signature" (II) (technical comment). p393 17 Oct 2003. www.sciencemag.org/cgi/content/full/302/5644/393c.
- Eysel, Ulf T.: Illusions and perceived images in the primate brain (perspective). p789 31 Oct 2003.
- Fadok, Valerie A. *See* Wang, Xiaochen.
- Faerman, A. *See* Wechsler, A.
- Fahnestock, Mark: Glacial flow goes seismic (perspective). p578 24 Oct 2003.
- Fan, Chun. *See* Wang, Lejin.
- Fan, Guoping. *See* Martinowich, Keri.
- Fang, Zhong; Nagaosa, Naoto; Takahashi, Kei S.; Asamitsu, Atsushi; Mathieu, Roland; Ogasawara, Takeshi; Yamada, Hiroyuki; Kawasaki, Masashi; Tokura, Yoshinori; Terakura, Kiyoyuki: The anomalous Hall effect and magnetic monopoles in momentum space. p92 3 Oct 2003.
- Farrell, Alexander E. *See* Keith, David W.
- Farrer, Lindsay A. *See* Kennedy, James L.
- Farrer, M. *See* Singleton, A. B.
- Faustman, Denise L. *See* Kodama, Shohta.
- Fausto, Carlos. *See* Heckenberger, Michael J.
- Fedoroff, Nina V.: Prehistoric GM corn (perspective). p1158 14 Nov 2003.
- Feely, Richard A. *See* Takahashi, Taro.
- Fehr, Adrian N. *See* Asbury, Charles L.
- Feinstein, E. *See* Wechsler, A.
- Fekete, Donna M.: Rocks that roll zebrafish (perspective). p241 10 Oct 2003.
- Feldblyum, T. *See* Whitelaw, C. A.
- Feldblyum, T. V. *See* Methé, B. A.
- Feldman, Paul D. *See* Povich, Matthew S.
- Feldmeyer, Dirk. *See* Silver, R. Angus.
- Feng, Jonathan L.: Searching for gravity's hidden strength (perspective). p795 31 Oct 2003.
- Ferber, Dan (news): Triple-threat microbe gained powers from another bug. p1488 28 Nov 2003.
- Ferrandon, Dominique. *See* Gobert, Vanessa.
- Ferrante, R. J. *See* Clement, A. M.

G and H

- Ferreira, Steve. *See* Clark, Andrew G.
- Field, Christopher B. *See* Hungate, Bruce A.
- Field, D. *See* Hornekaer, L.
- Fienberg, Allen A. *See* Svenningsson, Per.
- Filippi, Marie-Dominique. *See* Gu, Yi.
- Finco-Kent, Deborah. *See* Changelian, Paul S.
- Finkelstein, Israel and Piasezky, Eli: Comment on “¹⁴C dates from Tel Rehov: Iron-Age chronology, pharaohs, and Hebrew kings” (technical comment). p568 24 Oct 2003. www.sciencemag.org/cgi/content/full/302/5645/568b.
- Finley, R. L., Jr. *See* Giot, L.
- Firtel, Richard A. *See* Ridley, Anne J.
- Fischer, A. *See* Hacein-Bey-Abina, S.
- Fisher, Douglas A. *See* Changelian, Paul S.
- Fisher, Michael B. *See* Changelian, Paul S.
- Fitch, J. Patrick; Raber, Ellen; Imbro, Dennis R.: Technology challenges in responding to biological or chemical attacks in the civilian sector. p1350 21 Nov 2003.
- Flanagan, Mark E. *See* Changelian, Paul S.
- Flannagan, Susan E. *See* Weigel, Linda M.
- Flavell, Richard A. *See* Li, Ming O.
- Fleming, Ian A.; Einum, Sigurd; Jonsson, Bror; Jonsson, Nina: Comment on “Rapid evolution of egg size in captive salmon” (I) (technical comment). p59 3 Oct 2003. www.sciencemag.org/cgi/content/full/302/5642/59b.
- Fleury, Frédéric. *See* Varaldi, Julien.
- Folke, C. *See* Hughes, T. P.
- Folke, Carl. *See* McMichael, A. J.
- Foote, Michael. *See* Miller, Arnold I.
- Forberger, H. A. *See* Methé, B. A.
- Forster, A. *See* Hacein-Bey-Abina, S.
- Fortunen, Nicolas O.; Otu, Hasan H.; Ng, Huck-Hui; Chen, Jinhui; Mu, Xiuyan; Chevassut, Timothy; Li, Xiaoyu; Joseph, Marie; Bailey, Charles; Hatzfeld, Jacques A.; Hatzfeld, Antoinette; Usta, Fatih; Vega, Vinsensius B.; Long, Philip M.; Libermann, Towia A.; Lim, Bing: Comment on “Stemness”: transcriptional profiling of embryonic and adult stem cells” and “A stem cell molecular signature” (I) (technical comment). p393 17 Oct 2003. www.sciencemag.org/cgi/content/full/302/5644/393b.
- Fouillet, Pierre. *See* Varaldi, Julien.
- Fouse, Shaun. *See* Martinowich, Keri.
- Fox, Charles W. *See* Heath, Daniel D.
- Fox, Charles W. and Heath, Daniel D.: Response to comment on “Rapid evolution of egg size in captive salmon” (I) (technical comment). p59 3 Oct 2003. www.sciencemag.org/cgi/content/full/302/5642/59c.
- Fraichard, Alexandre. *See* Zhou, Qi.
- Franchetto, Bruna. *See* Heckenberger, Michael J.
- Franciosi, Eduardo R. N. *See* Peres, Carlos A.
- Francke, Wittko. *See* Schiestl, Florian P.
- Franke, Stephan. *See* Schiestl, Florian P.
- Franken, Carolien. *See* Limpens, Erik.
- Fraser, C. M. *See* Methé, B. A. *See also* Whitelaw, C. A.
- Fraser, P. *See* Hacein-Bey-Abina, S.
- Fransinski, L. J. *See* Mairesse, Y.
- Frebourg, T. *See* Hacein-Bey-Abina, S.
- Freckleton, R. P.; Sutherland, W. J.; Watkinson, A. R.: Deciding the future of GM crops in Europe (perspective). p994 7 Nov 2003.
- Freckleton, Robert P. *See* Peres, Carlos A.
- Freeman, Ken C.: The hunt for dark matter in galaxies (perspective). p1902 12 Dec 2003.
- French, Dorothy M. *See* Rueffli-Brasse, Astrid A.
- Fricke, Henry. *See* Müller, Wolfgang.
- Fridman, E. *See* Wechsler, A.
- Friedman, Robert M. *See* Chen, Li M.
- Fujikawa, Shelly M. *See* Hanczyk, Martin M.
- Fujimura, Satoshi. *See* Kodama, Shohta.
- Fuks, Zvi. *See* Kolesnick, Richard.
- Furtak, K. *See* Giot, L.
- Galbraith, David W. *See* Birnbaum, Kenneth.
- Galve, Roger. *See* Wentworth, Paul, Jr.
- Gao, Jianmin. *See* Liu, Haibo.
- Gao, Ruomei. *See* Ho, David G.
- García, M. L. *See* Clement, A. M.
- García, R. *See* Villegas, J. E.
- García-Manero, Guillermo. *See* Yang, Allen S.
- García-Ruiz, J. M.; Hyde, S. T.; Carnerup, A. M.; Christy, A. G.; Van Kranendonk, M. J.; Welham, N. J.: Self-assembled silica-carbonate structures and detection of ancient microfossils. p1194 14 Nov 2003.
- Gardiner, Alastair T. *See* Roszak, Aleksander W.
- Gardner, Toby A.; Côté, Isabelle M.; Gill, Jennifer A.; Grant, Alastair; Watkinson, Andrew R.: Coral reef decline in the Caribbean (letter). p391 17 Oct 2003.
- Garman, David: The Bush Administration and hydrogen (letter). p1331 21 Nov 2003.
- Garrett-Engel, Philip. *See* Johnson, Jason M.
- Gati, Joseph S. *See* Whitney, David.
- Gaudet, François. *See* Eden, Amir.
- Gaudinski, Julia B. *See* Trumbore, Susan E.
- Gaudiosi, David. *See* Gibson, Emily A.
- Gaweco, Anderson S. *See* Changelian, Paul S.
- Gayden, Kelly: Swiss artist bridges worlds of science and everyday life (AAAS News & Notes). p1518 28 Nov 2003.
- Geibel, C. *See* Yuan, H. Q.
- Geiss, J. *See* Smith, E. J.
- Geist, Dennis. *See* Beheregaray, Luciano B.
- Gelfanova, Valentina. *See* Zhou, Yan.
- Gengyo-Ando, Keiko. *See* Wang, Xiaochen.
- Gentile, James M. *See* Wood, William B.
- Georges, A. *See* Limelette, P.
- Gerstein, Mark. *See* Jansen, Ronald.
- Geurts, René. *See* Limpens, Erik.
- Ghrayeb, John. *See* Grakoui, Arash.
- Giannini, A.; Saravanan, R.; Chang, P.: Oceanic forcing of Sahel rainfall on interannual to interdecadal time scales. p1027 7 Nov 2003.
- Gibbs, James P. *See* Beheregaray, Luciano B.
- Gibson, Emily A.; Paul, Ariel; Wagner, Nick; Tobey, Ra’anan; Gaudiosi, David; Backus, Sterling; Christov, Ivan P.; Aquila, Andy; Gullikson, Eric M.; Attwood, David T.; Murnane, Margaret M.; Kapteyn, Henry C.: Coherent soft x-ray generation in the water window with quasi-phase matching. p95 3 Oct 2003.
- Gilbert, M. Thomas P. *See* Jaenicke-Després, Viviane.
- Gilg, Olivier; Hanski, Ilkka; Sittler, Benoît: Cyclic dynamics in a simple vertebrate predator-prey community. p866 31 Oct 2003.
- Gill, Jennifer A. *See* Gardner, Toby A.
- Gill, Steven R. *See* Weigel, Linda M.
- Gillett, Nathan P. and Thompson, David W. J.: Simulation of recent Southern Hemisphere climate change. p273 10 Oct 2003.
- Gillette, Martha U. *See* Barnes, Jessica W.
- Ginsberg, Mark H. *See* Ridley, Anne J. *See also* Tadokoro, Seiji.
- Giorgini, Jon D. *See* Chesley, Steven R.
- Giot, L.; Bader, J. S.; Brouwer, C.; Chaudhuri, A.; Kuang, B.; Li, Y.; Hao, Y. L.; Ooi, C. E.; Godwin, B.; Vitols, E.; Vijayadmodar, G.; Pochart, P.; Machineni, H.; Welsh, M.; Kong, Y.; Zerhusen, B.; Malcolm, R.; Varrone, Z.; Collis, A.; Minto, M.; Burgess, S.; McDaniel, L.; Stimpson, E.; Spriggs, F.; Williams, J.; Neurath, K.; Ioime, N.; Agee, M.; Voss, E.; Furtak, K.; Renzulli, R.; Aanensen, N.; Carroll, S.; Bickelhaupt, E.; Lazovatsky, Y.; DaSilva, A.; Zhong, J.; Stanyon, C. A.; Finley, R. L., Jr.; White, K. P.; Braverman, M.; Jarvie, T. G.; Seld, S.; Leach, M.; Knight, J.; Shimkets, R. A.; McKenna, M. P.; Chant, J.; Rothberg, J. M.: A protein interaction map of *Drosophila melanogaster*. p1727 5 Dec 2003.
- Glanowski, Stephen. *See* Clark, Andrew G.
- Glazer, Peter. *See* Brown, Martin.
- Gleick, Peter H.: Global freshwater resources: soft-path solutions for the 21st century. p1524 28 Nov 2003.
- Gloeckler, G. *See* Smith, E. J.
- Glynn, Peter W. *See* Aronson, Richard B.
- Gmachl, Claire F. *See* Colombelli, Raffaele.
- Gobert, Vanessa; Gottar, Marie; Matskevich, Alexey A.; Rutschmann, Sophie; Royet, Julien; Belvin, Marcia; Hoffmann, Jules A.; Ferrandon, Dominique: Dual activation of the *Drosophila* Toll pathway by two pattern recognition receptors. p2126 19 Dec 2003.
- Godwin, B. *See* Giot, L.
- Goffredi, Shana K. *See* Warén, Anders.
- Gold, S. *See* Giot, L.
- Goldmark, Jesse P. *See* Nystul, Todd G.
- Goldsmith, Andrew D. *See* Yamada, Kayoko.
- Goldstein, Daniel. *See* Johnson, Eric J.
- Goldstein, L. S. B. *See* Clement, A. M.
- Goltz, Herbert C. *See* Whitney, David.
- Gomes-Silva, Daisy A. P. *See* Peres, Carlos A.
- Gomez-Silva, Benito. *See* Navarro-González, Rafael.
- Gonda, Hiroyuki. *See* Nambu, Yukiko.
- González, Cristina: review of *Putting Science in Its Place*, by David N. Livingstone. p1683 5 Dec 2003.
- Gonzalez, E. M. *See* Villegas, J. E.
- Gonzalez-DeWhitt, Patricia A. *See* Zhou, Yan.
- González-Meler, Miquel A. *See* Matamala, Roser.
- Good, Paul D. *See* Thompson, Martin.
- Goodale, Melvyn A. *See* Whitney, David.
- Goodenough, Sharon. *See* Marsicano, Giovanni.
- Goodwin, Elizabeth B. *See* Prahlad, Veena.
- Goody, Roger S. *See* Rak, Alexey.
- Gottar, Marie. *See* Gobert, Vanessa.
- Gottlieb, H. *See* Wechsler, A.
- Goulden, Michael L. *See* Saleska, Scott R.
- Gozlan-Kelner, S. *See* Wechsler, A.
- Grabner, Marla. *See* Dellavalle, Robert P.
- Grakoui, Arash; Shoukry, Naglaa H.; Woollard, David J.; Han, Jin-Hwan; Hanson, Holly L.; Ghrayeb, John; Murthy, Krishna K.; Rice, Charles M.; Walker, Christopher M.: HCV persistence and immune evasion in the absence of memory T cell help. p659 24 Oct 2003.
- Grant, Alastair. *See* Gardner, Toby A.
- Green, Nancy. *See* Edwards, E. Stephen.
- Greenbaum, Dov. *See* Jansen, Ronald.
- Greenberg, Anthony J.; Moran, Jennifer R.; Coyne, Jerry A.; Wu, Chung-I: Ecological adaptation during incipient speciation revealed by precise gene replacement. p1754 5 Dec 2003.
- Greenberg, Michael E. *See* Chen, Wen G.
- Greenblatt, Jack F. *See* Jansen, Ronald.
- Greengard, Paul. *See* Svenningsson, Per.
- Greer, Alexander: A view of unusual peroxides (perspective). p235 10 Oct 2003.
- Gregory, Chris. *See* Savill, John.
- Gribel, Rogério. *See* Peres, Carlos A.
- Griffin, Ashleigh S. and West, Stuart A.: Kin discrimination and the benefit of helping in cooperatively breeding vertebrates. p634 24 Oct 2003.
- Griffith, Eric C. *See* Chen, Wen G.
- Grimm, R. *See* Jochim, S.
- Grody, Norman C. *See* Vinnikov, Konstantin Y.
- Grosberg, R. *See* Hughes, T. P.
- Grosche, F. M. *See* Yuan, H. Q.
- Gross, Darrick A. *See* Pearce, Erika L.
- Gross, F. *See* Hacein-Bey-Abina, S.
- Grünewald, Kay; Desai, Prashant; Winkler, Dennis C.; Heymann, J. Bernard; Belnap, David M.; Baumeister, Wolfgang; Steven, Alasdair C.: Three-dimensional structure of herpes simplex vi-

- rus from cryo-electron tomography. p1396 21 Nov 2003.
- Grunthaner, Frank J. *See* Navarro-González, Rafael.
- Gstaiger, Matthias; Luke, Brian; Hess, Daniel; Oakeley, Edward J.; Wirbelauer, Christiane; Blondel, Marc; Vigneron, Marc; Peter, Matthias; Krek, Wilhelm: Control of nutrient-sensitive transcription programs by the unconventional prefoldin URI. p1208 14 Nov 2003.
- Gu, Wei. *See* Li, Muyang.
- Gu, Yi; Filippi, Marie-Dominique; Cancelas, Jose A.; Siefing, Jamie E.; Williams, Emily P.; Jasti, Aparna C.; Harris, Chad E.; Lee, Andrew W.; Prabhakar, Rethinasamy; Atkinson, Simon J.; Kwiatkowski, David J.; Williams, David A.: Hematopoietic cell regulation by Rac1 and Rac2 guanine triphosphatases. p445 17 Oct 2003.
- Guan, Y. J. *See* Guan, Y.
- Guan, Y.; Zheng, B. J.; He, Y. Q.; Liu, X. L.; Zhuang, Z. X.; Cheung, C. L.; Luo, S. W.; Li, P. H.; Zhang, L. J.; Guan, Y. J.; Butt, K. M.; Wong, K. L.; Chan, K. W.; Lim, W.; Shortridge, K. F.; Yuen, K. Y.; Peiris, J. S. M.; Poon, L. L. M.: Isolation and characterization of viruses related to the SARS coronavirus from animals in southern China. p276 10 Oct 2003.
- Guidotti, Silvia. *See* Eickmann, Markus.
- Gullikson, Eric M. *See* Gibson, Emily A.
- Guo, Fang-Qing; Okamoto, Mamoru; Crawford, Nigel M.: Identification of a plant nitric oxide synthase gene involved in hormonal signaling. p100 3 Oct 2003.
- Guo, Nimi. *See* Lyuksyutova, Anna I.
- Gurjal, Mani. *See* Yamada, Kayoko.
- Gutiérrez, Silvia Ortega. *See* Marsicano, Giovanni.
- Gutiérrez-Ramos, José-Carlos. *See* Darwin, K. Heran.
- Gwinn, M. *See* Methé, B. A.
- Gwinn-Hardy, K. *See* Singleton, A. B.
- Haass, Christian. *See* Aguzzi, Adriano.
- Hacein-Bey-Abina, S.; Von Kalle, C.; Schmidt, M.; McCormack, M. P.; Wulfraat, N.; Leboulch, P.; Lim, A.; Osborne, C. S.; Pawliuk, R.; Morillon, E.; Sorensen, R.; Forster, A.; Fraser, P.; Cohen, J. I.; de Saint Basile, G.; Alexander, I.; Wintergerst, U.; Frebourg, T.; Aurias, A.; Stoppa-Lyonnet, D.; Romana, S.; Radford-Weiss, I.; Gross, F.; Valensi, F.; Delabesse, E.; Macintyre, E.; Sigaux, F.; Soulier, J.; Leiva, L. E.; Wissler, M.; Prinz, C.; Rabbitts, T. H.; Le Deist, F.; Fischer, A.; Cavazzana-Calvo, M.: *LMO2*-associated clonal T cell proliferation in two patients after gene therapy for SCID-X1. p415 17 Oct 2003.
- Hackney, Jason A. *See* Ivanova, Natalia B.
- Haeusler, Rebecca A. *See* Thompson, Martin.
- Haft, D. H. *See* Methé, B. A.
- Hagen, Thilo; Taylor, Cormac T.; Lam, Francis; Moncada, Salvador: Redistribution of intracellular oxygen in hypoxia by nitric oxide: effect on HIF1 α . p1975 12 Dec 2003.
- Hague, S. *See* Singleton, A. B.
- Halas, N. J. *See* Prodan, E.
- Hale, John E. *See* Zhou, Yan.
- Hall, Alan. *See* Jaffe, Aron B.
- Hall, David H. *See* Berry, Katherine L.
- Halliday, Alex N. *See* Müller, Wolfgang.
- Han, Jang H. *See* Eickmann, Markus.
- Han, Jin-Hwan. *See* Grakoui, Arash.
- Han, Xingguo. *See* Wu, Jianguo.
- Hanczyc, Martin M.; Fujikawa, Shelly M.; Szostak, Jack W.: Experimental models of primitive cellular compartments: encapsulation, growth, and division. p618 24 Oct 2003.
- Hansen, Nancy F. *See* Yamada, Kayoko.
- Hanski, Ilkka. *See* Gilg, Olivier.
- Hanson, Brooks. *See* Sugden, Andrew.
- Hanson, Holly L. *See* Grakoui, Arash.
- Hanson, M. *See* Singleton, A. B.
- Hao, Y. L. *See* Giot, L.
- Hardy, J. *See* Singleton, A. B.
- Harris, Anthony C.; Kamenetsky, Vadim S.; White, Noel C.; van Achterbergh, Esmé; Ryan, Chris G.: Melt inclusions in veins: linking magmas and porphyry Cu deposits. p2109 19 Dec 2003.
- Harris, Chad E. *See* Gu, Yi.
- Hartsough, Peter C. *See* Walvoord, Michelle A.
- Harvell, C. Drew. *See* Aronson, Richard B.
- Haslett, Chris. *See* Savill, John.
- Hasselmann, K.; Latif, M.; Hooss, G.; Azar, C.; Edenhofer, O.; Jaeger, C. C.; Johannessen, O. M.; Kemfer, C.; Welp, M.; Wokaun, A.: The challenge of long-term climate change. p1923 12 Dec 2003.
- Hatton, Benjamin D. *See* Landskron, Kai.
- Hatton, Robin D. and Weaver, Casey T.: T-bet or not T-bet (perspective). p993 7 Nov 2003.
- Hattori, Daisuke. *See* Martinowich, Keri.
- Hatzfeld, Antoinette. *See* Fortunel, Nicolas O.
- Hatzfeld, Jacques A. *See* Fortunel, Nicolas O.
- Hauswirth, William W. *See* Kanadia, Rahul N.
- Hayashizaki, Yoshihide. *See* Yamada, Kayoko.
- Hayes, Lisa S. *See* Changelian, Paul S.
- He, Fei. *See* Martinowich, Keri.
- He, Miao. *See* Yu, Xiaochun.
- He, Shigang; Dong, Wei; Deng, Quidong; Weng, Shijun; Sun, Wenzhi: Seeing more clearly: recent advances in understanding retinal circuitry. p408 17 Oct 2003.
- He, Wanzhong; Cowin, Pamela; Stokes, David L.: Untangling desmosomal knots with electron tomography. p109 3 Oct 2003.
- He, Y. Q. *See* Guan, Y.
- He, Yuehui; Michaels, Scott D.; Amasino, Richard M.: Regulation of flowering time by histone acetylation in *Arabidopsis*. p1751 5 Dec 2003.
- Heath, Daniel D. *See* Fox, Charles W.
- Heath, Daniel D.; Moya-Laraño, Jordi; Fox, Charles W.: Response to comment on "Rapid evolution of egg size in captive salmon" (II) (technical comment). p59 3 Oct 2003. www.sciencemag.org/cgi/content/full/302/5642/59e.
- Heckenberger, Michael J.; Fausto, Carlos; Franchetto, Bruna: Revisiting Amazonia circa 1492 (letter). p2067 19 Dec 2003.
- Hedrick, Philip W.: A heterozygote advantage (letter). p57 3 Oct 2003.
- Heidelberg, J. F. *See* Methé, B. A.
- Heilig, Lauren F. *See* Dellavalle, Robert P.
- Heinig, Stephen. *See* Korn, David.
- Heinrich, Bernd: review of *Bumblebees*, by Dave Goulson. p395 17 Oct 2003.
- Heintzenberg, Jost. *See* Anderson, Theodore L.
- Heinz, Dion L. *See* Mao, Wendy L.
- Hekimi, Siegfried. *See* Shibata, Yukimasa.
- Helean, Katheryn B. *See* Kubatko, Karrie-Ann Hughes.
- Helmuth, Laura (news): Birds can put two and two together. p1323 21 Nov 2003. Brain model puts most sophisticated regions front and center. p1133 14 Nov 2003. Caudate-over-heels in love. p1320 21 Nov 2003. In sickness or in health? p808 31 Oct 2003.
- Helmuth, Laura. *See* Stern, Peter.
- Hemley, Russell J. *See* Mao, Wendy L.
- Hendl, G. *See* Jochim, S.
- Henry, Carol J. *See* Edwards, E. Stephen.
- Henson, Peter. *See* Wang, Xiaochen.
- Heritage, John: Will GM rapeseed cut the mustard? (perspective). p401 17 Oct 2003.
- Hermann, Heike. *See* Marsicano, Giovanni.
- Herschman, Harvey R.: Molecular imaging: looking at problems, seeing solutions. p605 24 Oct 2003.
- Hess, Daniel. *See* Gstaiger, Matthias.
- Hester, Eric J. *See* Dellavalle, Robert P.
- Heverin, M. *See* Wechsler, A.
- Heymann, J. Bernard. *See* Grünwald, Kay.
- Heymansfield, Andrew J. *See* Webster, Christopher R.
- Hickok, Jason R. *See* Barnes, Jessica W.
- Higgins, John. *See* Changelian, Paul S.
- Hilgenkamp, Hans; Moshchalkov, Victor V.; Kes, Peter: Flux quanta on the move (perspective). p1159 14 Nov 2003.
- Hill, Joseph A. *See* Chen, Chien-Chang.
- Hill, Richard. *See* Brown, Martin.
- Hill, S.; Edwards, R. S.; Aliaga-Alcalde, N.; Christou, G.: Quantum coherence in an exchange-coupled dimer of single-molecule magnets. p1015 7 Nov 2003.
- Hine, Alice A. *See* Chesley, Steven R.
- Hines, Michael. *See* Changelian, Paul S.
- Ho, David G.; Gao, Ruomei; Celaje, Jeff; Chung, Ha-Yong; Selke, Matthias: Phosphadioxirane: a peroxide from an ortho-substituted arylphosphine and singlet dioxygen. p259 10 Oct 2003.
- Ho, W. *See* Nazin, G. V.
- Hobert, Oliver. *See* Berry, Katherine L.
- Hoefen, Todd M.; Clark, Roger N.; Bandfield, Joshua L.; Smith, Michael D.; Pearl, John C.; Christensen, Philip R.: Discovery of olivine in the Nili Fossae region of Mars. p627 24 Oct 2003.
- Hoegh-Guldberg, O. *See* Hughes, T. P.
- Hoffmann, Jules A. *See* Gobert, Vanessa.
- Holden, Constance (news): Future brightening for depression treatments. p810 31 Oct 2003. Isotopic data pinpoint Iceman's origins. p759 31 Oct 2003. Race and medicine. p594 24 Oct 2003. Texas resolves war over biology texts. p1130 14 Nov 2003. 'Tragedy of the Commons' author dies. p32 3 Oct 2003.
- Hollen, Becky J. *See* Navarro-González, Rafael.
- Holm, Bari. *See* Changelian, Paul S.
- Honig, J. M. *See* Limelette, P.
- Hooss, G. *See* Hasselmann, K.
- Hörber, J. K. H. and Miles, M. J.: Scanning probe evolution in biology. p1002 7 Nov 2003.
- Horne-Badovinac, Sally; Rebagliati, Michael; Stainer, Didier Y. R.: A cellular framework for gut-looping morphogenesis in zebrafish. p662 24 Oct 2003.
- Hornekær, L.; Baurichter, A.; Petrunin, V. V.; Field, D.; Luntz, A. C.: Importance of surface morphology in interstellar H₂ formation. p1943 12 Dec 2003.
- Horwitz, Alan Rick. *See* Ridley, Anne J.
- Houck, Oliver: Tales from a troubled marriage: science and law in environmental policy. p1926 12 Dec 2003.
- Howard, Tina D. *See* Roszak, Aleksander W.
- Howell, Peter. *See* Doshi, Pankaj.
- Howitz, Konrad T. *See* Anderson, Rozalyn M.
- Hsu, Pei-Ken. *See* Wang, Xiaochen.
- Hsuan, Vickie W. *See* Yamada, Kayoko.
- Hu, Yan. *See* Martinowich, Keri.
- Huang, Jianghui. *See* Wu, Jianguo.
- Hudnut, Ken. *See* Anderson, Greg.
- Hudson, Peter J. and Bjornstad, Ottar N.: Vole stranglers and lemming cycles (perspective). p797 31 Oct 2003.
- Huete-Pérez, Jorge A.: Agricultural IP and the public sector (letter). p781 31 Oct 2003.
- Hughes, Malcolm K. *See* Bradley, Raymond S.
- Hughes, T. P.; Baird, A. H.; Bellwood, D. R.; Connolly, S. R.; Folke, C.; Grosberg, R.; Hoegh-Guldberg, O.; Jackson, J. B. C.; Kleypas, J.; Lough, J. M.; Marshall, P.; Nyström, M.; Palumbi, S. R.; Pandolfi, J. M.; Rosen, B.; Roughgarden, J.: Causes of coral reef degradation (letter). p1502 28 Nov 2003.
- Hughes, Terence P. *See* Pandolfi, John M.
- Hulihan, M. *See* Singleton, A. B.
- Hungate, Bruce A.; Dukes, Jeffrey S.; Shaw, M. Rebecca; Luo, Yiqi; Field, Christopher B.: Nitrogen and climate change (perspective). p1512 28 Nov 2003.
- Hunter, Christopher A. *See* Pearce, Erika L.

Hutchins, Anne S. *See* Pearce, Erika L.
Hutyra, Lucy. *See* Saleska, Scott R.
Hyde, S. T. *See* Garcia-Ruiz, J. M.

I, J, and K

- Ibarra, Fernando. *See* Schiestl, Florian P.
Iida, Kei. *See* Yamada, Kayoko.
Imamoto, Naoko. *See* Lee, Soo Jae.
Imbro, Dennis R. *See* Fitch, J. Patrick.
Imondi, Ralph and Thomas, John B.: The ups and downs of Wnt signaling (perspective). p1903 12 Dec 2003.
Inatani, Masaru; Irie, Fumitoshi; Plump, Andrew S.; Tessier-Lavigne, Marc; Yamaguchi, Yu: Mammalian brain morphogenesis and midline axon guidance require heparan sulfate. p1044 7 Nov 2003.
Ioime, N. *See* Giot, L.
Ireton, Gregory C. *See* Kuhlman, Brian.
Irie, Fumitoshi. *See* Inatani, Masaru.
Irion, Robert (news): Faults may gang up on Los Angeles. p1877 12 Dec 2003. Polar storms reboot the Sun's magnetic program. p1490 28 Nov 2003. Smashup sends alien stars streaming near the sun. p32 3 Oct 2003. Spitzer Space Telescope (né SIRTf) sparkles in debut. p2047 19 Dec 2003.
Irons, David B. *See* Peterson, Charles H.
Isaacs, Neil W. *See* Roszak, Aleksander W.
Isejima, Hiromi. *See* Yamaguchi, Shun.
Ishida, Junko. *See* Yamada, Kayoko.
Issa, Jean-Pierre J. *See* Yang, Allen S.
Ito, Shigehiko; Stuphorn, Veit; Brown, Joshua W.; Schall, Jeffrey D.: Performance monitoring by the anterior cingulate cortex during saccade countermanding. p120 3 Oct 2003.
Ivanova, Natalia B.; Dimos, John T.; Schaniel, Christoph; Hackney, Jason A.; Moore, Kateri A.; Ramalho-Santos, Miguel; Yoon, Soonsang; Matsuzaki, Yumi; Mulligan, Richard C.; Melton, Douglas A.; Lemischka, Ihor R.: Response to comments on "'Stemness': transcriptional profiling of embryonic and adult stem cells" and "A stem cell molecular signature" (technical comment). p393 17 Oct 2003. www.sciencemag.org/cgi/content/full/302/5644/393d.
Jackson, J. B. C. *See* Hughes, T. P.
Jackson, Jeremy B. C. *See* Pandolfi, John M.
Jacobsen, Stein B. *See* Basu, Asish R.
Jaeger, C. C. *See* Hasselmann, K.
Jaenicke-Després, Viviane; Buckler, Ed S.; Smith, Bruce D.; Gilbert, M. Thomas P.; Cooper, Alan; Doebly, John; Pääbo, Svante: Early allelic selection in maize as revealed by ancient DNA. p1206 14 Nov 2003.
Jaenisch, Rudolf. *See* Chen, Wen G. *See also* Eden, Amir.
Jaffe, Aron B. and Hall, Alan: Smurfing at the leading edge (perspective). p1690 5 Dec 2003.
Jagota, Anand. *See* Zheng, Ming.
Janda, Kim D. *See* Wentworth, Paul, Jr.
Jansen, Ronald; Yu, Haiyuan; Greenbaum, Dov; Kluger, Yuval; Krogan, Nevan J.; Chung, Sambath; Emili, Andrew; Snyder, Michael; Greenblatt, Jack F.; Gerstein, Mark: A Bayesian networks approach for predicting protein-protein interactions from genomic data. p449 17 Oct 2003.
Janssens, Ivan A.: The European carbon budget: a gap (letter). p1681 5 Dec 2003.
Jarvie, T. *See* Giot, L.
Jasny, Barbara R.: review of *RIKEN Mouse Genome Encyclopedia*, by Jun Kawai and Yoshihide Hayashizaki, eds. p396 17 Oct 2003.
Jasny, Barbara R. and Roberts, Leslie: Are we there yet? p587 24 Oct 2003.
Jasti, Aparna C. *See* Gu, Yi.
Jastrow, Julie D. *See* Matamala, Roser.
Jenkins, Martin: Prospects for biodiversity. p1175 14 Nov 2003.
Jensen, Kirk B. *See* Ule, Jernej.
Jérôme, D. *See* Limelette, P.
Ji, Qiang. *See* Luo, Zhe-Xi.
Jiang, Paul X. *See* Yamada, Kayoko.
Jochim, S.; Bartenstein, M.; Altmeyer, A.; Hendl, G.; Riedl, S.; Chin, C.; Denschlag, J. Hecker; Grimm, R.: Bose-Einstein condensation of molecules. p2101 19 Dec 2003.
Johal, Gurmukh S. *See* Multani, Dilbag S.
Johannessen, O. M. *See* Hasselmann, K.
Johnson, Eric J. and Goldstein, Daniel: Do defaults save lives? p1338 21 Nov 2003.
Johnson, J. *See* Singleton, A. B.
Johnson, Jason M.; Castle, John; Garrett-Engle, Philip; Kan, Zhengyan; Loerch, Patrick M.; Armour, Christopher D.; Santos, Ralph; Schadt, Eric E.; Stoughton, Roland; Shoemaker, Daniel D.: Genome-wide survey of human alternative pre-mRNA splicing with exon junction microarrays. p2141 19 Dec 2003.
Johnson, Kimberly S. *See* Changelian, Paul S.
Johnson-Hopson, Chanda. *See* Yamada, Kayoko.
Johnston, Mark and Stormo, Gary D.: Heirlooms in the attic (perspective). p997 7 Nov 2003.
Johnstone, Karen A. *See* Kanadia, Rahul N.
Jones, David T.: Learning to speak the language of proteins (perspective). p1347 21 Nov 2003.
Jones, Geraint H. *See* Povich, Matthew S.
Jones, Jeremy B.; Stanley, Emily H.; Mulholland, Patrick J.: Increased alkalinity in the Mississippi (letter). p985 7 Nov 2003.
Jones, Ted. *See* Yamada, Kayoko.
Jonsson, Bror. *See* Fleming, Ian A.
Jonsson, Nina. *See* Fleming, Ian A.
Jordan, Robert E. *See* Siwick, Bradley J.
Joseph, Marie. *See* Fortunel, Nicolas O.
Josephson, Paul R.: Decommissioning Russia's nuclear subs (letter). p1893 12 Dec 2003.
Journet, Laure; Agrain, Céline; Broz, Petr; Cornelis, Guy R.: The needle length of bacterial injectosomes is determined by a molecular ruler. p1757 5 Dec 2003.
Julien, J.-P. *See* Clement, A. M.
Jung, Jee W. *See* Birnbaum, Kenneth.
Kachergus, J. *See* Singleton, A. B.
Kahn, Laura H.: Life scientists and the dual use dilemma (letter). p1894 12 Dec 2003.
Kahwa, Ishenkumba A.: Developing world science strategies (letter). p1677 5 Dec 2003.
Kainer, Karen A. *See* Peres, Carlos A.
Kaiser, Jocelyn (news): FDA puts the brakes on Roche's gene array test. p1134 14 Nov 2003. A healthful dab of radiation? p378 17 Oct 2003. In step with advocates, NIH backs targeted research centers. p547 24 Oct 2003. Military wins changes that may ease research. p1487 28 Nov 2003. NIH roiled by inquiries over grants hit list. p758 31 Oct 2003. Nobelists go four-on-one with Cheney. p1487 28 Nov 2003. Patent sprawl: from genes to gene interpretation. p1878 12 Dec 2003. Sex studies denounced, NIH's peer-review process defended. p966 7 Nov 2003. Sipping from a poisoned chalice. p376 17 Oct 2003. Speeding up delivery: NIH aims to push for clinical results. p28 3 Oct 2003. Warmer ocean could threaten Antarctic ice shelves. p759 31 Oct 2003.
Kaiser, Jocelyn. *See* Mervis, Jeffrey.
Kamenetsky, Vadim S. *See* Harris, Anthony C.
Kamiya, Asako. *See* Yamada, Kayoko.
Kammen, Daniel M.: review of *Energy at the Crossroads*, by Vaclav Smil. p1896 12 Dec 2003.
Kammen, Daniel M. and Lipman, Timothy E.: Assessing the future hydrogen economy (letter). p226 10 Oct 2003.
Kan, Zhengyan. *See* Johnson, Jason M.
Kanadia, Rahul N.; Johnstone, Karen A.; Mankodi, Ami; Lungu, Codrin; Thornton, Charles A.; Esson, Douglas; Timmers, Adrian M.; Hauswirth, William W.; Swanson, Maurice S.: A muscleblind knockout model for myotonic dystrophy. p1978 12 Dec 2003.
Kanagawa, Osami. *See* Lee, Kyeong-Hee.
Kanashiro, Milton. *See* Peres, Carlos A.
Kane, Thomas J.: The long road to race-blindness. p571 24 Oct 2003.
Kantarjian, Hagop M. *See* Yang, Allen S.
Kao, Chi-chang. *See* Mao, Wendy L.
Kao, Der-I. *See* Chan, Shih-Peng.
Kapteyn, Henry C. *See* Gibson, Emily A.
Karamycheva S. *See* Whitelaw, C. A.
Karim, Enamul. *See* Mascie-Taylor, C. G. Nicholas.
Karl, Thomas R. and Trenberth, Kevin E.: Modern global climate change. p1719 5 Dec 2003.
Karlín-Newmann, George. *See* Yamada, Kayoko.
Karnchanaphanurach, Pallop. *See* Yang, Haw.
Karnes, Meagan. *See* Yamada, Kayoko.
Károlyi, David J.: Ozone and climate change (perspective). p236 10 Oct 2003.
Károlyi, David J.; Braganza, Karl; Stott, Peter A.; Arblaster, Julie M.; Meehl, Gerald A.; Broccoli, Anthony J.; Dixon, Keith W.: Detection of a human influence on North American climate. p1200 14 Nov 2003.
Karve, A. D.: Cooking without air pollution (letter). p987 7 Nov 2003.
Katakai, Tomoya. *See* Nambu, Yukiko.
Kaufman, Les. *See* Aronson, Richard B.
Kawabata, Thomas T. *See* Changelian, Paul S.
Kawai, Jun. *See* Yamada, Kayoko.
Kawasaki, Masashi. *See* Fang, Zhong.
Keith, David W. and Farrell, Alexander E.: The Bush Administration and hydrogen (letter). p1331 21 Nov 2003. Hydrogen cars and water vapor (letter). p1329 21 Nov 2003. What about the shortcuts? (letter). p1329 21 Nov 2003.
Kejariwal, Anish. *See* Clark, Andrew G.
Keller, Michael. *See* Saleska, Scott R.
Kemfert, C. *See* Hasselmann, K.
Kempermann, Gerd and Neumann, Harald: Microglia: the enemy within? (perspective). p1689 5 Dec 2003.
Kennedy, Donald (editorials): Agriculture and the developing world. p357 17 Oct 2003. Breakthrough of the year. p2033 19 Dec 2003. Forensic science: oxymoron? p1625 5 Dec 2003. Industry and academia in transition. p1293 21 Nov 2003. Sustainability and the commons. p1861 12 Dec 2003. "Well, they were doing it too." p17 3 Oct 2003.
Kennedy, James L.; Farrer, Lindsay A.; Andreassen, Nancy C.; Mayeux, Richard; St George-Hyslop, Peter: The genetics of adult-onset neuropsychiatric disease: complexities and conundra? p822 31 Oct 2003.
Kennedy, Martin J. *See* Ridgwell, Andy J.
Kent, Craig R. *See* Changelian, Paul S.
Kenyon, Cynthia. *See* Arantes-Oliveira, Nuno.
Keren, Kinneret; Berman, Rotem S.; Buchstab, Evgeny; Sivan, Uri; Braun, Erez: DNA-templated carbon nanotube field-effect transistor. p1380 21 Nov 2003.
Kerr, Richard A.: Have clouds darkened since 1995? (letter). p1151 14 Nov 2003.
Kerr, Richard A. (news): A call for telling better time over the eons. p375 17 Oct 2003. Extinction by a whoosh, not a bang? p1315 21 Nov 2003. Failed CONTOUR comet mission melted itself down. p546 24 Oct 2003. Has an impact done it again? p1314 21 Nov 2003. Mantle plumes both tall and short? p1643 5 Dec 2003. Minerals cooked up in the laboratory call ancient microfossils into question. p1134 14 Nov 2003. Pacific migration arrested by meltdown's high waters. p1888 12 Dec 2003. Same crew to run new program. p213 10 Oct 2003. Sweeping up after the solar system. p1491 28 Nov 2003. Wanderlust in

- the western margin. p1889 12 Dec 2003. Warming Indian Ocean wringing moisture from the Sahel. p210 10 Oct 2003.
- Kes, Peter. *See* Hilgenkamp, Hans.
- Khan, Shehnaz. *See* Yamada, Kayoko.
- Khouri, H. *See* Methé, B. A.
- Killgore, George E. *See* Weigel, Linda M.
- Kim, Bong-Suk. *See* Mukhopadhyay, Suchetana.
- Kim, Chanki. *See* Kim, Daesoo.
- Kim, Christopher. *See* Yamada, Kayoko.
- Kim, Daesoo; Park, Donghyun; Choi, Soonwook; Lee, Sukchan; Sun, Minjeong; Kim, Chanki; Shin, Hee-Sup: Thalamic control of visceral nociception mediated by T-type Ca²⁺ channels. p117 3 Oct 2003.
- Kim, Stuart K. *See* Stuart, Joshua M.
- King, Leslie A. *See* Lyuksyutova, Anna I.
- King, Mary-Claire; Marks, Joan H.; Mandell, Jessica B.; New York Breast Cancer Study Group, The: Breast and ovarian cancer risks due to inherited mutations in *BRCA1* and *BRCA2*. p643 24 Oct 2003.
- Kinloch, Ian A. *See* Song, Wenhui.
- Kirchhoff, Volker. *See* Saleska, Scott R.
- Kirkness, Ewen. *See* Dermitzakis, Emmanouil T.
- Klausner, R. *See* Varmus, H.
- Klein, Roberta. *See* Pielke, Roger A., Jr.
- Klein, Spencer: The human cost of the SSC (letter). p1893 12 Dec 2003.
- Klenk, Hans-Dieter. *See* Eickmann, Markus.
- Kleypas, J. *See* Hughes, T. P.
- Klöhn, Peter-Christian. *See* Mallucci, Giovanna.
- Klose, Robert and Bird, Adrian: MeCP2 repression goes nonglobal (perspective). p793 31 Oct 2003.
- Kluger, Yuval. *See* Jansen, Ronald.
- Knight, J. *See* Giot, L.
- Knutti, Reto. *See* Anderson, Theodore L.
- Ko, Yuan-Kuen. *See* Povich, Matthew S.
- Kobayashi, Kazuo. *See* Ashida, Hiroki.
- Kobayashi, Masaki. *See* Yamaguchi, Shun.
- Kodama, Shohta; Kührtreiber, Willem; Fujimura, Satoshi; Dale, Elizabeth A.; Faustman, Denise L.: Islet regeneration during the reversal of autoimmune diabetes in NOD mice. p1223 14 Nov 2003.
- Koechlin, Etienne; Ody, Chrystèle; Kouneher, Frédérique: The architecture of cognitive control in the human prefrontal cortex. p1181 14 Nov 2003.
- Koesema, Eric. *See* Yamada, Kayoko.
- Kojima, Chojiro. *See* Ashida, Hiroki.
- Kolesnick, Richard and Fuks, Zvi: Response to comments on "Tumor response to radiotherapy regulated by endothelial cell apoptosis" (technical comment). p1894 12 Dec 2003. www.sciencemag.org/cgi/content/full/302/5652/1894e.
- Kolhekar, Aparna: A gross indignity to humans (letter). p2070 19 Dec 2003.
- Koller, Daphne. *See* Stuart, Joshua M.
- Kolonay, J. F. *See* Methé, B. A.
- Kolonay, James F. *See* Weigel, Linda M.
- Kong, Wei. *See* Yu, Xianghui.
- Kong, Y. *See* Giot, L.
- Kool, Eric T. *See* Liu, Haibo.
- Kopp, Raymond J. *See* Chow, Jeffrey.
- Korn, David and Heinig, Stephen: Agricultural IP and the public sector (letter). p781 31 Oct 2003.
- Koshland, D. E., Jr.: review of *Inspiring Science*, by John R. Inglis, Joseph Sambrook, and Jan A. Witkowski, eds. p231 10 Oct 2003.
- Koslov, Erika R. *See* Changelian, Paul S.
- Kotliar, Gabriel: Driving the electron over the edge (perspective). p67 3 Oct 2003.
- Kouneher, Frédérique. *See* Koechlin, Etienne.
- Kovačev, M. *See* Mairesse, Y.
- Kovács, József: An unseemly display of mortality? (letter). p2070 19 Dec 2003.
- Krajick, Kevin (news): Methuselahs in our midst. p768 31 Oct 2003.
- Krawczyk, Connie M. *See* Pearce, Erika L.
- Krek, Wilhelm. *See* Gstaiger, Matthias.
- Krogan, Nevan J. *See* Jansen, Ronald.
- Krueger, H. *See* Smith, E. J.
- Krupp, N. *See* Smith, E. J.
- Kuang, B. *See* Giot, L.
- Kubatko, Karrie-Ann Hughes; Helean, Kathryn B.; Navrotsky, Alexandra; Burns, Peter C.: Stability of peroxide-containing uranyl minerals. p1191 14 Nov 2003.
- Kudlacz, Elizabeth M. *See* Changelian, Paul S.
- Kuhlman, Brian; Dantas, Gautam; Ireton, Gregory C.; Varani, Gabriele; Stoddard, Barry L.; Baker, David: Design of a novel globular protein fold with atomic-level accuracy. p1364 21 Nov 2003.
- Kuhn, Richard J. *See* Mukhopadhyay, Suchetana.
- Kührtreiber, Willem. *See* Kodama, Shohta.
- Kulmala, Markku: How particles nucleate and grow (perspective). p1000 7 Nov 2003.
- Kummel, Andrew C.: How to assemble a molecular junction (perspective). p69 3 Oct 2003.
- Kuntzman, Jeff W. *See* Dellavalle, Robert P.
- Kunzig, Robert: Deep-sea biology: living with the endless frontier (essays on science and society). p991 7 Nov 2003.
- Kurusu, Genji; Zhang, Huamin; Smith, Janet L.; Cramer, William A.: Structure of the cytochrome b₆f complex of oxygenic photosynthesis: tuning the cavity. p1009 7 Nov 2003.
- Kushnir, Susanna. *See* Rak, Alexey.
- Kwiatkowski, David J. *See* Gu, Yi.

L

- Lackner, Klaus S.: Alkalinity export and carbon balance (letter). p985 7 Nov 2003.
- Lakey, N. *See* Whitelaw, C. A.
- Lam, Bao. *See* Yamada, Kayoko.
- Lam, Francis. *See* Hagen, Thilo.
- Lamb, Peter J. *See* Prospero, Joseph M.
- Lambert, Georgina M. *See* Birnbaum, Kenneth.
- Lamping, Kathryn G. *See* Chen, Chien-Chang.
- Landaverde, Irene Oviedo. *See* Shibata, Yukimasa.
- Landgraf, M. *See* Smith, E. J.
- Landick, Robert. *See* Artsimovitch, Irina.
- Landrigan, Philip J. *See* Edwards, E. Stephen.
- Landskron, Kai; Hatton, Benjamin D.; Perovic, Doug D.; Ozin, Geoffrey A.: Periodic mesoporous organosilicas containing interconnected [Si(CH₃)₃ rings. p266 10 Oct 2003.
- Lanzerotti, L. J. *See* Smith, E. J.
- Larson, Michael. *See* Changelian, Paul S.
- Latif, M. *See* Hasselmann, K.
- Latorre-Esteves, Madga. *See* Anderson, Rozalyn M.
- Lauder, George V. *See* Liao, James C.
- Lavoie, Julie L. *See* Chen, Chien-Chang.
- Lavu, Siva. *See* Anderson, Rozalyn M.
- Law, Christopher J. *See* Roszak, Aleksander W.
- Lawler, Andrew: Breakdown of the year: space shuttle Columbia. p2042 19 Dec 2003.
- Lawler, Andrew (news): Bringing cultural heritage out of the shadows. p975 7 Nov 2003. Bush plan for NASA: watch this space. p1873 12 Dec 2003. Chicago scholar is keystone in bridging two worlds. p978 7 Nov 2003. Iran reopens its past. p970 7 Nov 2003. Jiroft discovery stuns archaeologists. p973 7 Nov 2003. Looting savages new site. p974 7 Nov 2003. NASA draws the line at servicing Hubble. p1641 5 Dec 2003. Neglected civilization grabs limelight. p979 7 Nov 2003. Princeton study strikes sad but familiar chord. p33 3 Oct 2003. Uruk: spreading fashion or empire? p977 7 Nov 2003. Vest steps down as MIT president. p1879 12 Dec 2003.
- Lawler, Andrew. *See* Mervis, Jeffrey.
- Lazovatsky, Y. *See* Giot, L.
- Le Deist, F. *See* Hacin-Bey-Abina, S.
- Le Fric, Gaëlle. *See* Zhou, Qi.
- Le, Phuong T. *See* McGuire, Sean E.
- Leach, M. *See* Giot, L.
- Leboulch, P. *See* Hacin-Bey-Abina, S.
- Ledwich, Duncan. *See* Wang, Xiaochen.
- Lee, Andrew W. *See* Gu, Yi.
- Lee, Chih-Hao; Chawla, Ajay; Urbiztondo, Ned; Liao, Debbie; Boisvert, William A.; Evans, Ronald M.: Transcriptional repression of atherogenic inflammation: modulation by PPAR δ . p453 17 Oct 2003.
- Lee, Chung-Gi. *See* Nambu, Yukiko.
- Lee, Jeong M. *See* Yamada, Kayoko.
- Lee, Kyeong-Hee; Dinner, Aaron R.; Tu, Chun; Campi, Gabriele; Raychaudhuri, Subhadip; Varma, Rajat; Sims, Tasha N.; Burack, W. Richard; Wu, Hui; Wang, Julia; Kanagawa, Osami; Markiewicz, Mary; Allen, Paul M.; Dustin, Michael L.; Chakraborty, Arup K.; Shaw, Andrew S.: The immunological synapse balances T cell receptor signaling and degradation. p1218 14 Nov 2003.
- Lee, Ming-Chia. *See* Wang, Xiaochen.
- Lee, Soo Jae; Sekimoto, Toshihiro; Yamashita, Eiki; Nagoshi, Emi; Nakagawa, Atsushi; Imamoto, Naoko; Yoshimura, Masato; Sakai, Hiroaki; Chong, Khoon Tee; Tsukihara, Tomitake; Yoneda, Yoshihiro: The structure of importin- β bound to SREBP-2: nuclear import of a transcription factor. p1571 28 Nov 2003.
- Lee, Sukchan. *See* Kim, Daesoo.
- Lee, Y. *See* Whitelaw, C. A.
- Lehman, Peter A.: Assessing the future hydrogen economy (letter). p226 10 Oct 2003.
- Lei, Xiong. *See* Yimin, Ding.
- Leiva, L. E. *See* Hacin-Bey-Abina, S.
- Lemischka, Ihor R. *See* Ivanova, Natalia B.
- Lenardo, Michael J. *See* Yu, Li.
- Lenoir, Timothy: review of *Enough*, by Bill McKibben. p1155 14 Nov 2003.
- Lerner, Richard A. *See* Wentworth, Paul, Jr.
- Leshner, Alan I.: Don't let ideology trump science (editorial). p1479 28 Nov 2003.
- Leutwyler, Samuel. *See* Tanner, Christian.
- Lévi, Sabine. *See* Dahan, Maxime.
- Levy-Lahad, Ephrat and Plon, Sharon E.: A risky business—assessing breast cancer risk (perspective). p574 24 Oct 2003.
- Lewcock, Joseph W. and Reed, Randall R.: ORs rule the roost in the olfactory system (perspective). p2078 19 Dec 2003.
- Li, Baolin. *See* Zhou, Yan.
- Li, Ming O.; Sarkisian, Matthew R.; Mehal, Wajahat Z.; Rasic, Pasko; Flavell, Richard A.: Phosphatidylycerine receptor is required for clearance of apoptotic cells. p1560 28 Nov 2003.
- Li, Muiyang; Brooks, Christopher L.; Wu-Baer, Foon; Chen, Delin; Baer, Richard; Gu, Wei: Mono- versus polyubiquitination: differential control of p53 fate by Mdm2. p1972 12 Dec 2003.
- Li, P. H. *See* Guan, Y.
- Li, Wen-Hsiung. *See* Lu, Jian.
- Li, Xiaoyu. *See* Fortunel, Nicolas O.
- Li, Y. *See* Giot, L.
- Li, Zhanqing; Ackerman, Thomas P.; Wiscombe, Warren; Stephens, Graeme L.: Have clouds darkened since 1995? (letter). p1151 14 Nov 2003.
- Liao, Debbie. *See* Lee, Chih-Hao.
- Liao, James C.; Beal, David N.; Lauder, George V.; Triantafyllou, Michael S.: Fish exploiting vortices decrease muscle activity. p1566 28 Nov 2003.
- Liebermann, Towia A. *See* Fortunel, Nicolas O.
- Lichtman, A. H. *See* Mechoulam, R.
- Liddington, Robert C. *See* Tadokoro, Seiji.
- Lieber, Charles M. *See* Zhong, Zhaohui.
- Lieberman, Matthew D. *See* Eisenberger, Naomi I.
- Lillie, Brett M. *See* Changelian, Paul S.
- Lim, A. *See* Hacin-Bey-Abina, S.
- Lim, Bing. *See* Fortunel, Nicolas O.
- Lim, Jun. *See* Yamada, Kayoko.

- Lim, W. *See* Guan, Y.
- Limelette, P.; Georges, A.; Jérôme, D.; Wzietek, P.; Metcalf, P.; Honig, J. M.: Universality and critical behavior at the Mott transition. p89 3 Oct 2003.
- Limpens, Erik; Franken, Carolien; Smit, Patrick; Willemsse, Joost; Bisseling, Ton; Geurts, René: LysM domain receptor kinases regulating rhizobial Nod factor-induced infection. p630 24 Oct 2003.
- Lin, Yingxi. *See* Chen, Wen G.
- Lincoln, S. *See* Singleton, A. B.
- Lindquist, Susan. *See* Outeiro, Tiago Fleming.
- Lindquist, Susan L. *See* Willingham, Stephen.
- Lindsey, Jonathan S. *See* Liu, Zhiming.
- Lindsley, Donald H.: review of *Mind over Magma*, by Davis A. Young. p1334 21 Nov 2003.
- Lindsten, Tullia. *See* Pearce, Erika L.
- Linehan, Jacqueline. *See* Mallucci, Giovanna.
- Lipman, Timothy E. *See* Kammen, Daniel M.
- Littman, Bruce H. *See* Changelian, Paul S.
- Liu, Bindong. *See* Yu, Xianghui.
- Liu, Feng. *See* Zhou, Yan.
- Liu, Haibo; Gao, Jianmin; Lynch, Stephen R.; Saito, Y. David; Maynard, Lystranne; Kool, Eric T.: A four-base paired genetic helix with expanded size. p868 31 Oct 2003.
- Liu, Jianguo: SARS, wildlife, and human health (letter). p53 3 Oct 2003.
- Liu, Shirley X. *See* Yamada, Kayoko.
- Liu, X. L. *See* Guan, Y.
- Liu, Zhiming; Yasserli, Amir A.; Lindsey, Jonathan S.; Bocian, David F.: Molecular memories that survive silicon device processing and real-world operation. p1543 28 Nov 2003.
- Lloyd, D. R.: Comment on "Salt-pump mechanism for contaminant intrusion into coastal aquifers" (technical comment). p784 31 Oct 2003. www.sciencemag.org/cgi/content/full/302/5646/784b.
- Lloyd, Seth. *See* Emerson, Joseph.
- Loerch, Patrick M. *See* Johnson, Jason M.
- Loewe, Laurence; Textor, Volker; Scherer, Siegfried: High deleterious genomic mutation rate in stationary phase of *Escherichia coli*. p1558 28 Nov 2003.
- Loewenberg, Samuel (news): Europe whittles down plans for massive chemical testing program. p969 7 Nov 2003.
- Loisel, Hubert. *See* Dandonneau, Yves.
- Long, Philip M. *See* Fortunel, Nicolas O.
- López-Ferber, Miguel. *See* Valardi, Julien.
- López-Rodríguez, Maria Luz. *See* Marsicano, Giovanni.
- Lorenz, Ralph: The glitter of distant seas (perspective). p403 17 Oct 2003.
- Lough, J. M. *See* Hughes, T. P.
- Louie, Tai-Man. *See* Yang, Haw.
- Lovins, Amory B.: Assessing the future hydrogen economy (letter). p226 10 Oct 2003.
- Lovley, D. R. *See* Methé, B. A.
- Lowery, Drew M. *See* Manke, Isaac A.
- Lu, Chin-Chun. *See* Lyuksyutova, Anna I.
- Lu, Fu. *See* Clark, Andrew G.
- Lu, Jian; Li, Wen-Hsiung; Wu, Chung-I: Comment on "Chromosomal speciation and molecular divergence—accelerated evolution in rearranged chromosomes" (technical comment). p988 7 Nov 2003. www.sciencemag.org/cgi/content/full/302/5647/988b.
- Lübke, Joachim. *See* Silver, R. Angus.
- Luccardini, Camilla. *See* Dahan, Maxime.
- Luk, Yan-Yeung. *See* Brake, Jeffrey M.
- Luke, Brian. *See* Gstaiger, Matthias.
- Lungu, Codrin. *See* Kanadia, Rahul N.
- Luntz, A. C.: Toward vibrational mode control in catalysis (perspective). p70 3 Oct 2003.
- Luntz, A. C. *See* Hornekær, L.
- Luo, Guobin. *See* Yang, Haw.
- Luo, Kun. *See* Yu, Xianghui.
- Luo, S. W. *See* Guan, Y.
- Luo, Yiqi. *See* Hungate, Bruce A.
- Luo, Zhe-Xi; Ji, Qiang; Wible, John R.; Yuan, Chong-Xi: An early Cretaceous tribosphenic mammal and metatherian evolution. p1934 12 Dec 2003.
- Lutz, Beat. *See* Marsicano, Giovanni.
- Lynch, A. Simon. *See* Artsimovitch, Irina.
- Lynch, Michael and Conery, John S.: The origins of genome complexity. p1401 21 Nov 2003.
- Lynch, Stephen R. *See* Liu, Haibo.
- Lyuksyutova, Anna I.; Lu, Chin-Chun; Milanesio, Nancy; King, Leslie A.; Guo, Nini; Wang, Yan-shu; Nathans, Jeremy; Tessier-Lavigne, Marc; Zou, Yimin: Anterior-posterior guidance of commissural axons by Wnt-Frizzled signaling. p1984 12 Dec 2003.

M

- MacDowall, R. J. *See* Smith, E. J.
- Machineni, H. *See* Giot, L.
- Macintyre, E. *See* Hacey-Bey-Abina, S.
- MacMicking, John D.; Taylor, Gregory A.; McKinney, John D.: Immune control of tuberculosis by IFN- γ -inducible LRG-47. p654 24 Oct 2003.
- Madupu, R. *See* Methé, B. A.
- Magna, Holly A. *See* Changelian, Paul S.
- Magnuson, Kelly S. *See* Changelian, Paul S.
- Mairesse, Y.; de Bohan, A.; Frasiniski, L. J.; Merdji, H.; Dinu, L. C.; Monchicourt, P.; Breger, P.; Kovačev, M.; Taieb, R.; Carré, B.; Muller, H. G.; Agostini, P.; Salières, P.: Attosecond synchronization of high-harmonic soft x-rays. p1540 28 Nov 2003.
- Malakoff, David (news): Butler 'lit bonfire' to hide misdeeds, U.S. says. p963 7 Nov 2003. Butler's samples spelled trouble for U.S. agencies. p2058 19 Dec 2003. DOE told to make its science more visible. p762 31 Oct 2003. The fight over a phrase. p552 24 Oct 2003. House bill triggers internecine battle. p554 24 Oct 2003. Money woes force some to change course. p553 24 Oct 2003. Opening the books on open access. p550 24 Oct 2003. Plague researcher recants account about fate of vials. p543 24 Oct 2003. A plan to go where few have gone before. p1135 14 Nov 2003. Report says U.S. needs bigger deep-sea fleet. p1135 14 Nov 2003. Scientists counting on census to reveal marine biodiversity. p773 31 Oct 2003.
- Malakoff, David. *See* Enserink, Martin.
- Malakoff, David and Cho, Adrian: ITER tops DOE's list of next big science projects. p1126 14 Nov 2003.
- Malakoff, David and Enserink, Martin: Butler cleared on most biosecurity charges, convicted of fraud. p1637 5 Dec 2003. Researchers await government response to self-regulation plea. p368 17 Oct 2003.
- Malcolm, R. *See* Giot, L.
- Malcom, Shirley: Johannesburg + 1: S&T challenges (editorial). p197 10 Oct 2003.
- Malin, Michael C. and Edgett, Kenneth S.: Evidence for persistent flow and aqueous sedimentation on early Mars. p1931 12 Dec 2003.
- Malin, Peter. *See* Chavarria, J. Andres.
- Malissen, Bernard: Switching off TCR signaling (perspective). p1162 14 Nov 2003.
- Mallucci, Giovanna; Dickinson, Andrew; Linehan, Jacqueline; Klöhn, Peter-Christian; Brandner, Sebastian; Collinge, John: Depleting neuronal PrP in prion infection prevents disease and reverses spongiosis. p871 31 Oct 2003.
- Manca, Carine. *See* Tanner, Christian.
- Mandell, Jessica B. *See* King, Mary-Claire.
- Manke, Isaac A.; Lowery, Drew M.; Nguyen, Anh-co; Yaffe, Michael B.: BRCT repeats as phosphopeptide-binding modules involved in protein targeting. p636 24 Oct 2003.
- Mankodi, Ami. *See* Kanadia, Rahul N.
- Mant, Jim G. *See* Schiestl, Florian P.
- Mao, Chai-an. *See* Pearce, Erika L.
- Mao, Ho-kwang. *See* Mao, Wendy L.
- Mao, Panyong. *See* Yu, Xianghui.
- Mao, Wendy L.; Mao, Ho-kwang; Eng, Peter J.; Trainor, Thomas P.; Newville, Matthew; Kao, Chi-chang; Heinz, Dion L.; Shu, Jinfu; Meng, Yue; Hemley, Russell J.: Bonding changes in compressed superhard graphite. p425 17 Oct 2003.
- Maraganore, D. *See* Singleton, A. B.
- Marek, Kenneth. *See* DeKosky, Steven T.
- Margot, Jean-Luc. *See* Chesley, Steven R.
- Maricle, Genevieve. *See* Pielke, Roger A., Jr.
- Maritorenza, Stéphane. *See* Claustre, Hervé.
- Markiewicz, Mary. *See* Lee, Kyeong-Hee.
- Marks, Joan H. *See* King, Mary-Claire.
- Maroni, Plinio. *See* Beck, Rainer D.
- Marqués-Bonet, Tomàs. *See* Navarro, Arcadi.
- Marsden, Brian G. *See* Povich, Matthew S.
- Marsden, R. G. *See* Smith, E. J.
- Marshall, Eliot (news): First check my genome, doctor. p589 24 Oct 2003. Preventing toxicity with a gene test. p588 24 Oct 2003. Zerhouni pledges review of NIH consulting in wake of allegations. p2046 19 Dec 2003.
- Marshall, P. *See* Hughes, T. P.
- Marsicano, Giovanni; Goodenough, Sharon; Monory, Krisztina; Hermann, Heike; Eder, Matthias; Cannich, Astrid; Azad, Shahnaz C.; Cascio, Maria Grazia; Gutiérrez, Silvia Ortega; van der Stelt, Mario; López-Rodríguez, Maria Luz; Casanova, Emilio; Schütz, Günther; Ziegler-gansberger, Walter; Di Marzo, Vincenzo; Behl, Christian; Lutz, Beat: CB1 cannabinoid receptors and on-demand defense against excitotoxicity. p84 3 Oct 2003.
- Martiensen, Robert A. *See* Palmer, Lance E.
- Martin, William H. *See* Changelian, Paul S.
- Martinowich, Keri; Hattori, Daisuke; Wu, Hao; Fouse, Shaun; He, Fei; Hu, Yan; Fan, Guoping; Sun, Yi E.: DNA methylation-related chromatin remodeling in activity-dependent *Bdnf* gene regulation. p890 31 Oct 2003.
- Martins, Gislaine A. *See* Pearce, Erika L.
- Marx, Jean (news): Animal models: live and in color. p1880 12 Dec 2003. How cells step out. p214 10 Oct 2003. Ozone may be secret ingredient in plaques' inflammatory stew. p965 7 Nov 2003.
- Mascie-Taylor, C. G. Nicholas and Karim, Enamul: The burden of chronic disease. p1921 12 Dec 2003.
- Masignani, Vega. *See* Eickmann, Markus.
- Mason, David C. *See* Wilkinson, Mike J.
- Matamala, Roser; González-Meler, Miquel A.; Jastrow, Julie D.; Norby, Richard J.; Schlesinger, William H.: Impacts of fine root turnover on forest NPP and soil C sequestration potential. p1385 21 Nov 2003.
- Mathieu, Roland. *See* Fang, Zhong.
- Mathiot, Anne. *See* Walmsley, Marita J.
- Matross, Daniel M. *See* Saleska, Scott R.
- Matskevich, Alexey A. *See* Gobert, Vanessa.
- Matsumoto, Gary (news): Anthrax powder: state of the art? p1492 28 Nov 2003.
- Matsumoto, Kunihiko. *See* McGuire, Sean E.
- Matsuo, Takuya. *See* Yamaguchi, Shun.
- Matsuo, Takuya; Yamaguchi, Shun; Mitsui, Shigeru; Emi, Aki; Shimoda, Fukuko; Okamura, Hitoshi: Control mechanism of the circadian clock for timing of cell division in vivo. p255 10 Oct 2003.
- Matsuzaki, Yumi. *See* Ivanova, Natalia B.
- May, Patrick C. *See* Zhou, Yan.
- May, Robert M.: European Union R&D spending (letter). p565 24 Oct 2003.

- Mayeux, Richard. *See* Kennedy, James L.
 Maynard, Lystranne. *See* Liu, Haibo.
 Mazar, Amihai. *See* Bruins, Hendrik J.
 McArdle, Deborah. *See* Pandolfi, John M.
 McBride, William. *See* Brown, Martin.
 McClenachan, Loren. *See* Pandolfi, John M.
 McClung, C. Robertson. *See* Michael, Todd P.
 McComas, D. J. *See* Smith, E. J.
 McCombie, W. Richard. *See* Palmer, Lance E.
 McCormack, M. P. *See* Hacin-Bey-Abina, S.
 McCulloch, Malcolm T. *See* Müller, Wolfgang.
 McCurdy, Sandra P. *See* Changelian, Paul S.
 McDaniell, L. *See* Giot, L.
 McDougal, Linda K. *See* Weigel, Linda M.
 McGuire, Sean E.; Le, Phuong T.; Osborn, Alexander J.; Matsumoto, Kunihiko; Davis, Ronald L.: Spatiotemporal rescue of memory dysfunction in *Drosophila*. p1765 5 Dec 2003.
 McKay, Christopher P. *See* Navarro-González, Rafael.
 McKenna, Gillies. *See* Brown, Martin.
 McKenna, M. P. *See* Giot, L.
 McKibben, R. B. *See* Smith, E. J.
 McKinney, John D. *See* MacMicking, John D.
 McKinzie, David L. *See* Svenningsson, Per.
 Mclean, Robert S. *See* Zheng, Ming.
 McMahan, A. P. *See* Clement, A. M.
 McMichael, A. J.; Butler, C. D.; Folke, Carl: New visions for addressing sustainability. p1919 12 Dec 2003.
 McPeck, Mark A. *See* Michael, Todd P.
 McPherson, Michael S. and Schapiro, Morton Owen: Funding roller coaster for public higher education. p1157 14 Nov 2003.
 Mechoulam, R. and Lichtman, A. H.: Stout guards of the central nervous system (perspective). p65 3 Oct 2003.
 Mechsner, Franz and Newen, Albert: review of *Being No One*, by Thomas Metzinger. p61 3 Oct 2003.
 Medvedik, Oliver. *See* Anderson, Rozalyn M.
 Meehl, Gerald A. *See* Karoly, David J.
 Meggers, Betty J.: Revisiting Amazonia circa 1492 (letter). p2067 19 Dec 2003.
 Mehal, Wajahat Z. *See* Li, Ming O.
 Meissner, Alexander. *See* Chen, Wen G.
 Mele, Aldo. *See* Ule, Jernej.
 Melton, Douglas A. *See* Ivanova, Natalia B.
 Meng, Yue. *See* Mao, Wendy L.
 Menkes, Christophe. *See* Dandonneau, Yves.
 Menon, Ravi S. *See* Whitsky, David.
 Menton, Mary. *See* Saleska, Scott R.
 Mer, Georges. *See* Yu, Xiaochun.
 Merdji, H. *See* Mairesse, Y.
 Merikangas, Kathleen Ries and Risch, Neil: Genomic priorities and public health. p599 24 Oct 2003.
 Mervis, Jeffrey (news): Bye, bye Biosphere 2. p2053 19 Dec 2003. The power of words: the SSC in literature. p41 3 Oct 2003. Science minister starts from scratch. p1307 21 Nov 2003. Scientists are long gone, but bitter memories remain. p40 3 Oct 2003. Who's no. 1? Academy hopes new rankings will say more. p1883 12 Dec 2003.
 Mervis, Jeffrey; Lawler, Andrew; Kaiser, Jocelyn (news): Research catches a break in catch-all spending bill. p1636 5 Dec 2003.
 Mervis, Jeffrey and Seife, Charles (news): Lots of reasons, but few lessons. p38 3 Oct 2003.
 Metcalf, P. *See* Limelette, P.
 Methé, B. A.; Nelson, K. E.; Eisen, J. A.; Paulsen, I. T.; Nelson, W.; Heidelberg, J. F.; Wu, D.; Wu, M.; Ward, N.; Beanan, M. J.; Dodson, R. J.; Madupu, R.; Brinkac, L. M.; Daugherty, S. C.; DeBoy, R. T.; Durkin, A. S.; Gwinn, M.; Kolonay, J. F.; Sullivan, S. A.; Haft, D. H.; Selengut, J.; Daviden, T. M.; Zafar, N.; White, O.; Tran, B.; Romero, C.; Forberger, H. A.; Weidman, J.; Khouri, H.; Feldblyum, T. V.; Utterback, T. R.; Van Aken, S. E.; Lovley, D. R.; Fraser, C. M.: Genome of *Geobacter sulfurreducens*: metal reduction in subsurface environments. p1967 12 Dec 2003.
 Meyer, Guido and Brose, Nils: SPARring with spines (perspective). p1341 21 Nov 2003.
 Meyers, Cristina. *See* Yamada, Kayoko.
 Miao, Long; Vanderlinde, Orion; Stewart, Murray; Roberts, Thomas M.: Retraction in amoeboid cell motility powered by cytoskeletal dynamics. p1405 21 Nov 2003.
 Michael, Todd P.; Salomé, Patrice A.; Yu, Hannah J.; Spencer, Taylor R.; Sharp, Emily L.; McPeck, Mark A.; Alonso, José M.; Ecker, Joseph R.; McClung, C. Robertson: Enhanced fitness conferred by naturally occurring variation in the circadian clock. p1049 7 Nov 2003.
 Michaels, David and Wagner, Wendy: Disclosure in regulatory science. p2073 19 Dec 2003.
 Michaels, Scott D. *See* He, Yuehui.
 Michalak, Ewa M. *See* Villunger, Andreas.
 Milanesio, Nancy. *See* Lyuksyutova, Anna I.
 Miles, M. J. *See* Hörber, J. K. H.
 Milici, Anthony J. *See* Changelian, Paul S.
 Miller, Arnold I. and Foote, Michael: Increased longevities of post-Paleozoic marine genera after mass extinctions. p1030 7 Nov 2003.
 Miller, D. *See* Singleton, A. B.
 Miller, Greg (news): Gateways into cells usher in Nobels. p383 17 Oct 2003. Neurons get connected via glia. p1323 21 Nov 2003. Pills and games help conquer fear. p1321 21 Nov 2003.
 Miller, R. J. Dwayne. *See* Siwick, Bradley J.
 Miller, Scott D. *See* Saleska, Scott R.
 Minard, Anne (news): The Grand Canyon's cattalo. p549 24 Oct 2003.
 Mindell, David P. and Villarreal, Luis P.: Don't forget about viruses (letter). p1677 5 Dec 2003.
 Minsky, Abraham; Sharma, Ajay K.; Englander, Joseph: The structure of *D. radiodurans* (letter). p567 24 Oct 2003.
 Minto, M. *See* Giot, L.
 Miranda, Molly. *See* Yamada, Kayoko.
 Mitani, Shohei. *See* Wang, Xiaochen.
 Mitchell, Jennifer W. *See* Barnes, Jessica W.
 Mitsui, Shigeru. *See* Matsuo, Takuya.
 Miyamichi, Kazunari. *See* Serizawa, Shou.
 Mogilner, Alex and Oster, George: Shrinking gels pull cells (perspective). p1340 21 Nov 2003.
 Molina, Paola. *See* Navarro-González, Rafael.
 Mollnauer, Linn F.: Nonlinear optics in fibers (perspective). p996 7 Nov 2003.
 Monaco, Giulio. *See* Scopigno, Tullio.
 Moncada, Salvador. *See* Hagen, Thilo.
 Monchicourt, P. *See* Mairesse, Y.
 Monje, Michelle L.; Toda, Hiroki; Palmer, Theo D.: Inflammatory blockade restores adult hippocampal neurogenesis. p1760 5 Dec 2003.
 Monory, Krisztina. *See* Marsicano, Giovanni.
 Monsonego, Alon and Weiner, Howard L.: Immunotherapeutic approaches to Alzheimer's disease. p834 31 Oct 2003.
 Moore, Kateri A. *See* Ivanova, Natalia B.
 Moors, Marlana A. *See* O'Riordan, Mary.
 Mora, Marirosa. *See* Eickmann, Markus.
 Moran, Jennifer R. *See* Greenberg, Anthony J.
 Morgan, Vin I. *See* Curran, Mark A. J.
 Morillon, E. *See* Hacin-Bey-Abina, S.
 Morris, Randall E. *See* Changelian, Paul S.
 Moshchalkov, Victor V. *See* Hilgenkamp, Hans.
 Moshkin, O. *See* Wechsler, A.
 Moya-Laraño, Jordi. *See* Heath, Daniel D.
 Moyer, James D. *See* Changelian, Paul S.
 Mu, Xiuqian. *See* Fortunel, Nicolas O.
 Muchowski, Paul J. *See* Willingham, Stephen.
 Muentner, M. *See* Singleton, A. B.
 Mukhopadhyay, Suchetana; Kim, Bong-Suk; Chipman, Paul R.; Rossmann, Michael G.; Kuhn, Rich-
 ard J.: Structure of West Nile virus. p248 10 Oct 2003.
 Mulcahy, R. Timothy: An uncertain partnership (editorial). p949 7 Nov 2003.
 Mulholland, Patrick J. *See* Jones, Jeremy B.
 Müllauer, Franziska. *See* Villunger, Andreas.
 Mullen, Alan C. *See* Pearce, Erika L.
 Muller, H. G. *See* Mairesse, Y.
 Müller, Ulrike A.: Fish 'n flag (perspective). p1511 28 Nov 2003.
 Müller, Wolfgang; Fricke, Henry; Halliday, Alex N.; McCulloch, Malcolm T.; Wartho, Jo-Anne: Origin and migration of the Alpine Iceman. p862 31 Oct 2003.
 Mulligan, Richard C. *See* Ivanova, Natalia B.
 Multani, Dilbag S.; Briggs, Steven P.; Chamberlin, Mark A.; Blakeslee, Joshua J.; Murphy, Angus S.; Johal, Gurmukh S.: Loss of an MDR transporter in compact stalks of maize *br2* and sorghum *dw3* mutants. p81 3 Oct 2003.
 Munchhof, Michael J. *See* Changelian, Paul S.
 Munger, J. William. *See* Saleska, Scott R.
 Murnane, Margaret M. *See* Gibson, Emily A.
 Murphy, Angus S. *See* Multani, Dilbag S.
 Murphy, Brian. *See* Clark, Andrew G.
 Murthy, Krishna K. *See* Grakoui, Arash.
 Muschel, Ruth. *See* Brown, Martin.

N

- Nagaosa, Naoto. *See* Fang, Zhong.
 Nagel, Sidney R. *See* Doshi, Pankaj.
 Nagoshi, Emi. *See* Lee, Soo Jae.
 Nakagawa, Atsushi. *See* Lee, Soo Jae.
 Nakajima, Maiko. *See* Yamada, Kayoko.
 Nakatani, Hiroko. *See* Serizawa, Shou.
 Nambu, Yukiko; Sugai, Manabu; Gonda, Hiroyuki; Lee, Chung-Gi; Katakai, Tomoya; Agata, Yasutoshi; Yokota, Yoshifumi; Shimizu, Akira: Transcription-coupled events associating with immunoglobulin switch region chromatin. p2137 19 Dec 2003.
 Narumi, Issay. *See* Battista, John R.
 Narusaka, Mari. *See* Yamada, Kayoko.
 Nascimento, Lidia U. *See* Palmer, Lance E.
 Nathan, Carl F. *See* Darwin, K. Heran.
 Nathans, Jeremy. *See* Lyuksyutova, Anna I.
 Navarro, Arcadi; Marqués-Bonet, Tomàs; Barton, N. H.: Response to comment on "Chromosomal speciation and molecular divergence—accelerated evolution in rearranged chromosomes" (technical comment). p988 7 Nov 2003. www.sciencemag.org/cgi/content/full/302/5647/988c.
 Navarro-González, Rafael; Rainey, Fred A.; Molina, Paola; Bagaley, Danielle R.; Hollen, Becky J.; de la Rosa, José; Small, Alanna M.; Quinn, Richard C.; Grunthaner, Frank J.; Cáceres, Luis; Gomez-Silva, Benito; McKay, Christopher P.: Mars-like soils in the Atacama Desert, Chile, and the dry limit of microbial life. p1018 7 Nov 2003.
 Navrotsky, Alexandra. *See* Kubatko, Karrie-Ann Hughes.
 Nazin, G. V.; Qiu, X. H.; Ho, W.: Visualization and spectroscopy of a metal-molecule-metal bridge. p77 3 Oct 2003.
 Nehls, Michael. *See* Svenningsson, Per.
 Nelms, Linda F. *See* Changelian, Paul S.
 Nelson, K. E. *See* Methé, B. A.
 Nelson, W. *See* Methé, B. A.
 Nettles, Meredith. *See* Ekström, Göran.
 NetWatch: Adding life to Bio 101. p205 10 Oct 2003. The animated cell. p1635 5 Dec 2003. Antiviral armory. p757 31 Oct 2003. Baby on board? p2037 19 Dec 2003. Beat search fatigue. p367 17 Oct 2003. Blasts from the past. p205 10 Oct 2003. Blueprint for a heart. p1483 28 Nov 2003. Boost your chemical IQ. p27 3 Oct 2003. Born of splendid isolation. p27 3 Oct 2003. Bo-

- tanical bounty blossoms. p961 7 Nov 2003. The brain's genetic geography. p1125 14 Nov 2003. Bunk buster. p27 3 Oct 2003. California quaking. p1125 14 Nov 2003. Catalog of close shaves. p1125 14 Nov 2003. Chlamy home base. p2037 19 Dec 2003. Down-to-Earth teaching. p1483 28 Nov 2003. Enter the termitarium. p541 24 Oct 2003. Environmental trendspotting. p1871 12 Dec 2003. The facts of life and death. p541 24 Oct 2003. Fire in the sky. p961 7 Nov 2003. Fire spotting. p1305 21 Nov 2003. Forest in a box. p1635 5 Dec 2003. Gauging the world's liquid assets. p1871 12 Dec 2003. G'day, Doc. p2037 19 Dec 2003. Genes at work and at rest. p541 24 Oct 2003. Head counts. p1871 12 Dec 2003. Hot spots for a warming planet. p1871 12 Dec 2003. An inordinate fondness for orchids. p1305 21 Nov 2003. International journal club. p1125 14 Nov 2003. The little molecules that could. p205 10 Oct 2003. Looking for Leonids. p541 24 Oct 2003. Making genetic connections. p961 7 Nov 2003. A map of human variation. p1305 21 Nov 2003. Mars, we have returned. p2037 19 Dec 2003. Math megalibrary. p541 24 Oct 2003. Microbial genomes galore. p367 17 Oct 2003. Molecular who's who. p1483 28 Nov 2003. NIH tests first e-grants. p757 31 Oct 2003. No-spill chemistry lab. p961 7 Nov 2003. Numbers crunched while you wait. p367 17 Oct 2003. One-stop biomedical search. p1483 28 Nov 2003. Portal to EPA science. p1635 5 Dec 2003. Publicity hounds and shutterbugs. p1483 28 Nov 2003. Science in the public eye. p27 3 Oct 2003. Searching for life less ordinary. p961 7 Nov 2003. Secrets of the stones. p757 31 Oct 2003. Silicon psychology. p1125 14 Nov 2003. Star crossed. p367 17 Oct 2003. Statistics starter kit. p1635 5 Dec 2003. The sweet story of insulin. p757 31 Oct 2003. Test your science prescience. p367 17 Oct 2003. Viral target practice. p2037 19 Dec 2003. Virtual bug collection. p1635 5 Dec 2003. When proteins go awry. p205 10 Oct 2003. The world of DNA. p1305 21 Nov 2003.
- Neumann, Harald. *See* Kempermann, Gerd.
Neurath, K. *See* Giot, L.
Neves, Ana Rute. *See* Anderson, Rozalyn M.
New York Breast Cancer Study Group, The. *See* King, Mary-Claire.
Neben, Albert. *See* Mechsner, Franz.
Newman, Brent D. *See* Walvoord, Michelle A.
Newman, Marah J. H. *See* Pandolfi, John M.
News and editorial staffs, the: Areas to watch in 2004. p2040 19 Dec 2003. The runners-up. p2039 19 Dec 2003. Scorecard 2002. p2041 19 Dec 2003.
Newville, Matthew. *See* Mao, Wendy L.
Ng, Huck-Hui. *See* Fortunel, Nicolas O.
Nguyen, Anhco. *See* Manke, Isaac A.
Nguyen, M. D. *See* Clement, A. M.
Nguyen, Michelle. *See* Yamada, Kayoko.
Ni, Binhui. *See* Zhou, Yan.
Nicolson, Teresa. *See* Söllner, Christian.
Nielsen, Rasmus. *See* Clark, Andrew G.
Nieva, Jorge. *See* Wentworth, Paul, Jr.
Nitabach, Michael N.: How would a cable science network work? (letter). p53 3 Oct 2003.
Nobrega, Marcelo A.; Ovcharenko, Ivan; Afzal, Veena; Rubin, Edward M.: Scanning human gene deserts for long-range enhancers. p413 17 Oct 2003.
Nolan, Michael C. *See* Chesley, Steven R.
Nomikos, George G. *See* Svenningsson, Per.
Norby, Richard J. *See* Matamala, Roser.
Nordlander, P. *See* Prodan, E.
Nori, Franco. *See* Villegas, J. E.
Normile, Dennis (news): Arctic is first call for new global program. p1878 12 Dec 2003. He's writing the book on the mouse genome. p217 10 Oct 2003. Loss of Japanese satellite narrows window on world climate. p1131 14 Nov 2003. New Chinese center marks a coming of age for field. p559 24 Oct 2003. New telescope in Hawaii is big step up for Taiwan. p1313 21 Nov 2003. Proton guns set their sights on taming radioactive wastes. p379 17 Oct 2003. SARS experts want labs to improve safety practices. p31 3 Oct 2003. Tailor-made weather forecasts help star-gazers look ahead. p1319 21 Nov 2003.
Normile, Dennis. *See* Enserink, Martin.
Norris, Carol. *See* Wilkinson, Mike J.
Nunnari, Jodi. *See* Osteryoung, Katherine W.
Nuno, Daniel W. *See* Chen, Chien-Chang.
Nussbaum, R. *See* Singleton, A. B.
Nyström, M. *See* Hughes, T. P.
Nystul, Todd G.; Goldmark, Jesse P.; Padilla, Pamela A.; Roth, Mark B.: Suspended animation in *C. elegans* requires the spindle checkpoint. p1038 7 Nov 2003.
- ## O, P, and Q
- Oakeley, Edward J. *See* Gstaiger, Matthias.
Ody, Chrystèle. *See* Koehlin, Etienne.
Ogasawara, Naotake. *See* Ashida, Hiroki.
Ogasawara, Takeshi. *See* Fang, Zhong.
Ogunjimi, Abiodun A. *See* Wang, Hong-Rui.
Okamoto, Mamoru. *See* Guo, Fang-Qing.
Okamura, Hitoshi. *See* Matsuo, Takuya. *See also* Yamaguchi, Shun.
Okura, Ryusuke. *See* Yamaguchi, Shun.
Olby, Robert: review of *The Third Man of the Double Helix*, by Maurice Wilkins. p2071 19 Dec 2003.
Onoa, G. Bibiana. *See* Zheng, Ming.
Onodera, Courtney S. *See* Yamada, Kayoko.
Ooi, C. E. *See* Giot, L.
Ooi, Steen K. T. *See* Walmsley, Marita J.
O'Riordan, Mary; Moors, Marlina A.; Portnoy, Daniel A.: *Listeria* intracellular growth and virulence require host-derived lipoic acid. p462 17 Oct 2003.
Orlitsky, Alon; Santhanam, Narayana P.; Zhang, Junan: Always good Turing: asymptotically optimal probability estimation. p427 17 Oct 2003.
Orrit, Michel: The motions of an enzyme soloist (perspective). p239 10 Oct 2003.
Osborn, Alexander J. *See* McGuire, Sean E.
Osborne, C. S. *See* Hacin-Bey-Abina, S.
O'Shaughnessy, Andrew L. *See* Palmer, Lance E.
O'Shea, John J. *See* Changelian, Paul S.
Oster, George. *See* Mogilner, Alex.
Osteryoung, Katherine W. and Nunnari, Jodi: The division of endosymbiotic organelles. p1698 5 Dec 2003.
Ostro, Steven J. *See* Campbell, Donald B. *See also* Chesley, Steven R.
Ostrom, Elinor. *See* Dietz, Thomas.
Otu, Hasan H. *See* Fortunel, Nicolas O.
Outeiro, Tiago Fleming. *See* Willingham, Stephen.
Outeiro, Tiago Fleming and Lindquist, Susan: Yeast cells provide insight into alpha-synuclein biology and pathobiology. p1772 5 Dec 2003.
Ovcharenko, Ivan. *See* Nobrega, Marcelo A.
Ozdamar, Barish. *See* Wang, Hong-Rui.
Ozin, Geoffrey A. *See* Landskron, Kai.
Pääbo, Svante. *See* Jaenicke-Després, Viviane.
Padilla, Pamela A. *See* Nystul, Todd G.
Pagliarini, Raymond A. and Xu, Tian: A genetic screen in *Drosophila* for metastatic behavior. p1227 14 Nov 2003.
Painter, Oskar. *See* Colombelli, Raffaele.
Pak, Daniel T. S. and Sheng, Morgan: Targeted protein degradation and synapse remodeling by an inducible protein kinase. p1368 21 Nov 2003.
Palm, Curtis J. *See* Yamada, Kayoko.
Palmer, Anne S. *See* Curran, Mark A. J.
Palmer, Lance E.; Rabinowicz, Pablo D.; O'Shaughnessy, Andrew L.; Balija, Vivekanand S.; Nascimento, Lidia U.; Dike, Sujit; de la Bastide, Melissa; Martienssen, Robert A.; McCombie, W. Richard: Maize genome sequencing by methylation filtration. p2115 19 Dec 2003.
Palmer, Theo D. *See* Monje, Michelle L.
Palumbi, S. R. *See* Hughes, T. P.
Pandolfi, J. M. *See* Hughes, T. P.
Pandolfi, John M.; Bradbury, Roger H.; Sala, Enric; Hughes, Terence P.; Bjornald, Karen A.; Cooke, Richard G.; McArdle, Deborah; McClenachan, Loren; Newman, Marah J. H.; Paredes, Gustavo; Warner, Robert R.; Jackson, Jeremy B. C.: Causes of coral reef degradation (letter). p1502 28 Nov 2003.
Paniagua, Ricardo. *See* Changelian, Paul S.
Panksepp, Jaak: Feeling the pain of social loss (perspective). p237 10 Oct 2003.
Papa, Feroz R.; Zhang, Chao; Shokat, Kevan; Walter, Peter: Bypassing a kinase activity with an ATP-competitive drug. p1533 28 Nov 2003.
Papageorgopoulos, Dimitrios C. *See* Beck, Rainer D.
Papon, Pierre: European Union R&D spending (letter). p565 24 Oct 2003.
Paredes, Gustavo. *See* Pandolfi, John M.
Park, Donghyun. *See* Kim, Daesoo.
Parsons, J. Thomas. *See* Ridley, Anne J.
Paul, Ariel. *See* Gibson, Emily A.
Paul, Sarah M. and Beitel, Greg J.: Tubulogenesis CLICs into place (perspective). p2077 19 Dec 2003.
Paul, Steven M. *See* Zhou, Yan.
Paulsen, I. T. *See* Methé, B. A.
Pauly, Daniel; Alder, Jackie; Bennett, Elena; Christensen, Villy; Tyedmers, Peter; Watson, Reg: The future for fisheries. p1359 21 Nov 2003.
Pawliuk, R. *See* Hacin-Bey-Abina, S.
Payne, Tony. *See* Shepherd, Andrew.
Paz, Juan Pablo: Randomness in quantum computation (perspective). p2076 19 Dec 2003.
Peakall, Rod. *See* Schiestl, Florian P.
Pearce, Erika L.; Mullen, Alan C.; Martins, Gislaine A.; Krawczyk, Connie M.; Hutchins, Anne S.; Zediak, Valerie P.; Banica, Monica; DiCioccio, Catherine B.; Gross, Darrick A.; Mao, Chai-an; Shen, Hao; Cereb, Nezhir; Yang, Soo Y.; Lindsten, Tullia; Rossant, Janet; Hunter, Christopher A.; Reiner, Steven L.: Control of effector CD8⁺ T cell function by the transcription factor *Eomesodermin*. p1041 7 Nov 2003.
Pearl, John C. *See* Hoefen, Todd M.
Peiris, J. S. M. *See* Guan, Y.
Pennisi, Elizabeth (news): Chimp genome draft online. p1876 12 Dec 2003. Fast friends, sworn enemies. p774 31 Oct 2003. Genome comparisons hold clues to human evolution. p1876 12 Dec 2003. Outside agitators alter wasp behavior. p372 17 Oct 2003. Tracing life's circuitry. p1646 5 Dec 2003. The ultimate gene gizmo: humanity on a chip. p211 10 Oct 2003. Venter cooks up a synthetic genome in record time. p1307 21 Nov 2003.
Pereira, Gislene and Schiebel, Elmar: Separate regulates INCENP-Aurora B anaphase spindle function through Cdc14. p2120 19 Dec 2003.
Peres, Carlos A.; Baider, Claudia; Zuidema, Pieter A.; Wadt, Lúcia H. O.; Kainer, Karen A.; Gomes-Silva, Daisy A. P.; Salomão, Rafael P.; Simões, Luciana L.; Franciosi, Eduardo R. N.; Valverde, Fernando Cornejo; Gribel, Rogério; Shepard, Glenn H., Jr.; Kanashiro, Milton; Coventry, Peter; Yu, Douglas W.; Watkinson, Andrew R.; Freckleton, Robert P.: Demographic threats to the sustainability of Brazil nut exploitation. p2112 19 Dec 2003.
Perovic, Doug D. *See* Landskron, Kai.
Perry, Bret D. *See* Changelian, Paul S.

- Pertea, G. *See* Whitelaw, C. A.
 Petaev, Michail I. *See* Basu, Asish R.
 Peter, Matthias. *See* Gstaiger, Matthias.
 Peterson, Charles H.; Rice, Stanley D.; Short, Jeffrey W.; Esler, Daniel; Bodkin, James L.; Ballachev, Brenda E.; Irons, David B.: Long-term ecosystem response to the Exxon Valdez oil spill. p2082 19 Dec 2003.
 Petrizzo, Maria Rose. *See* Zachos, James C.
 Petro, James B. and Relman, David A.: Understanding threats to scientific openness. p1898 12 Dec 2003.
 Petrunin, V. V. *See* Hornekar, L.
 Peucker-Ehrenbrink, B. *See* Ravizza, G.
 Peuralinna, T. *See* Singleton, A. B.
 Pham, Paul. *See* Yamada, Kayoko.
 Philipp, Fritz. *See* Zhang, Zaoli.
 Phillips, Fred M. *See* Walvoord, Michelle A.
 Phillips, Katrina L. *See* Curran, Mark A. J.
 Phillips, Philip and Dalidovich, Denis: The elusive Bose metal. p243 10 Oct 2003.
 Piasetzky, Eli. *See* Finkelstein, Israel.
 Pielke, Roger A., Jr.; Klein, Roberta; Maricle, Genevieve; Chase, Thomas: Hydrogen cars and water vapor (letter). p1329 21 Nov 2003.
 Pieters, Jean and Ploegh, Hidde: Chemical warfare and mycobacterial defense (perspective). p1900 12 Dec 2003.
 Pilgrim, Dave. *See* Prahlad, Veena.
 Ploegh, Hidde. *See* Pieters, Jean.
 Plon, Sharon E. *See* Levy-Lahad, Ephrat.
 Plump, Andrew S. *See* Inatani, Masaru.
 Plutzky, Jorge: PPARs as therapeutic targets: reverse cardiology? (perspective). p406 17 Oct 2003.
 Pochart, P. *See* Giot, L.
 Poon, L. L. M. *See* Guan, Y.
 Poreda, Robert J. *See* Basu, Asish R.
 Porter, Theodore M.: review of *Masters of Theory*, by Andrew Warwick. p569 24 Oct 2003.
 Portney, Paul R. *See* Chow, Jeffrey.
 Portnoy, Daniel A. *See* O'Riordan, Mary.
 Povich, Matthew S.; Raymond, John C.; Jones, Geraint H.; Uzzo, Michael; Ko, Yuan-Kuen; Feldman, Paul D.; Smith, Peter L.; Marsden, Brian G.; Woods, Thomas N.: Doubly ionized carbon observed in the plasma tail of comet Kudo-Fujikawa. p1949 12 Dec 2003.
 Powell, Jeffrey R. *See* Beheregaray, Luciano B.
 Prabhakar, Rethinasamy. *See* Gu, Yi.
 Prahlad, Veena; Pilgrim, Dave; Goodwin, Elizabeth B.: Roles for mating and environment in *C. elegans* sex determination. p1046 7 Nov 2003.
 Prather, Michael J.: An environmental experiment with H₂? (perspective). p581 24 Oct 2003.
 Precht, William F. *See* Aronson, Richard B.
 Premoli-Silva, Isabella. *See* Zachos, James C.
 Preston, Leigh A.; Creager, Kenneth C.; Crosson, Robert S.; Brocher, Thomas M.; Trehu, Anne M.: Intraslab earthquakes: dehydration of the Cascadia slab. p1197 14 Nov 2003.
 Pretty, Jules: Social capital and the collective management of resources. p1912 12 Dec 2003.
 Prinz, C. *See* Hacein-Bey-Abina, S.
 Proctor, Robert N.: review of *The Hedgehog, the Fox, and the Magister's Pox*, by Stephen Jay Gould. p785 31 Oct 2003.
 Prodan, E.; Radloff, C.; Halas, N. J.; Nordlander, P.: A hybridization model for the plasmon response of complex nanostructures. p419 17 Oct 2003.
 Prospero, Joseph M. and Lamb, Peter J.: African droughts and dust transport to the Caribbean: climate change implications. p1024 7 Nov 2003.
 Prouty, Sally J. *See* Chen, Chien-Chang.
 Pyle, Elizabeth Hammond. *See* Saleska, Scott R.
 Pylypenko, Olena. *See* Rak, Alexey.
 Qiu, X. H. *See* Nazin, G. V.
 Quach, Hong L. *See* Yamada, Kayoko.
 Quackenbush, J. *See* Whitelaw, C. A.
 Quackenbush, John: Microarrays—guilt by association (perspective). p240 10 Oct 2003.
 Quinn, Richard C. *See* Navarro-González, Rafael.
- ## R
- Rabbitts, T. H. *See* Hacein-Bey-Abina, S.
 Raber, Ellen. *See* Fitch, J. Patrick.
 Rabinowicz, Pablo D. *See* Palmer, Lance E.
 Rachleff, Ilan. *See* Svenningsson, Per.
 Radford-Weiss, I. *See* Hacein-Bey-Abina, S.
 Radloff, C. *See* Prodan, E.
 Radman, Miroslav. *See* Battista, John R.
 Raff, Hershel: A suggestion for the multiple author issue (letter). p55 3 Oct 2003.
 Rainey, Fred A. *See* Navarro-González, Rafael.
 Rak, Alexey; Pylypenko, Olena; Durek, Thomas; Watzke, Anja; Kushnir, Susanna; Brunsveld, Lucas; Waldmann, Herbert; Goody, Roger S.; Alexandrov, Kirill: Structure of Rab GDP-dissociation inhibitor in complex with prenylated YPT1 GTPase. p646 24 Oct 2003.
 Racic, Pasko. *See* Li, Ming O.
 Ramalho-Santos, Miguel. *See* Ivanova, Natalia B.
 Ramanathan, V. *See* Crutzen, Paul J.
 Rando, Thomas A. *See* Conboy, Irina M.
 Random Samples: Analyze this. p225 10 Oct 2003.
 Arabs online. p777 31 Oct 2003. Are these still good? p1655 5 Dec 2003. Asia catching up on greenhouse effect. p1325 21 Nov 2003. Back to school. p983 7 Nov 2003. Back to sea. p1501 28 Nov 2003. Baghdad battle. p225 10 Oct 2003. Big league. p389 17 Oct 2003. Bioscience in Nairobi. p1325 21 Nov 2003. Bio-utopia. p561 24 Oct 2003. Brainy bobble head. p777 31 Oct 2003. Bronze Age star chart. p1500 28 Nov 2003. But is it art? p1890 12 Dec 2003. Canopy of troubles. p389 17 Oct 2003. A cautionary tail. p1657 5 Dec 2003. Chaco corn import. p561 24 Oct 2003. Coast to coast. p563 24 Oct 2003. Cold comfort. p2065 19 Dec 2003. Cosmic wall. p777 31 Oct 2003. Cyrillic riddle solved. p224 10 Oct 2003. Data overload. p1325 21 Nov 2003. A day to remember. p1891 12 Dec 2003. Death takes an MRI. p1890 12 Dec 2003. Did FDR have Guillain-Barré? p981 7 Nov 2003. Engaging young minds. p1327 21 Nov 2003. Euro excellence. p1147 14 Nov 2003. Ewe look familiar. p1500 28 Nov 2003. Explaining science. p389 17 Oct 2003. Extended shelf life. p1147 14 Nov 2003. Familiar names. p779 31 Oct 2003. Family reunion. p1500 28 Nov 2003. Feathers fly at Ig Nobel ceremony. p387 17 Oct 2003. Fisheye view. p563 24 Oct 2003. Fresh blood. p983 7 Nov 2003. From these parts. p225 10 Oct 2003. Fussy eating in the genes. p561 24 Oct 2003. Gangbusters. p1147 14 Nov 2003. Generation gap. p1657 5 Dec 2003. Getting into a Cassowary's head. p981 7 Nov 2003. Giving the peace institute a chance. p1145 14 Nov 2003. Going north. p1891 12 Dec 2003. Good chemistry. p1501 28 Nov 2003. Great shakes. p1891 12 Dec 2003. Hanging it up. p1657 5 Dec 2003. A hard road to mental health. p1145 14 Nov 2003. Harvest time. p2065 19 Dec 2003. The heat's on for vintners. p1145 14 Nov 2003. High-powered post. p779 31 Oct 2003. Homegrown. p225 10 Oct 2003. Homeward bones. p1145 14 Nov 2003. I'll shrink to that. p2064 19 Dec 2003. In the news. p1147 14 Nov 2003. Inward gaze. p51 3 Oct 2003. Iraqi shakeup. p389 17 Oct 2003. Keeping it real. p1657 5 Dec 2003. Lifelines. p983 7 Nov 2003. Lifetime of service. p779 31 Oct 2003. Limits to fitness. p561 24 Oct 2003. Living on the edge. p1501 28 Nov 2003. Logical next step. p2065 19 Dec 2003. Lower risk. p1891 12 Dec 2003. Meteor raises a stir in India. p224 10 Oct 2003. Methyl mapping. p387 17 Oct 2003. Mind's eye. p51 3 Oct 2003. Minority views? p563 24 Oct 2003. Misplaced words. p1327 21 Nov 2003. Money savers. p51 3 Oct 2003. Money talks. p51 3 Oct 2003. Name that discipline. p51 3 Oct 2003. New *Cell* editor. p225 10 Oct 2003. No strings. p1657 5 Dec 2003. No strings attached. p779 31 Oct 2003. The not-so-slippery slopes. p1890 12 Dec 2003. Opposites attract. p49 3 Oct 2003. Physics throws sluggers a curve. p1655 5 Dec 2003. Pioneers. p563 24 Oct 2003. Plankton in the tank. p387 17 Oct 2003. Please, don't get up. p1655 5 Dec 2003. Policy failure. p563 24 Oct 2003. Posttrauma counseling questioned. p49 3 Oct 2003. The price of honor. p2065 19 Dec 2003. Problem solved. p1655 5 Dec 2003. Pulled away. p1327 21 Nov 2003. A richer blend. p1147 14 Nov 2003. Ritual plant atlas. p981 7 Nov 2003. Scared to death. p2064 19 Dec 2003. Setting the table. p983 7 Nov 2003. Silent night. p389 17 Oct 2003. Singapore CEO. p1327 21 Nov 2003. Sorry, can't stop. p2064 19 Dec 2003. Stop sign. p983 7 Nov 2003. Stradivari's secret. p2064 19 Dec 2003. A stretch? p779 31 Oct 2003. Student par excellence. p1501 28 Nov 2003. Tattling tails. p1325 21 Nov 2003. Testing testosterone. p1500 28 Nov 2003. Thompson rattles the Corps. p49 3 Oct 2003. Thrown off track. p2065 19 Dec 2003. Towering figure. p1501 28 Nov 2003. Tunnel vision. p1890 12 Dec 2003. Uncorrected opinion. p777 31 Oct 2003. Walk the dog. p224 10 Oct 2003. Weathering Washington. p1327 21 Nov 2003. What a blink tells. p387 17 Oct 2003. Winos on the rise in Britain. p224 10 Oct 2003.
 Rappuoli, Rino. *See* Eickmann, Markus.
 Rappuoli, Rino and Covacci, Antonello: Reverse vaccinology and genomics. p602 24 Oct 2003.
 Rapson, Rip. *See* Conway, Gordon.
 Ravallec, Marc. *See* Varaldi, Julien.
 Ravizza, G. and Peucker-Ehrenbrink, B.: Chemostratigraphic evidence of Deccan volcanism from the marine osmium isotope record. p1392 21 Nov 2003.
 Raychaudhuri, Subhadip. *See* Lee, Kyeong-Hee.
 Raymond, John C. *See* Povich, Matthew S.
 Raymond, Peter and Cole, Jon: Alkalinity export and carbon balance (letter). p985 7 Nov 2003.
 Raymond, Peter and Cole, Jon: Increased alkalinity in the Mississippi (letter). p985 7 Nov 2003.
 Rebagliati, Michael. *See* Horne-Badovinac, Sally.
 Rech, Ivan. *See* Yang, Haw.
 Reed, Randall R. *See* Lewcock, Joseph W.
 Reiner, Steven L. *See* Pearce, Erika L.
 Reitz, Bruce. *See* Changelian, Paul S.
 Relman, David A. *See* Petro, James B.
 Renard, Jean-Paul. *See* Zhou, Qi.
 Renzulli, R. *See* Giot, L.
 Resnick, A. *See* Whitelaw, C. A.
 Reymond, Alexandre. *See* Dermitzakis, Emmanouil T.
 Reynolds, Lucinda F. *See* Walmsley, Marita J.
 Rice, Amy H. *See* Saleska, Scott R.
 Rice, Charles M. *See* Grakoui, Arash.
 Rice, Stanley D. *See* Peterson, Charles H.
 Ridgwell, Andy J.; Kennedy, Martin J.; Caldeira, Ken: Carbonate deposition, climate stability, and Neoproterozoic ice ages. p859 31 Oct 2003.
 Ridley, Anne J.; Schwartz, Martin A.; Burrige, Keith; Firtel, Richard A.; Ginsberg, Mark H.; Borisy, Gary; Parsons, J. Thomas; Horwitz, Alan Rick: Cell migration: integrating signals from front to back. p1704 5 Dec 2003.
 Riedl, S. *See* Jochim, S.
 Riedmuller, S. *See* Whitelaw, C. A.
 Riekel, Christian. *See* Söllner, Christian.
 Rignot, Eric; Rivera, Andrés; Casassa, Gino: Contribution of the Patagonia Icefields of South America to sea level rise. p434 17 Oct 2003.

Ringler, Philippe and Schulz, Georg E.: Self-assembly of proteins into designed networks. p106 3 Oct 2003.

Risch, Neil. *See* Merikangas, Kathleen Ries.

Riveau, Béatrice. *See* Dahan, Maxime.

Rivera, Andrés. *See* Rignot, Eric.

Rizzo, Thomas R. *See* Beck, Rainer D.

Rizzuti, Bonnie J. *See* Changelian, Paul S.

Roberts, Callum M. *See* Chivian, Eric.

Roberts, E. A. *See* Clement, A. M.

Roberts, Leslie. *See* Jasny, Barbara R.

Roberts, Thomas M. *See* Miao, Long.

Robinson, Gene E. *See* Whitfield, Charles W.

Rodhe, Henning. *See* Anderson, Theodore L.

Roe, Anna W. *See* Chen, Li M.

Roemer, Gary. *See* Courchamp, Franck.

Rogers, Caroline S. *See* Aronson, Richard B.

Rogers, Robin D. and Seddon, Kenneth R.: Ionic liquids—solvents of the future? (perspective). p792 31 Oct 2003.

Romana, S. *See* Haccin-Bey-Abina, S.

Romero, C. *See* Methé, B. A.

Rosegrant, Mark W. and Cline, Sarah A.: Global food security: challenges and policies. p1917 12 Dec 2003.

Rosen, B. *See* Hughes, T. P.

Rosenlof, Karen H.: How water enters the stratosphere (perspective). p1691 5 Dec 2003.

Rossant, Janet. *See* Pearce, Erika L.

Rosser, Sue V.: review of *Women in Science*, by Yu Xie and Kimberlee A. Shauman. p1506 28 Nov 2003.

Rossier, Colette. *See* Dermitzakis, Emmanouil T.

Rossmann, Michael G. *See* Mukhopadhyay, Suchetana.

Rostaing, Philippe. *See* Dahan, Maxime.

Roszak, Aleksander W.; Howard, Tina D.; Southall, June; Gardiner, Alastair T.; Law, Christopher J.; Isaacs, Neil W.; Cogdell, Richard J.: Crystal structure of the RC-LHI core complex from *Rhodospseudomonas palustris*. p1969 12 Dec 2003.

Roth, Mark B. *See* Nystul, Todd G.

Rothberg, J. M. *See* Giot, L.

Roughgarden, J. *See* Hughes, T. P.

Royet, Julien. *See* Gobert, Vanessa.

Rubin, Edward M. *See* Nobrega, Marcelo A.

Rudnick, Daniel L. *See* Shcherbina, Andrey Y.

Ruefli-Brasse, Astrid A.; French, Dorothy M.; Dixit, Vishva M.: Regulation of NF- κ B-dependent lymphocyte activation and development by paracaspase. p1581 28 Nov 2003.

Ruf, Sandra. *See* Walmsley, Marita J.

Ruggiu, Matteo. *See* Ule, Jernej.

Rühle, Manfred. *See* Zhang, Zaoli.

Rule, M. *See* Clement, A. M.

Ruocco, Giancarlo. *See* Scopigno, Tullio.

Russell, Michael John: The importance of being alkaline (perspective). p580 24 Oct 2003.

Rutschmann, Sophie. *See* Gobert, Vanessa.

Ryan, Chris G. *See* Harris, Anthony C.

Ryder, John W. *See* Zhou, Yan.

S

Saito, Michiko. *See* Serizawa, Shou.

Saito, Y. David. *See* Liu, Haibo.

Saito, Yohtarō. *See* Ashida, Hiroki.

Sakai, Hiroaki. *See* Lee, Soo Jae.

Sakano, Hitomi. *See* Yamada, Kayoko.

Sakano, Hitoshi. *See* Serizawa, Shou.

Sakmann, Bert. *See* Silver, R. Angus.

Sakurai, Tetsuya. *See* Yamada, Kayoko.

Sala, Enric. *See* Pandolfi, John M.

Salamini, Francesco: Hormones and the green revolution (perspective). p71 3 Oct 2003.

Saleska, Scott R.; Miller, Scott D.; Matross, Daniel M.; Goulden, Michael L.; Wofsy, Steven C.; da Rocha, Humberto R.; de Camargo, Plinio B.; Crill,

Patrick; Daube, Bruce C.; de Freitas, Helber C.; Hutrya, Lucy; Keller, Michael; Kirchhoff, Volker; Menton, Mary; Munger, J. William; Pyle, Elizabeth Hammond; Rice, Amy H.; Silva, Hudson: Carbon in Amazon forests: unexpected seasonal fluxes and disturbance-induced losses. p1554 28 Nov 2003.

Salières, P. *See* Mairesse, Y.

Salomão, Rafael P. *See* Peres, Carlos A.

Salomé, Patrice A. *See* Michael, Todd P.

Saltarelli, Mary J. *See* Changelian, Paul S.

Samsonidze, Georgii G. *See* Zheng, Ming.

Sanjuán, Rafael. *See* Elena, Santiago F.

SanMiguel, P. *See* Whitelaw, C. A.

Santhanam, Narayana P. *See* Orliitsky, Alon.

Santos, Adelina P. *See* Zheng, Ming.

Santos, Helena. *See* Anderson, Rozalyn M.

Santos, Ralph. *See* Johnson, Jason M.

Sappol, Michael: The anatomical mission to Burma (essays on science and society). p232 10 Oct 2003.

Saraceno, Marcos. *See* Emerson, Joseph.

Saravanan, R. *See* Giannini, A.

Sarkisian, Matthew R. *See* Li, Ming O.

Satou, Masakazu. *See* Yamada, Kayoko.

Savel'ev, Sergey. *See* Villegas, J. E.

Saven, Alan. *See* Wentworth, Paul, Jr.

Savill, John; Gregory, Chris; Haslett, Chris: Eat me or die (perspective). p1516 28 Nov 2003.

Savolainen, Vincent and Chase, Mark W.: Europe's fight for the tree of life (letter). p1894 12 Dec 2003.

Sawyer, Perry S. *See* Changelian, Paul S.

Scamuffa, Nathalie. *See* Dermitzakis, Emmanouil T.

Scarselli, Maria. *See* Eickmann, Markus.

Schadt, Eric E. *See* Johnson, Jason M.

Schall, Jeffrey D. *See* Ito, Shigehiko.

Schaniel, Christoph. *See* Ivanova, Natalia B.

Schapiro, Morton Owen. *See* McPherson, Michael S.

Scherer, Siegfried. *See* Loewe, Laurence.

Schibler, Ueli: Liver regeneration clocks on (perspective). p234 10 Oct 2003.

Schiebel, Elmar. *See* Pereira, Gislene.

Schiestl, Florian P.; Peakall, Rod; Mant, Jim G.; Ibarra, Fernando; Schulz, Claudia; Franke, Stephan; Francke, Wittko: The chemistry of sexual deception in an orchid-wasp pollination system. p437 17 Oct 2003.

Schilling, Govert (news): Asteroid returns 66 years after a close brush with Earth. p546 24 Oct 2003.

Gamma ray satellite sees out first year with a bang. p2051 19 Dec 2003.

Japan 'hopes' to avoid crash of ill-fated Mars probe. p1313 21 Nov 2003.

Schilling, Lisa M. *See* Dellavalle, Robert P.

Schlesinger, William H. *See* Matamala, Roser.

Schmid, Mathieu. *See* Beck, Rainer D.

Schmidt, M. *See* Haccin-Bey-Abina, S.

Schreiber, Stuart L. *See* Burke, Martin D.

Schubert, K. *See* Whitelaw, C. A.

Schultz, Martin G.; Diehl, Thomas; Brasseur, Guy P.; Zittel, Werner: Air pollution and climate-forcing impacts of a global hydrogen economy. p624 24 Oct 2003.

Schulz, Claudia. *See* Schiestl, Florian P.

Schulz, Georg E. *See* Ringler, Philippe.

Schütz, Günther. *See* Marsicano, Giovanni.

Schwartz, Martin A. *See* Ridley, Anne J.

Schwartz, Stephen E. *See* Anderson, Theodore L.

Schwarz, Heinz. *See* Söllner, Christian.

ScienceScope: BU, Galveston win big in biosafety building boom. p33 3 Oct 2003.

Budget battle drags on, and the news isn't good. p33 3 Oct 2003.

Budget protests in Italy. p373 17 Oct 2003.

Burning issue for Congress. p967 7 Nov 2003.

Canada goes underground. p1641 5 Dec 2003.

Canada's new science adviser. p2049 19 Dec 2003.

Caution urged on White House peer review policy. p1489

28 Nov 2003.

CGIAR goes with the grain. p967 7 Nov 2003.

Climate bill defeated. p965 7 Nov 2003.

Congress moves to write human patent ban into law. p1639 5 Dec 2003.

Congress probes Harvard molecular lab contract. p1133 14 Nov 2003.

DOE gets slight increase. p1487 28 Nov 2003.

E.U. told to focus on space. p1129 14 Nov 2003.

France unveils R&D budget. p31 3 Oct 2003.

Funding system needs fix, says Royal Society. p1311 21 Nov 2003.

Gates gives \$25 million for research on nutritious crops. p371 17 Oct 2003.

Geophysicists warn on climate. p2049 19 Dec 2003.

German agency plans misconduct database. p1309 21 Nov 2003.

Germany aids sub salvage. p547 24 Oct 2003.

Good and bad news from Iraq. p1133 14 Nov 2003.

Harvard's expanding universe. p761 31 Oct 2003.

Indian minister returns. p31 3 Oct 2003.

Infectious-disease grantees face cuts. p1877 12 Dec 2003.

Iraqi marsh muddle. p211 10 Oct 2003.

Last lap for choice of ITER site? p1877 12 Dec 2003.

Leavitt takes EPA reins. p763 31 Oct 2003.

Livermore settles bias suit. p1641 5 Dec 2003.

Missouri switcheroo. p1131 14 Nov 2003.

More cuts expected at NATO. p1309 21 Nov 2003.

More SNPs in the pool. p371 17 Oct 2003.

Nanotech wins big. p1487 28 Nov 2003.

NATO asked to silence sonar. p547 24 Oct 2003.

Neuroscientist reprimanded. p763 31 Oct 2003.

Next step is an orbiting lab. p545 24 Oct 2003.

NIH, Congress to investigate consulting fees. p1875 12 Dec 2003.

Nobels next week. p211 10 Oct 2003.

NRC: cooperate on Klamath. p547 24 Oct 2003.

Oxford professor suspended. p761 31 Oct 2003.

Pediatric rule restored. p1487 28 Nov 2003.

Project rank rankles Japanese Nobelists. p545 24 Oct 2003.

Rescue proposed for great apes. p1875 12 Dec 2003.

Revised view on embryos. p965 7 Nov 2003.

Russia retreats from Kyoto. p31 3 Oct 2003.

Senate bars gene bias. p373 17 Oct 2003.

Spanish science taking the slow boat? p209 10 Oct 2003.

Stem cell groups fret over patent amendment. p1311 21 Nov 2003.

TESLA gets Russian help. p1489 28 Nov 2003.

Tracking hidden DNA gems. p373 17 Oct 2003.

A tussle over salt data. p31 3 Oct 2003.

Two societies join editing ban. p1639 5 Dec 2003.

U.K. needs darker skies. p209 10 Oct 2003.

U.K. panel blasts government's secrecy on security R&D. p1131 14 Nov 2003.

U.N., E.U. make moves on embryo research. p1129 14 Nov 2003.

USC lands defense center. p1641 5 Dec 2003.

USGS gets budget boost. p965 7 Nov 2003.

Warming up to "One HHS". p211 10 Oct 2003.

Warning on Spanish cell bank. p763 31 Oct 2003.

Scopigno, Tullio; Ruocco, Giancarlo; Sette, Francesco; Monaco, Giulio: Is the fragility of a liquid embedded in the properties of its glass? p849 31 Oct 2003.

Seddon, Kenneth R. *See* Rogers, Robin D.

Seddon, N. and Bearpark, T.: Observation of the inverse Doppler effect. p1537 28 Nov 2003.

Segal, Eran. *See* Stuart, Joshua M.

Seife, Charles: Breakthrough of the Year. p2038 19 Dec 2003.

Seife, Charles (news): At Canada's Perimeter Institute 'Waterloo' means 'Shangri-La'. p1650 5 Dec 2003.

Clearer forecasts for the dismal science. p385 17 Oct 2003.

Competing research teams create long-sought state of matter. p1129 14 Nov 2003.

Cool theories garner super kudos. p384 17 Oct 2003.

Galaxy maps support theory that the universe is flying to pieces. p762 31 Oct 2003.

Perimeter's threefold way. p1651 5 Dec 2003.

Physics tries to leave the tunnel. p36 3 Oct 2003.

Polyhedral model gives the universe an unexpected twist. p209 10 Oct 2003.

Seife, Charles. *See* Mervis, Jeffrey.

Sejnowski, Terrence J. and Bingham, Roger: How

- would a cable science network work? (letter). p53 3 Oct 2003.
- Seki, Motoaki. *See* Yamada, Kayoko.
- Sekimoto, Toshihiro. *See* Lee, Soo Jae.
- Selengut, J. *See* Methé, B. A.
- Selke, Matthias. *See* Ho, David G.
- Semke, Ellen D. *See* Zheng, Ming.
- Sergent, A. Michael. *See* Colombelli, Raffaele.
- Serizawa, Shou; Miyamichi, Kazunari; Nakatani, Hiroko; Suzuki, Misao; Saito, Michiko; Yoshihara, Yoshihiro; Sakano, Hitoshi: Negative feedback regulation ensures the one receptor—one olfactory neuron rule in mouse. p2088 19 Dec 2003.
- Service, Robert F. (news): Arraymaker speeds analyses by months. p47 3 Oct 2003. Critics say new law is a bit thin on science. p1879 12 Dec 2003. Inverse Doppler demonstration ends a 60-year quest. p1489 28 Nov 2003. Molecular scaffolding helps raise a crop of neurons. p46 3 Oct 2003. Nanodevices make fresh strides toward reality. p1310 21 Nov 2003. Next-generation technology hits an early midlife crisis. p556 24 Oct 2003. NRC backs ecosystem-wide changes to save Klamath fish. p765 31 Oct 2003. Public projects gear up to chart the protein landscape. p1316 21 Nov 2003. Report says listings draw on sound science. p35 3 Oct 2003. A sharper focus. p1318 21 Nov 2003.
- Sette, Francesco. *See* Scopigno, Tullio.
- Seyfarth, Robert M. *See* Bergman, Thore J.
- Shafir, M. *See* Wechsler, A.
- Shalev, Eylon. *See* Chavarría, J. Andres.
- Shang-Poa, Chang. *See* Changelian, Paul S.
- Sharma, Ajay K. *See* Minsky, Abraham.
- Sharp, Emily L. *See* Michael, Todd P.
- Shasha, Dennis E. *See* Birnbaum, Kenneth.
- Shattil, Sanford J. *See* Tadokoro, Seiji.
- Shaw, Andrey S. *See* Lee, Kyeong-Hee.
- Shaw, M. Rebecca. *See* Hungate, Bruce A.
- Shaw, Michael W. *See* Wilkinson, Mike J.
- Shcherbina, Andrey Y.; Talley, Lynne D.; Rudnick, Daniel L.: Direct observations of North Pacific ventilation: brine rejection in the Okhotsk Sea. p1952 12 Dec 2003.
- Shen, Hao. *See* Pearce, Erika L.
- Sheng, Morgan. *See* Pak, Daniel T. S.
- Shepard, Glenn H., Jr. *See* Peres, Carlos A.
- Shepherd, Andrew; Wingham, Duncan; Payne, Tony; Skvarca, Pedro: Larsen Ice Shelf has progressively thinned. p856 31 Oct 2003.
- Shetty, Jyoti. *See* Weigel, Linda M.
- Shia, Run-Lie. *See* Eiler, John M. *See also* Eiler, John M.
- Shibata, Yukimasa; Branicky, Robyn; Landaverde, Irene Oviedo; Hekimi, Siegfried: Redox regulation of germline and vulval development in *Caenorhabditis elegans*. p1779 5 Dec 2003.
- Shimizu, Akira. *See* Nambu, Yukiko.
- Shimkets, R. A. *See* Giot, L.
- Shimoda, Fukuko. *See* Matsuo, Takuya.
- Shin, Hee-Sup. *See* Kim, Daesoo.
- Shinn, Eugene A. *See* Aronson, Richard B.
- Shinn, Paul. *See* Yamada, Kayoko.
- Shinozaki, Kazuo. *See* Yamada, Kayoko.
- Shoemaker, Daniel D. *See* Johnson, Jason M.
- Shokat, Kevan. *See* Papa, Feroz R.
- Short, Jeffrey W. *See* Peterson, Charles H.
- Shortridge, K. F. *See* Guan, Y.
- Shoukry, Naglaa H. *See* Grakoui, Arash.
- Shu, Jinfu. *See* Mao, Wendy L.
- Si, Ming-Sing. *See* Changelian, Paul S.
- Siefring, Jamie E. *See* Gu, Yi.
- Siegel, Michael. *See* Doshi, Pankaj.
- Siemens, Jan: The European carbon budget: a gap (letter). p1681 5 Dec 2003.
- Sigaux, F. *See* Hacein-Bey-Abina, S.
- Sigle, Wilfried. *See* Zhang, ZaoLi.
- Sigmund, Curt D. *See* Chen, Chien-Chang.
- Silk, Joan B.; Alberts, Susan C.; Altmann, Jeanne: Social bonds of female baboons enhance infant survival. p1231 14 Nov 2003.
- Silva, Hudson. *See* Saleska, Scott R.
- Silver, R. Angus; Lübke, Joachim; Sakmann, Bert; Feldmeyer, Dirk: High-probability unquantal transmission at excitatory synapses in barrel cortex. p1981 12 Dec 2003.
- Simões, Luciana L. *See* Peres, Carlos A.
- Sims, Tasha N. *See* Lee, Kyeong-Hee.
- Sinclair, David A. *See* Anderson, Rozalyn M.
- Singer, P. A. *See* Varmus, H.
- Singleton, A. *See* Singleton, A. B.
- Singleton, A. B.; Farrer, M.; Johnson, J.; Singleton, A.; Hague, S.; Kachergus, J.; Hulihan, M.; Peuralinna, T.; Dutra, A.; Nussbaum, R.; Lincoln, S.; Crawley, A.; Hanson, M.; Maraganore, D.; Adler, C.; Cookson, M. R.; Muentner, M.; Baptista, M.; Miller, D.; Blacato, J.; Hardy, J.; Gwinn-Hardy, K.: α -Synuclein locus triplication causes Parkinson's disease. p841 31 Oct 2003.
- Sittler, Benoît. *See* Gilg, Olivier.
- Sivan, Uri. *See* Keren, Kinneret.
- Sivco, Deborah L. *See* Colombelli, Raffaele.
- Siveter, David J.; Sutton, Mark D.; Briggs, Derek E. G.; Siveter, Derek J.: An Ostracode crustacean with soft parts from the Lower Silurian. p1749 5 Dec 2003.
- Siveter, Derek J. *See* Siveter, David J.
- Siwek, D. *See* Clement, A. M.
- Sivick, Bradley J.; Dwyer, Jason R.; Jordan, Robert E.; Miller, R. J. Dwayne: An atomic-level view of melting using femtosecond electron diffraction. p1382 21 Nov 2003.
- Skaliter, R. *See* Wechsler, A.
- Skvarca, Pedro. *See* Shepherd, Andrew.
- Small, Alanna M. *See* Navarro-González, Rafael.
- Smit, Patrick. *See* Limpens, Erik.
- Smith, Bruce D. *See* Jaenicke-Després, Viviane.
- Smith, E. J.; Marsden, R. G.; Balogh, A.; Gloeckler, G.; Geiss, J.; McComas, D. J.; McKibben, R. B.; MacDowall, R. J.; Lanzerotti, L. J.; Krupp, N.; Krueger, H.; Landgraf, M.: The Sun and heliosphere at solar maximum. p1165 14 Nov 2003.
- Smith, H. Jesse (news): The shape we're in. p1171 14 Nov 2003.
- Smith, James F. *See* Changelian, Paul S.
- Smith, Janet L. *See* Kurisu, Genji.
- Smith, Jesse. *See* Sugden, Andrew.
- Smith, Kirk R.: Cooking without air pollution (letter). p987 7 Nov 2003.
- Smith, Michael D. *See* Hoefen, Todd M.
- Smith, Orla: review of *Changing the Face of Medicine*, by Helen S. More and Manon Parry, curators. p1508 28 Nov 2003.
- Smith, Peter L. *See* Povich, Matthew S.
- Smith, Susan Harless. *See* Walmsley, Marita J.
- Smythe, Gayle M. *See* Conboy, Irina M.
- Sninsky, John J. *See* Clark, Andrew G.
- Snyder, Michael. *See* Jansen, Ronald.
- Sobolewski, Andrzej L. *See* Domcke, Wolfgang.
- Söllner, Christian; Burghammer, Manfred; Busch-Nentwich, Elisabeth; Berger, Jürgen; Schwarz, Heinz; Riekel, Christian; Nicolson, Teresa: Control of crystal size and lattice formation by Star-maker in otolith biomineralization. p282 10 Oct 2003.
- Solter, Davor. *See* Evsikov, Alexei V.
- Sommer, Suzanne. *See* Battista, John R.
- Song, Hyun Chul. *See* Eickmann, Markus.
- Song, Wenhui; Kinloch, Ian A.; Windle, Alan H.: Nematic liquid crystallinity of multiwall carbon nanotubes. p1363 21 Nov 2003.
- Sorensen, R. *See* Hacein-Bey-Abina, S.
- Soulier, J. *See* Hacein-Bey-Abina, S.
- Southall, June. *See* Roszak, Aleksander W.
- Southwick, Audrey M. *See* Yamada, Kayoko.
- Sparn, G. *See* Yuan, H. Q.
- Spencer, Taylor R. *See* Michael, Todd P.
- Spivak, I. *See* Wechsler, A.
- Spriggs, F. *See* Giot, L.
- Squier, Susan M.: review of *Oryx and Crake*, by Margaret Atwood. p1154 14 Nov 2003.
- Sreenivasan, Aparna (news): In sex reversal, protein deterred by nuclear barrier. p2050 19 Dec 2003.
- Srinivasan, Kartik. *See* Colombelli, Raffaele.
- St George-Hyslop, Peter. *See* Kennedy, James L.
- Stadler, Konrad. *See* Eickmann, Markus.
- Stainier, Didier Y. R. *See* Horne-Badovinac, Sally.
- Stanley, Emily H. *See* Jones, Jeremy B.
- Stanyon, C. A. *See* Giot, L.
- Steglich, F. *See* Yuan, H. Q.
- Stephens, Graeme L. *See* Li, Zhanqing.
- Stern, Paul C. *See* Dietz, Thomas.
- Stern, Peter and Helmuth, Laura (news): Problems and progress. p807 31 Oct 2003.
- Steven, Alasdair C. *See* Grünewald, Kay.
- Stewart, Murray: Nuclear trafficking (perspective). p1513 28 Nov 2003.
- Stewart, Murray. *See* Miao, Long.
- Stimpson, E. *See* Giot, L.
- Stocking, M. A.: Tropical soils and food security: the next 50 years. p1356 21 Nov 2003.
- Stoddard, Barry L. *See* Kuhlman, Brian.
- Stokes, David L. *See* He, Wanzhong.
- Stokstad, Erik (news): Early whales get all wet. p1142 14 Nov 2003. Gutsy fossil sets record for staying the course. p1645 5 Dec 2003. Hulking dinosaurs were buoyant but unseaworthy. p549 24 Oct 2003. Mammal menagerie. p1142 14 Nov 2003. Mastodon gladiators. p1143 14 Nov 2003. Peering into ancient ears. p770 31 Oct 2003. Too much crunching on rainforest nuts? p2049 19 Dec 2003. Unsuspected underground nitrates pose a puzzle for desert ecology. p969 7 Nov 2003. The vitamin D deficit. p1886 12 Dec 2003.
- Stokstad, Erik and Vogel, Gretchen (news): Mixed message could prove costly for GM crops. p542 24 Oct 2003.
- Stone, Richard (news): Building an academic oasis in the Arabian Desert. p1652 5 Dec 2003. Cambridge center wins a round. p1485 28 Nov 2003. Freshwater eels are slip-sliding away. p221 10 Oct 2003. Islamic science is casualty of war on terrorism. p545 24 Oct 2003. Radioactive sources move from a concern to a crisis. p1644 5 Dec 2003. Researchers look west to model new academy. p1644 5 Dec 2003. U.K. mulls military 'safe haven' for embattled center. p1127 14 Nov 2003.
- Stonestrom, David A. *See* Walvoord, Michelle A.
- Stoppa-Lyonnet, D. *See* Hacein-Bey-Abina, S.
- Stormo, Gary D. *See* Johnston, Mark.
- Stott, Peter A. *See* Karoly, David J.
- Stoughton, Roland. *See* Johnson, Jason M.
- Strano, Michael S. *See* Zheng, Ming.
- Strasser, Andreas. *See* Villunger, Andreas.
- Strelevitz, Timothy J. *See* Changelian, Paul S.
- Striegl, Robert G. *See* Walvoord, Michelle A.
- Stuart, Joshua M.; Segal, Eran; Koller, Daphne; Kim, Stuart K.: A gene-coexpression network for global discovery of conserved genetic modules. p249 10 Oct 2003.
- Stuphorn, Veit. *See* Ito, Shigehiko.
- Su, Chunyan. *See* Changelian, Paul S.
- Su, Yuan. *See* Zhou, Yan.
- Subramanyam, Chakrapani. *See* Changelian, Paul S.
- Sugai, Manabu. *See* Nambu, Yukiko.
- Sugden, Andrew; Ash, Caroline; Hanson, Brooks; Smith, Jesse (news): Where do we go from here? p1906 12 Dec 2003.
- Suib, Steven L.: review of *Handbook of Zeolite Science and Technology*, by Scott M. Auerbach, Kathleen A. Carrado, and Prabir K. Dutta, Eds. p1335 21 Nov 2003.
- Suit, Herman D. and Willers, Henning: Comment on "Tumor response to radiotherapy regulated by

endothelial cell apoptosis" (I) (technical comment). p1894 12 Dec 2003. www.sciencemag.org/cgi/content/full/302/5652/1894c.

Sullivan, S. A. See Methé, B. A.

Sun, Jianmin. See Changelian, Paul S.

Sun, Minjeong. See Kim, Daesoo.

Sun, Wenzhi. See He, Shigang.

Sun, Yi E. See Martinowich, Keri.

Suter, Sherman J.: review of *Taking Flight*, by Richard P. Hallion. p1896 12 Dec 2003. review of *The Wright Brothers and the Invention of the Aerial Age*, by Tom D. Crouch and Peter L. Jakab. p1896 12 Dec 2003.

Sutherland, Stewart C. See Takahashi, Taro.

Sutherland, W. J. See Freckleton, R. P.

Sutton, Mark D. See Siveter, David J.

Suzuki, Misao. See Serizawa, Shou.

Svenningsson, Per; Tzavara, Eleni T.; Carruthers, Robert; Rachleff, Ilan; Wattler, Sigrid; Nehls, Michael; McKinzie, David L.; Fienberg, Allen A.; Nomikos, George G.; Greengard, Paul: Diverse psychotomimetics act through a common signaling pathway. p1412 21 Nov 2003.

Swanson, Maurice S. See Kanadia, Rahul N.

Swartz, Daniel. See Edwards, E. Stephen.

Sweet, Jeremy. See Wilkinson, Mike J.

Szostak, Jack W. See Hanczyc, Martin M.

T, U, and V

Tadokoro, Seiji; Shattil, Sanford J.; Eto, Koji; Tai, Vera; Liddington, Robert C.; de Pereda, José M.; Ginsberg, Mark H.; Calderwood, David A.: Talin binding to integrin β tails: a final common step in integrin activation. p103 3 Oct 2003.

Tai, Vera. See Tadokoro, Seiji.

Taïeb, R. See Mairesse, Y.

Takahashi, Kei S. See Fang, Zhong.

Takahashi, Taro; Sutherland, Stewart C.; Feely, Richard A.; Cosca, Catherine E.: Decadal variation of the surface water PCO_2 in the western and central equatorial Pacific. p852 31 Oct 2003.

Takeuchi, Cindy. See Wentworth, Paul, Jr.

Talley, Lynne D. See Shcherbina, Andrey Y.

Tamse, Racquel. See Yamada, Kayoko.

Tanenbaum, David M. See Clark, Andrew G.

Tang, Carolyn C. See Yamada, Kayoko.

Tanner, Christian; Manca, Carine; Leutwyler, Samuel: Probing the threshold to H atom transfer along a hydrogen-bonded ammonia wire. p1736 5 Dec 2003.

Taylor, Christopher. See Anderson, Rozalyn M.

Taylor, Cormac T. See Hagen, Thilo.

Taylor, Gregory A. See MacMicking, John D.

Tennant, Donald M. See Colombelli, Raffaele.

Tenover, Fred C. See Weigel, Linda M.

Terakura, Kiyoyuki. See Fang, Zhong.

Tessier-Lavigne, Marc. See Colavita, Antonio. See also Inatani, Masaru. See also Lyuksytova, Anna I.

Textor, Volker. See Loewe, Laurence.

Theologis, Athanasios. See Yamada, Kayoko.

Thomas, Christopher G. See Whitney, David.

Thomas, David N.: Iron limitation in the Southern Ocean (letter). p565 24 Oct 2003.

Thomas, John B. See Imondi, Ralph.

Thomas, Paul D. See Clark, Andrew G.

Thompson, David W. J. See Gillett, Nathan P.

Thompson, Martin; Haeusler, Rebecca A.; Good, Paul D.; Engelke, David R.: Nucleolar clustering of dispersed tRNA genes. p1399 21 Nov 2003.

Thomsen, Gerald H. See Wang, Hong-Rui.

Thornton, Charles A. See Kanadia, Rahul N.

Timmers, Adrian M. See Kanadia, Rahul N.

Tischkau, Shelley A. See Barnes, Jessica W.

Tobey, Ra'anan. See Gibson, Emily A.

Toda, Hiroki. See Monje, Michelle L.

Todd, Melissa A. See Clark, Andrew G.

Tokura, Yoshinori. See Fang, Zhong.

Tonkin, Leath A. and Bass, Brenda L.: Mutations in RNAi rescue aberrant chemotaxis of ADAR mutants. p1725 5 Dec 2003.

Topol, Eric J. See Wang, Lejin.

Topol, Sarah E. See Wang, Lejin.

Toriumi, Mitsue. See Yamada, Kayoko.

Totten, Michael P.: What about the shortcuts? (letter). p1329 21 Nov 2003.

Trainor, Thomas P. See Mao, Wendy L.

Tran, B. See Methé, B. A.

Tredicucci, Alessandro: Marriage of two device concepts (perspective). p1346 21 Nov 2003.

Trehu, Anne M. See Preston, Leiph A.

Trenberth, Kevin E. See Karl, Thomas R.

Triantafyllou, Michael S. See Liao, James C.

Triller, Antoine. See Dahhan, Maxime.

Tripp, Matthew. See Yamada, Kayoko.

Troccoli, Mariano. See Colombelli, Raffaele.

Tromp, Tracey K. See Eiler, John M. See also Eiler, John M.

Trumbore, Susan E. and Gaudinski, Julia B.: The secret lives of roots (perspective). p1344 21 Nov 2003.

Tsai, Wei-Yü. See Chan, Shih-Peng.

Tsukihara, Tomitake. See Lee, Soo Jae.

Tu, Chun. See Lee, Kyeong-Hee.

Tybulewicz, Victor L. J. See Walmsley, Marita J.

Tyedmers, Peter. See Pauly, Daniel.

Tzavara, Eleni T. See Svenningsson, Per.

Ucla, Catherine. See Dermitzakis, Emmanouil T.

Ule, Aljaž. See Ule, Jernej.

Ule, Jernej; Jensen, Kirk B.; Ruggiu, Matteo; Mele, Aldo; Ule, Aljaž; Darnell, Robert B.: CLIP identifies Nova-regulated RNA networks in the brain. p1212 14 Nov 2003.

Urbiztondo, Ned. See Lee, Chih-Hao.

Usrey, Monica. See Zheng, Ming.

Usta, Fatih. See Fortunel, Nicolas O.

Utterback, T. See Whitelaw, C. A.

Utterback, T. R. See Methé, B. A.

Uzzo, Michael. See Povich, Matthew S.

Valensi, F. See Haccin-Bey-Abina, S.

Valentine, John F. See Aronson, Richard B.

Valentini, James J. See Elioff, Michael S.

Valverde, Fernando Cornejo. See Peres, Carlos A.

van Achtenbergh, Esmé. See Harris, Anthony C.

Van Aken, S. See Whitelaw, C. A.

Van Aken, S. E. See Methé, B. A.

van der Plicht, Johannes. See Bruins, Hendrik J.

van der Stelt, Mario. See Marsicano, Giovanni.

Van Dover, Cindy L. See Warén, Anders.

Van Dyk, Schuyler D.: Elusive supernova progenitors (perspective). p1161 14 Nov 2003.

van Heeringen, S. See Whitelaw, C. A.

van Kranendonk, M. J. See Garcia-Ruiz, J. M.

van Ommen, Tas D. See Curran, Mark A. J.

Vanderlinde, Orion. See Miao, Long.

Vanes, Lesley. See Walmsley, Marita J.

Varaldi, Julien; Fouillet, Pierre; Ravallec, Marc; López-Ferber, Miguel; Boulétreau, Michel; Fleury, Frédéric: Infectious behavior in a parasitoid. p1930 12 Dec 2003.

Varani, Gabriele. See Kuhlman, Brian.

Varma, Rajat. See Lee, Kyeong-Hee.

Varmus, H.; Klausner, R.; Zerhouni, E.; Acharya, T.; Daar, A. S.; Singer, P. A.: Grand challenges in global health. p398 17 Oct 2003.

Varrone, Z. See Giot, L.

Vaysberg, Maria. See Yamada, Kayoko.

Vega, Andres. See Dandonneau, Yves.

Vega, Vinsensius B. See Fortunel, Nicolas O.

Vernon, David P.: The lesson of the SSC (letter). p1893 12 Dec 2003.

Vicent, J. L. See Villegas, J. E.

Vigneron, Marc. See Gstaiger, Matthias.

Vijayadmodar, G. See Giot, L.

Villarreal, Luis P. See Mindell, David P.

Villegas, J. E.; Savel'ev, Sergey; Nori, Franco; Gonzalez, E. M.; Anguita, J. V.; Garcia, R.; Vicent, J. L.: A superconducting reversible rectifier that controls the motion of magnetic flux quanta. p1188 14 Nov 2003.

Villunger, Andreas; Michalak, Ewa M.; Coultas, Leigh; Müllauer, Franziska; Böck, Günther; Auserlechner, Michael J.; Adams, Jerry M.; Strasser, Andreas: p53- and drug-induced apoptotic responses mediated by BH3-only proteins puma and noxa. p1036 7 Nov 2003.

Vinnikov, Konstantin Y. and Grody, Norman C.: Global warming trend of mean tropospheric temperature observed by satellites. p269 10 Oct 2003.

Vira, Bhaskar. See Adams, William M.

Vitols, E. See Giot, L.

Vogel, Gretchen (news): E.U. stem cell debate ends in a draw. p1872 12 Dec 2003. Experts put some flesh on a bare-bones proposal. p29 3 Oct 2003. An obscure weapon of the Cold War edges into the limelight. p222 10 Oct 2003. Physicists honored for their medical insights. p382 17 Oct 2003. Scientists make sperm in a dish. p1875 12 Dec 2003. 'Stemness' genes still elusive. p371 17 Oct 2003.

Vogel, Gretchen. See Stokstad, Erik.

Vokrouhlický, David. See Chesley, Steven R.

von der Linde, Dietrich: A picosecond view of melting (perspective). p1345 21 Nov 2003.

Von Kalle, C. See Haccin-Bey-Abina, S.

Voss, David: review of *The Elegant Universe*. p570 24 Oct 2003.

Voss, E. See Giot, L.

W

Wadt, Lúcia H. O. See Peres, Carlos A.

Wagner, Nick. See Gibson, Emily A.

Wagner, Wendy. See Michaels, David.

Waldmann, Herbert. See Rak, Alexey.

Walker, Christopher M. See Grakoui, Arash.

Wallender, Erika K. See Yamada, Kayoko.

Walls, Dennis J. See Zheng, Ming.

Walmsley, Marita J.; Ooi, Steen K. T.; Reynolds, Lucinda F.; Smith, Susan Harless; Ruf, Sandra; Mathiot, Anne; Vanes, Lesley; Williams, David A.; Cancro, Michael P.; Tybulewicz, Victor L. J.: Critical roles for Rac1 and Rac2 GTPases in B cell development and signaling. p459 17 Oct 2003.

Walter, Peter. See Papa, Feroz R.

Walvoord, Michelle A.; Phillips, Fred M.; Stonestrom, David A.; Evans, R. Dave; Hart-sough, Peter C.; Newman, Brent D.; Striegl, Robert G.: A reservoir of nitrate beneath desert soils. p1021 7 Nov 2003.

Wang, Deli. See Zhong, Zhaohui.

Wang, Gary. See Clark, Andrew G.

Wang, Hong-Rui; Zhang, Yue; Ozdamar, Barish; Ogunjimi, Abiodun A.; Alexandrova, Evgenia; Thomsen, Gerald H.; Wrana, Jeffrey L.: Regulation of cell polarity and protrusion formation by targeting RhoA for degradation. p1775 5 Dec 2003.

Wang, Jean Y. See Birnbaum, Kenneth.

Wang, Julia. See Lee, Kyeong-Hee.

Wang, Lei: Expanding the genetic code (essays on science and society). p584 24 Oct 2003. 2003 Grand Prize winner. p585 24 Oct 2003.

Wang, Lejin; Fan, Chun; Topol, Sarah E.; Topol, Eric J.; Wang, Qing: Mutation of MEF2A in an inherited disorder with features of coronary artery disease. p1578 28 Nov 2003.

Wang, Qing. See Wang, Lejin.

Wang, Xiaochen; Wu, Yi-Chun; Fadok, Valerie A.; Lee, Ming-Chia; Gengyo-Ando, Keiko; Cheng, Li-Chun; Ledwich, Duncan; Hsu, Pei-Ken; Chen, Jia-Yun; Chou, Bin-Kuan; Henson, Peter; Mitani, Shohei; Xue, Ding: Cell corpse engulfment medi-

- ated by *C. elegans* phosphatidylserine receptor through CED-5 and CED-12. p1563 28 Nov 2003.
- Wang, Yanshu. *See* Lyuksyutova, Anna I.
- Wara, Michael W. *See* Zachos, James C.
- Ward, N. *See* Methé, B. A.
- Ware, John R. *See* Buddemeier, Robert W.
- Warén, Anders; Bengtson, Stefan; Goffredi, Shana K.; Van Dover, Cindy L.: A hot-vent gastropod with iron sulfide dermal sclerites. p1007 7 Nov 2003.
- Warner, Robert R. *See* Pandolfi, John M.
- Wartho, Jo-Anne. *See* Müller, Wolfgang.
- Watkinson, A. R. *See* Freckleton, R. P.
- Watkinson, Andrew R. *See* Gardner, Toby A. *See also* Peres, Carlos A.
- Watson, James D. *See* Collins, Francis S.
- Watson, Reg. *See* Pauly, Daniel.
- Watson, Robert T.: Climate change: the political situation. p1925 12 Dec 2003.
- Wattler, Sigrid. *See* Svenningsson, Per.
- Watzke, Anja. *See* Rak, Alexey.
- Weatherall, David J.: Genomics and global health: time for a reappraisal. p597 24 Oct 2003.
- Weaver, Casey T. *See* Hatton, Robin D.
- Webby, Richard J. and Webster, Robert G.: Are we ready for pandemic influenza? p1519 28 Nov 2003.
- Webster, Christopher R. and Heymsfield, Andrew J.: Water isotope ratios D/H, ¹⁸O/¹⁶O, ¹⁷O/¹⁶O in and out of clouds map dehydration pathways. p1742 5 Dec 2003.
- Webster, Paul (news): Swords-to-plowshares program suffers meltdown. p207 10 Oct 2003.
- Webster, Robert G. *See* Webby, Richard J.
- Wechsler, A.; Brafman, A.; Shafir, M.; Heverin, M.; Gottlieb, H.; Damari, G.; Gozlan-Kelner, S.; Spivak, I.; Moshkin, O.; Fridman, E.; Becker, Y.; Skaliter, R.; Einat, P.; Faerman, A.; Björkhem, I.; Feinstein, E.: Generation of viable cholesterol-free mice. p2087 19 Dec 2003.
- Weich, Nadine. *See* Darwin, K. Heran.
- Weidman, J. *See* Methé, B. A.
- Weigel, Linda M.; Clewell, Don B.; Gill, Steven R.; Clark, Nancy C.; McDougal, Linda K.; Flanagan, Susan E.; Kolonay, James F.; Shetty, Jyoti; Killgore, George E.; Tenover, Fred C.: Genetic analysis of a high-level vancomycin-resistant isolate of *Staphylococcus aureus*. p1569 28 Nov 2003.
- Weiner, Howard L. *See* Monsonego, Alon.
- Weinstein, Yaakov S. *See* Emerson, Joseph.
- Weiss, Giselle (news): Age bar forces Europe's senior researchers to head west. p1885 12 Dec 2003.
- Weiss, Robert M. *See* Chen, Chien-Chang.
- Welham, N. J. *See* García-Ruiz, J. M.
- Welp, M. *See* Hasselmann, K.
- Welsh, M. *See* Giot, L.
- Welters, Ruth. *See* Wilkinson, Mike J.
- Weng, Shijun. *See* He, Shigang.
- Wentworth, Anita D. *See* Wentworth, Paul, Jr.
- Wentworth, Paul, Jr.; Nieva, Jorge; Takeuchi, Cindy; Galve, Roger; Wentworth, Anita D.; Dillely, Ralph B.; DeLaria, Giacomo A.; Saven, Alan; Babiop, Bernard M.; Janda, Kim D.; Eschenmoser, Albert; Lerner, Richard A.: Evidence for ozone formation in human atherosclerotic arteries. p1053 7 Nov 2003.
- West, Anne E. *See* Chen, Wen G.
- West, Stuart A. *See* Griffin, Ashleigh S.
- Whipple, David A. *See* Changelian, Paul S.
- White, K. P. *See* Giot, L.
- White, Morris F.: Insulin signaling in health and disease. p1710 5 Dec 2003.
- White, Noel C. *See* Harris, Anthony C.
- White, O. *See* Methé, B. A.
- White, Thomas J. *See* Clark, Andrew G.
- Whitelaw, C. A.; Barbazuk, W. B.; Perte, G.; Chan, A. P.; Cheung, F.; Lee, Y.; Zheng, L.; van Heerlingen, S.; Karamycheva S.; Bennetzen, J. L.; San-Miguel, P.; Lakey, N.; Bedell, J.; Yuan, Y.; Budiman, M. A.; Resnick, A.; Van Aken, S.; Utterback, T.; Riedmuller, S.; Williams, M.; Feldblyum, T.; Schubert, K.; Beachy, R.; Fraser, C. M.; Quackenbush, J.: Enrichment of gene-coding sequences in maize by genome filtration. p2118 19 Dec 2003.
- Whitfield, Charles W.; Cziko, Anne-Marie; Robinson, Gene E.: Gene expression profiles in the brain predict behavior in individual honey bees. p296 10 Oct 2003.
- Whiting, Martin J.: review of *Lizards*, by Eric R. Pianka and Laurie J. Vitt. p230 10 Oct 2003.
- Whitney, David; Goltz, Herbert C.; Thomas, Christopher G.; Gati, Joseph S.; Menon, Ravi S.; Goodale, Melvyn A.: Flexible retinotopy: motion-dependent position coding in the visual cortex. p878 31 Oct 2003.
- Wible, John R. *See* Luo, Zhe-Xi.
- Wickelgren, Ingrid (news): Brain researchers try to salvage estrogen treatments. p1138 14 Nov 2003. CO gas joins brain signaling team. p1320 21 Nov 2003.
- Wilkinson, Mike J.; Elliott, Luisa J.; Allainguillaume, Joël; Shaw, Michael W.; Norris, Carol; Welters, Ruth; Alexander, Matthew; Sweet, Jeremy; Mason, David C.: Hybridization between *Brassica napus* and *B. rapa* on a national scale in the United Kingdom. p457 17 Oct 2003.
- Willemse, Joost. *See* Limpens, Erik.
- Willers, Henning. *See* Suit, Herman D.
- Williams, David A. *See* Gu, Yi. *See also* Walmsley, Marita J.
- Williams, David A. and Baum, Christopher: Gene therapy—new challenges ahead (perspective). p400 17 Oct 2003.
- Williams, Emily P. *See* Gu, Yi.
- Williams, J. *See* Giot, L.
- Williams, Kipling D. *See* Eisenberger, Naomi I.
- Williams, M. *See* Whitelaw, C. A.
- Williamson, Roger A. *See* Chen, Chien-Chang.
- Willingham, Stephen; Outeiro, Tiago Fleming; Devit, Michael J.; Lindquist, Susan L.; Muchowski, Paul J.: Yeast genes that enhance the toxicity of a mutant huntingtin fragment or α -synuclein. p1769 5 Dec 2003.
- Wills, Matthew A. *See* Buckling, Angus.
- Windle, Alan H. *See* Song, Wenhui.
- Wingham, Duncan. *See* Shepherd, Andrew.
- Winkler, Dennis C. *See* Grünewald, Kay.
- Wintergerst, U. *See* Hacein-Bey-Abina, S.
- Wirbelauer, Christiane. *See* Gstaiger, Matthias.
- Wiscombe, Warren. *See* Li, Zhanqing.
- Wise, M. Norton: review of *Einstein's Clocks, Poincaré's Maps*, by Peter Galison. p2072 19 Dec 2003.
- Wissler, M. *See* Hacein-Bey-Abina, S.
- Wofsy, Steven C. *See* Saleska, Scott R.
- Wokaun, A. *See* Hasselmann, K.
- Wolff, Eric W.: Whither Antarctic sea ice? (perspective). p1164 14 Nov 2003.
- Wong, Cecilia. *See* Yamada, Kayoko.
- Wong, K. L. *See* Guan, Y.
- Wood, William B. and Gentile, James M.: Teaching in a research context. p1510 28 Nov 2003.
- Woodroffe, Rosie. *See* Courchamp, Franck.
- Woods, Thomas N. *See* Povich, Matthew S.
- Woodworth, Thasia G. *See* Changelian, Paul S.
- Woollard, David J. *See* Grakoui, Arash.
- Wrana, Jeffrey L. *See* Wang, Hong-Rui.
- Wu, Chung-I. *See* Greenberg, Anthony J. *See also* Lu, Jian.
- Wu, D. *See* Methé, B. A.
- Wu, Hank C. *See* Yamada, Kayoko.
- Wu, Hao. *See* Martinowich, Kerri.
- Wu, Hui. *See* Lee, Kyeong-Hee.
- Wu, Jianguo; Huang, Jianghui; Han, Xingguo: Three-Gorges Dam: risk to ancient fish (letter). p1149 14 Nov 2003.
- Wu, M. *See* Methé, B. A.
- Wu, Troy. *See* Yamada, Kayoko.
- Wu, Xin. *See* Zhou, Yan.
- Wu, Yi-Chun. *See* Wang, Xiaochen.
- Wu-Baer, Foon. *See* Li, Muyang.
- Wulffraat, N. *See* Hacein-Bey-Abina, S.
- Wzietek, P. *See* Limelette, P.

X, Y, and Z

- Xie, Ping: Three-Gorges Dam: risk to ancient fish (letter). p1149 14 Nov 2003.
- Xie, X. Sunney. *See* Yang, Haw.
- Xu, Tian. *See* Pagliarini, Raymond A.
- Xu, Wu and Angell, C. Austen: Solvent-free electrolytes with aqueous solution-like conductivities. p422 17 Oct 2003.
- Xue, Ding. *See* Wang, Xiaochen.
- Xun, Luying. *See* Yang, Haw.
- Yaffe, Michael B. *See* Manke, Isaac A.
- Yagita, Kazuhiro. *See* Yamaguchi, Shun.
- Yamada, Hiroyuki. *See* Fang, Zhong.
- Yamada, Kayoko; Lim, Jun; Dale, Joseph M.; Chen, Huaming; Shinn, Paul; Palm, Curtis J.; Southwick, Audrey M.; Wu, Hank C.; Kim, Christopher; Nguyen, Michelle; Pham, Paul; Cheuk, Rosa; Karlin-Newmann, George; Liu, Shirley X.; Lam, Bao; Sakano, Hitomi; Wu, Troy; Yu, Guixia; Miranda, Molly; Quach, Hong L.; Tripp, Matthew; Chang, Charlie H.; Lee, Jeong M.; Toriumi, Mitsue; Chan, Marie M. H.; Tang, Carolyn C.; Onodera, Courtney S.; Deng, Justine M.; Akiyama, Kenji; Ansari, Yasser; Arakawa, Takahiro; Banh, Jenny; Banno, Fumika; Bowser, Leah; Brooks, Shelise; Carninci, Piero; Chao, Qimin; Choy, Nathan; Enju, Akiko; Goldsmith, Andrew D.; Gurjal, Mani; Hansen, Nancy F.; Hayashizaki, Yoshihide; Johnson-Hopson, Chanda; Hsuan, Vickie W.; Iida, Kei; Karnes, Meagan; Khan, Shehnaz; Koesema, Eric; Ishida, Junko; Jiang, Paul X.; Jones, Ted; Kawai, Jun; Kamiya, Asako; Meyers, Cristina; Nakajima, Maiko; Narusaka, Mari; Seki, Motoaki; Sakurai, Tetsuya; Satou, Masakazu; Tamse, Racquel; Vaysberg, Maria; Wallender, Erika K.; Wong, Cecilia; Yamamura, Yuki; Yuan, Shialou; Shinzaki, Kazuo; Davis, Ronald W.; Theologis, Athanasios; Ecker, Joseph R.: Empirical analysis of transcriptional activity in the *Arabidopsis* genome. p842 31 Oct 2003.
- Yamaguchi, Shun. *See* Matsuo, Takuya.
- Yamaguchi, Shun; Isejima, Hiromi; Matsuo, Takuya; Okura, Ryusuke; Yagita, Kazuhiro; Kobayashi, Masaki; Okamura, Hitoshi: Synchronization of cellular clocks in the suprachiasmatic nucleus. p1408 21 Nov 2003.
- Yamaguchi, Yu. *See* Inatani, Masaru.
- Yamamura, Yuki. *See* Yamada, Kayoko.
- Yamashita, Eiki. *See* Lee, Soo Jae.
- Yang, Allen S.; Estecio, Marcos R. H.; Garcia-Manero, Guillermo; Kantarjian, Hagop M.; Issa, Jean-Pierre J.: Comment on "Chromosomal instability and tumors promoted by DNA hypomethylation" and "Induction of tumors in mice by genomic hypomethylation" (technical comment). p1153 14 Nov 2003. www.sciencemag.org/cgi/content/full/302/5648/1153b.
- Yang, Haw; Luo, Guobin; Karnchanaphanurach, Pallop; Louie, Tai-Man; Rech, Ivan; Cova, Sergio; Xun, Luying; Xie, X. Sunney: Protein conformational dynamics probed by single-molecule electron transfer. p262 10 Oct 2003.
- Yang, Soo Y. *See* Pearce, Erika L.
- Yaron, Bruno. *See* Dror, Ishai.
- Yasserli, Amir A. *See* Liu, Zhiming.

- Yimin, Ding and Lei, Xiong (news): An end to business as usual?. p43 3 Oct 2003.
- Yokota, Akiho. *See* Ashida, Hiroki.
- Yokota, Yoshifumi. *See* Nambu, Yukiko.
- Yoneda, Yoshihiro. *See* Lee, Soo Jae.
- Yoon, Kwansik. *See* Changelian, Paul S.
- Yoon, Soonsang. *See* Ivanova, Natalia B.
- Yoshihara, Yoshihiro. *See* Serizawa, Shou.
- Yoshimura, Masato. *See* Lee, Soo Jae.
- Yu, Douglas W. *See* Peres, Carlos A.
- Yu, Guixia. *See* Yamada, Kayoko.
- Yu, Haiyuan. *See* Jansen, Ronald.
- Yu, Hannah J. *See* Michael, Todd P.
- Yu, Li and Lenardo, Michael J.: The paracaspase connection (perspective). p1515 28 Nov 2003.
- Yu, Xianghui; Yu, Yunkai; Liu, Bindong; Luo, Kun; Kong, Wei; Mao, Panyong; Yu, Xiao-Fang: Induction of APOBEC3G ubiquitination and degradation by an HIV-1 Vif-Cul5-SCF complex. p1056 7 Nov 2003.
- Yu, Xiaochun; Chini, Claudia Christiano Silva; He, Miao; Mer, Georges; Chen, Junjie: The BRCT domain is a phospho-protein binding domain. p639 24 Oct 2003.
- Yu, Xiao-Fang. *See* Yu, Xianghui.
- Yu, Yunkai. *See* Yu, Xianghui.
- Yuan, Chong-Xi. *See* Luo, Zhe-Xi.
- Yuan, H. Q.; Grosche, F. M.; Deppe, M.; Geibel, C.; Sparn, G.; Steglich, F.: Observation of two distinct superconducting phases in CeCu₂Si₂. p2104 19 Dec 2003.
- Yuan, Shialou. *See* Yamada, Kayoko.
- Yuan, Y. *See* Whitelaw, C. A.
- Yuen, K. Y. *See* Guan, Y.
- Yung, Y. L. *See* Eiler, John M.
- Yung, Yuk L. *See* Eiler, John M.
- Zachos, James C.; Wara, Michael W.; Bohaty, Steven; Delaney, Margaret L.; Petrizzo, Maria Rose; Brill, Amanda; Bralower, Timothy J.; Premoli-Silva, Isabella: A transient rise in tropical sea surface temperature during the Paleocene-Eocene thermal maximum. p1551 28 Nov 2003.
- Zafar, N. *See* Methé, B. A.
- Zagouras, Panayiotis. *See* Changelian, Paul S.
- Zediak, Valerie P. *See* Pearce, Erika L.
- Zeng, Ning: Drought in the Sahel (perspective). p999 7 Nov 2003.
- Zerhouni, E. *See* Varmus, H.
- Zerhouni, Elias: The NIH roadmap. p63 3 Oct 2003.
- Zerhusen, B. *See* Giot, L.
- Zhang, Chao. *See* Papa, Feroz R.
- Zhang, Huamin. *See* Kurisu, Genji.
- Zhang, Junan. *See* Orlitsky, Alon.
- Zhang, L. J. *See* Guan, Y.
- Zhang, Wendy W. *See* Doshi, Pankaj.
- Zhang, Yue. *See* Wang, Hong-Rui.
- Zhang, Zaoli; Sigle, Wilfried; Phillipp, Fritz; Rühle, Manfred: Direct atom-resolved imaging of oxides and their grain boundaries. p846 31 Oct 2003.
- Zheng, B. J. *See* Guan, Y.
- Zheng, L. *See* Whitelaw, C. A.
- Zheng, Ming; Jagota, Anand; Strano, Michael S.; Santos, Adelina P.; Barone, Paul; Chou, S. Grace; Diner, Bruce A.; Dresselhaus, Mildred S.; Mclean, Robert S.; Onoa, G. Bibiana; Samsonidze, Georgii G.; Semke, Ellen D.; Usrey, Monica; Walls, Dennis J.: Structure-based carbon nanotube sorting by sequence-dependent DNA assembly. p1545 28 Nov 2003.
- Zheng, Xianqun. *See* Clark, Andrew G.
- Zhong, J. *See* Giot, L.
- Zhong, Zhaohui; Wang, Deli; Cui, Yi; Bockrath, Marc W.; Lieber, Charles M.: Nanowire crossbar arrays as address decoders for integrated nanosystems. p1377 21 Nov 2003.
- Zhou, Qi; Renard, Jean-Paul; Le Fric, Gaëlle; Brochard, Vincent; Beaujean, Nathalie; Cherifi, Yacine; Fraichard, Alexandre; Cozzi, Jean: Generation of fertile cloned rats by regulating oocyte activation. p1179 14 Nov 2003.
- Zhou, Yan; Su, Yuan; Li, Baolin; Liu, Feng; Ryder, John W.; Wu, Xin; Gonzalez-DeWhitt, Patricia A.; Gelfanova, Valentina; Hale, John E.; May, Patrick C.; Paul, Steven M.; Ni, Binhui: Nonsteroidal anti-inflammatory drugs can lower amyloidogenic A β ₄₂ by inhibiting Rho. p1215 14 Nov 2003.
- Zhou, Yong-Jie. *See* Changelian, Paul S.
- Zhuang, Z. X. *See* Guan, Y.
- Zieglgänsberger, Walter. *See* Marsicano, Giovanni.
- Zittel, Werner. *See* Schultz, Martin G.
- Zoghbi, Huda Y.: Postnatal neurodevelopmental disorders: meeting at the synapse? p826 31 Oct 2003.
- Zou, Yimin. *See* Lyuksyutova, Anna I.
- Zuber, Maria T.: Learning to think like martians (perspective). p1694 5 Dec 2003.
- Zuidema, Pieter A. *See* Peres, Carlos A.