

Author Index to Volume 258

October–December 1992

A and B

- Abella, Sally E. B. See Karlin, Robert E.
- Abelson, Philip H. (editorials): A changing climate for scientific research. p723 30 Oct 1992. The Gas Research Institute. p1715 11 Dec 1992. Jobs, technology, and change. p1287 20 Nov 1992. Superconductivity revisited. p1559 4 Dec 1992.
- Abramson, Tatiana. See Heginbotham, Lise.
- Ackerman, Eric J. See Jenkins, Timothy M.
- Acton, L.; Tsuneta, S.; Ogawara, Y.; Bentley, R.; Bruner, M.; Canfield, R.; Culhane, L.; Doschek, G.; Hiei, E.; Hirayama, T.; Hudson, H.; Kosugi, T.; Lang, J.; Lemen, J.; Nishimura, J.; Makishima, K.; Uchida, Y.; Watanabe, T.: The Yohkoh mission for high-energy solar physics. p618 23 Oct 1992.
- Adair, Robert K.: EMF research (letter). p1868 18 Dec 1992.
- Adams, John: Paleoseismology: a search for ancient earthquakes in Puget Sound. p1592 4 Dec 1992.
- Adams, Michael E. See Turner, Timothy J.
- Adams, S. E. See Lehner, T.
- Ade, H.; Zhang, X.; Cameron, S.; Costello, C.; Kirz, J.; Williams, S.: Chemical contrast in x-ray microscopy and spatially resolved XANES spectroscopy of organic specimens. p972 6 Nov 1992.
- Aggerbeck, Lawrence P. See Wetterau, John R.
- Akabas, Myles H.; Stauffer, David A.; Xu, Ming; Karlin, Arthur: Acetylcholine receptor channel structure probed in cysteine-substitution mutants. p307 9 Oct 1992.
- Akaihiro: Early cultivators of science in Japan. p578 23 Oct 1992.
- Akira, Shizuo. See Kishimoto, Tadimitsu.
- Alborn, Timothy L.: review of *A Scientist's Voice in American Culture*, by Albert E. Moyer. p333 9 Oct 1992.
- Aldhous, Peter (news): Brussels provides funding lifeline to Irish research. p884 6 Nov 1992. Europeans agree not to go it alone. p1297 20 Nov 1992. French genome project on track at last. p29 2 Oct 1992. French officials panic over rare brain disease outbreak. p1571 4 Dec 1992. Neem chemical: the pieces fall in place. p893 6 Nov 1992. Researchers turn to charity and gambling. p885 6 Nov 1992. Roche gets touch on illicit sales of PCR reagent. p1572 4 Dec 1992. Royal Society suggests remedies. p23 2 Oct 1992. Spain's ambitions in biology threatened by funding freeze. p1876 18 Dec 1992. An uncertain start for a brain decade. p23 2 Oct 1992. See also Csillag, Cláudio.
- _____ and Tastemain, Catherine (news): Three physicians convicted in French 'blood-supply trial.' p735 30 Oct 1992.
- Alessandrini, Alessandro. See Crews, Craig M.
- Alexander, Martin and Loehr, Raymond C.: Bioremediation review (letter). p874 6 Nov 1992.
- Allbritton, Nancy L.; Meyer, Tobias; Stryer, Lubert: Range of messenger action of calcium ion and inositol 1,4,5-trisphosphate. p1812 11 Dec 1992.
- Almqvist, K. C. See Cole, S. P. C.
- Alonso, M. Elisa. See Schellenberg, Gerard D.
- Alter, Harvey J. See Farci, Patrizia.
- Amaral, Michael A.: Conflicts of interest (letter). p1717 11 Dec 1992.
- Amato, Ivan (news): Chemistry: a winning electronic two-step. p544 23 Oct 1992. An every-
- man's free-electron laser? p401 16 Oct 1992. Feelings at your fingertips. p1436 27 Nov 1992. From 'hunter magic,' a pharmacopeia? p1306 20 Nov 1992. In search of the human touch. p1436 27 Nov 1992. NASA urged to pump up its first 'A'. p394 16 Oct 1992. A new kind of organic gardening. p1064 13 Nov 1992. Race quickens for non-stick blood monitoring technology. p892 6 Nov 1992. Researchers swap material evidence in Boston. p1886 18 Dec 1992. Rustum Roy: PR is a better system than peer review. p736 30 Oct 1992.
- Amemiya, Yoshiyuki. See Wakabayashi, Katsuzo.
- Ames, Bruce N. See Gold, Lois Swirsky.
- Amoroso, John. See Robert, Daniel.
- Anderson, Alun (science in Japan): Breaking barriers and expanding frontiers. p568 23 Oct 1992. Home from America. p576 23 Oct 1992. Japan's most cited. p574 23 Oct 1992. Japanese academics bemoan the cost of years of neglect. p564 23 Oct 1992. The power of mathematics. p573 23 Oct 1992. Radical thinker. p573 23 Oct 1992. See also Pendlebury, David A.
- _____ and Hamilton, David P. (science in Japan): Bright dreams despite a legacy of hits and misses. p577 23 Oct 1992.
- Anderson, Christopher (news): Princeton lab faces 9-year shutdown. p1727 11 Dec 1992. UC goes where Harvard feared to tread. p1875 18 Dec 1992. Universities discover that simplicity has its price. p1874 18 Dec 1992.
- Anderson, David E. See Cannon-Albright, Lisa A.
- Anderson, E. See Da Silva, L. B.
- Anderson, James B. See Diedrich, Drake L.
- Anderson, Julie A. See Schachtman, Daniel P.
- Anderson, Leojean. See Schellenberg, Gerard D.
- Anderson, Matthew P. See Welsh, Michael J.
- Anderson, P. W.: Theory and experiment in high-temperature superconductivity (technical comment). p672 23 Oct 1992.
- Andreoni, Wanda. See Laasonen, Kari.
- Aono, M.: Has Japan begun to move toward atomic level material processing? p586 23 Oct 1992.
- Appella, Ettore. See Sette, Alessandro.
- Appenzeller, Tim (news): Deep-living microbes mount a relentless attack on rock. p222 9 Oct 1992. Physics: applause for a high wire act. p543 23 Oct 1992.
- Apple, Rima D.: review of *Dirt and Disease*, by Naomi Rogers. p490 16 Oct 1992.
- Araguás-Araguás, Luis. See Rozanski, Kazimierz.
- Arbib, Michael A.: review of *The Computational Brain*, by Patricia S. Churchland and Terrence J. Sejnowski. p1671 4 Dec 1992.
- Arden, J. W. See Gilmour, I.
- Arima, Akito: Underfunding of basic science in Japan. p590 23 Oct 1992.
- Armstrong, Sandra K. See Rutz, Jeanette M.
- Arondel, Vincent; Lemieux, Bertrand; Hwang, In-hwan; Gibson, Sue; Goodman, Howard M.; Somerville, Chris R.: Map-based cloning of a gene controlling omega-3 fatty acid desaturation in *Arabidopsis*. p1353 20 Nov 1992.
- Arthur, Larry O.; Bess, Julian W., Jr.; Sowder, Raymond C., II; Benveniste, Raoul E.; Mann, Dean L.; Chermann, Jean-Claude; Henderson, Louis E.: Cellular proteins bound to immunodeficiency viruses: implications for pathogenesis and vaccines. p1935 18 Dec 1992.
- Ashburner, Michael: Frosted flies. p1896 18 Dec 1992.
- Atkinson, Peter W. See Ballard, J. William O.
- Attwood, D. T. See Da Silva, L. B.
- Atwater, Brian F. and Moore, Andrew L.: A tsunami about 1000 years ago in Puget Sound, Washington. p1614 4 Dec 1992.
- Au, Karin G. See Hanvey, Jeffery C.
- Aukhil, Ikramuddin. See Leahy, Daniel J.
- Autillo-Gambetti, Lucila. See Goldfarb, Lev G.
- Avouris, Ph. See Hasegawa, Y.
- Awschalom, David D.; DiVincenzo, David P.; Smyth, Joseph F.: Macroscopic quantum effects in nanometer-scale magnets. p414 16 Oct 1992.
- Babiss, Lee E. See Hanvey, Jeffery C.
- Baeyens, Willy. See Dehairs, Frank.
- Bain, Jim D. See Lerner, Richard A.
- Baker, Oliver. See Hasegawa, Hajime.
- Baker, Richard G. See Dorale, Jeffrey A.
- Bale, Allen E. See Cannon-Albright, Lisa A.
- Balhorn, R. See Da Silva, L. B.
- Ballard, J. William O.; Olsen, Gary J.; Faith, Daniel P.; Odgers, Wendy A.; Rowell, David M.; Atkinson, Peter W.: Evidence from 12S ribosomal RNA sequences that onychophorans are modified arthropods. p1345 20 Nov 1992.
- Ballou, David P. See Correll, Carl C.
- Bandy, Ralph E.; Lakshminarayan, Chitra; Frost, Rex K.; Zwier, Timothy S.: Direct detection of C₄H₂ photochemical products: possible routes to complex hydrocarbons in planetary atmospheres. p1630 4 Dec 1992.
- Banerdt, W. Bruce. See Golombek, Matthew P.
- Bao, Youdi. See Sodeinde, Ola A.
- Barbas, Carlos F., III. See Lerner, Richard A.
- Barbee, T. W., Jr. See Da Silva, L. B.
- Barinaga, Marcia (news): The brain remaps its own contours. p216 9 Oct 1992. How scary things get that way. p887 6 Nov 1992. Huntington's marker. p889 6 Nov 1992. Mortality: overturning received wisdom. p398 16 Oct 1992. Playing 'telephone' with the body's message of pain. p1085 13 Nov 1992. Tuning our hearing. p889 6 Nov 1992. Pot, heroin unlock new areas for neuroscience. p1882 18 Dec 1992. Unraveling the dark paradox of 'blindsight.' p1438 27 Nov 1992. Viruses launch their own 'Star Wars.' p1730 11 Dec 1992.
- Barker, Clyde F. See Naji, Ali.
- Barry, Gerard F. See Stark, David M.
- Barton, John H.: The readers' NIH (letter). p529 23 Oct 1992.
- Basu, Asish R. See Cole, Ronald B.
- Batie, Christopher J. See Correll, Carl C.
- Beard, J. S. and Lofgren, G. E.: An experiment-based model for the petrogenesis of high-alumina basalts. p112 2 Oct 1992.
- Becker, Tim A. See Vasconcelos, Paulo M.
- Bedzyk, Michael J. See Wang, Jin.
- Beehler, Bruce M. See Dumbacher, John P.
- Beer-Romero, Peggy. See Vollrath, Douglas.
- Belachew, A. See Sung, Z. R.
- Benkovic, Stephen J. See Gibbs, Richard A. See also Peliska, James A.
- Bennett, Philip C. See Hiebert, Franz K.
- Bentley, R. See Acton, L.
- Benveniste, Raoul E. See Arthur, Larry O.
- Benz, Roland. See Trias, Joaquim.
- Beratan, David N.; Onuchic, José Nelson; Winkler, Jay R.; Gray, Harry B.: Electron-tunneling pathways in proteins. p1740 11 Dec 1992.
- Bereano, Philip L. and Wilker, Nachama L.: Reg-

- ulations for genetically engineered foods (letter). p1561 4 Dec 1992.
- Bergenheim, Nils. See Freskgård, Per-Ola.
- Bergmeier, L. A. See Lehner, T.
- Berkowitz, Edward D.: review of *The Disability Business*, by Gary L. Albrecht. p489 16 Oct 1992.
- Bernhard, Wolfram. See Seidler, Horst.
- Berry, Alan. See Scrutton, Nigel S.
- Berti, A., et al.: Electrical measurements on endomembranes (letter). p873 6 Nov 1992.
- Bertrand-Garcia, R. See Sung, Z. R.
- Bess, Julian W., Jr. See Arthur, Larry O.
- Beulow, William J. See Paull, Charles K.
- Bevilacqua, Philip C.; Kierzek, Ryszard; Johnson, Kenneth A.; Turner, Douglas H.: Dynamics of ribozyme binding of substrate revealed by fluorescence-detected stopped-flow methods. p1355 20 Nov 1992.
- Bhardwaj, G. See Cole, S. P. C.
- Bianchi, C. Paul: The readers' NIH (letter). p530 23 Oct 1992.
- Bilakovics, James. See Kitajima, Isao.
- Bilham, Roger and Bodin, Paul: Fault zone connectivity: slip rates on faults in the San Francisco Bay area, California. p281 9 Oct 1992.
- Bird, Thomas D. See Schellenberg, Gerard D.
- Birnbaum, Duane. See Tan, Weihong.
- Bisi, John E. See Hanvey, Jeffery C.
- Bjorkman, Pamela J. See Fahnestock, Margaret L.
- Black, Francis L.: Why did they die? p1739 11 Dec 1992.
- Blaese, R. Michael: Culver, Kenneth W.; Ishii, Hiroyuki; Oldfield, Edward H.; Ram, Zvi; Wallbridge, Stuart: Brain tumor treatment: significant contributions. p1960 18 Dec 1992.
- Blake, G. A.: Hydrogen bonding (letter). p381 16 Oct 1992.
- Blythman, Hildur E.: Conflicts of interest (letter). p1717 11 Dec 1992.
- Bodin, Paul. See Bilham, Roger.
- Bogan, Jonathan S. See Vollrath, Douglas.
- Bohlen, S. R. See Hacker, B. R.
- Bohm, Andrew. See Pandit, Jayvardhan.
- Bohmann, Dirk. See Papavassiliou, Athanasios G.
- Boitano, Scott; Dirksen, Ellen R.; Sanderson, Michael J.: Intercellular propagation of calcium waves mediated by inositol trisphosphate. p292 9 Oct 1992.
- Bonham, Michele A. See Hanvey, Jeffery C.
- Bonifacio, Juan S. See Cosson, Pierre.
- Bonnycastle, Lori. See Schellenberg, Gerard D.
- Bouma, Marie-Elisabeth. See Wetterau, John R.
- Bowen, David; Francis, Paul; Sims, Neil; Cross, Alan: Protection from dementia (letter). p1422 27 Nov 1992.
- Boyd, Ann L. See Hanvey, Jeffery C.
- Bracewell, Ronald N.: review of *Is Anyone Out There?*, by Frank Drake and Dava Sobel. p1012 6 Nov 1992.
- Brase, J. See Da Silva, L. B.
- Breuer, Aviva. See Devane, William A.
- Brewster, James H. and Laskowski, Michael, Jr.: Left-handed comments (letter). p1289 20 Nov 1992.
- Briggs, Derek E. G.; Fortey, Richard A.; Wills, Matthew A.: Cambrian and Recent morphological disparity (technical comment). p1817 11 Dec 1992.
- Briggs, Steven P. See Johal, Gurmukh S.
- Brimhall, George H. See Vasconcelos, Paulo M.
- Brönmark, Christer and Miner, Jeffrey G.: Predator-induced phenotypic change in body morphology in crucian carp. p1348 20 Nov 1992.
- Brookes, R. See Lehner, T.
- Brown, David A. See Kitajima, Isao.
- Brown, Donald D.: The readers' NIH (letter). p529 23 Oct 1992.
- Brown, George E., Jr.: Rational science, irrational reality: a congressional perspective on basic research and society. p200 9 Oct 1992.
- Brown, Laura G. See Vollrath, Douglas.
- Brown, Lawrence E. and Clayton, Donald D.: Silicon isotopic composition in large meteoritic SiC particles and ^{22}Na origin of ^{22}Ne . p970 6 Nov 1992.
- Brown, Paul. See Goldfarb, Lev G.
- Bruckenstein, David A. See Hanvey, Jeffery C.
- Brugge, Joan S. See Yu, Hongtao.
- Bruner, M. See Acton, L.
- Brussard, Peter F.: review of *Global Warming and Biological Diversity*, edited by Robert L. Peters and Thomas E. Lovejoy. p1505 27 Nov 1992.
- Bucala, Richard. See Makita, Zenji.
- Buchanan, D. N. E. See Wertheim, G. K.
- Buckley, Brendan M. See Jacoby, Gordon C.
- Bucknam, Robert C.; Hemphill-Haley, Eileen; Leopold, Estella B.: Abrupt uplift within the past 1700 years at southern Puget Sound, Washington. p1611 4 Dec 1992.
- Budkowski, Andrzej. See Steiner, Ullrich.
- Burchfiel, B. C. See Hodges, K. V.
- Burrows, Adam and Fryxell, Bruce A.: An instability in neutron stars at birth. p430 16 Oct 1992.
- Burton, Dennis R. See Lerner, Richard A.
- Buseck, Peter R. and Tsipursky, Semeon J.: The formation of fullerenes (letter). p1718 11 Dec 1992.
- Bush, George and Clinton, Bill: Science policy: the candidates' response. p384 16 Oct 1992.
- Bustamante, Carlos. See Smith, Steven B.
- Butler, Bryan J. See Slade, Martin A.
- Buzy, Jeanine M. See Corboy, John R.

C and D

- Cadilla, Rodolfo. See Hanvey, Jeffery C.
- Caffrey, Martin. See Wang, Jin.
- Cahen, David; Gilet, Jean-Marc; Schmitz, Claus; Chernyak, Leonid; Gartsman, Konstantin; Jakubowicz, Abram: Room-temperature, electric field-induced creation of stable devices in CuInSe_2 crystals. p271 9 Oct 1992.
- Cahn, Robert N.: Big physics collaborations (letter). p726 30 Oct 1992.
- Cai, Xiao-Dan. See Shoji, Mikio.
- Calayag, M. Clara. See Hasegawa, Hajime.
- Cambler, John C. See Clark, Marcus R.
- Cameron, James F. See Lehmann Jürgen M.
- Cameron, S. See Ade, H.
- Campbell, I. H.; Czamanske, G. K.; Fedorenko, V. A.; Hill, R. I.; Stepanov, V.: Synchronism of the Siberian traps and the Permian-Triassic boundary. p1760 11 Dec 1992.
- Campbell, Kerry S. See Clark, Marcus R.
- Campbell, Mary-Ann. See Schulte, Roberta J.
- Campillo, A. J. See Tonucci, R. J.
- Canfield, R. See Acton, L.
- Cannon-Albright, Lisa A.; Goldgar, David E.; Meyer, Laurence J.; Lewis, Cathryn M.; Anderson, David E.; Fountain, Jane W.; Hegi, Monika E.; Wiseman, Roger W.; Petty, Elizabeth M.; Bale, Allen E.; Olopade, Olufunmilayo I.; Diaz, Manuel O.; Kwiatkowski, David J.; Piepkorn, Michael W.; Zone, John J.; Skolnick, Mark H.: Assignment of a locus for familial melanoma, MLM, to chromosome 9p 13-p22. p1148 13 Nov 1992.
- Cantor, Charles R. See Sano, Takeshi.
- Capogrossi, Maurizio C. See Ziegelstein, Roy C.
- Carey, James R.; Liedo, Pablo; Orozco, Dina; Vaupe, James W.: Slowing of mortality rates at older ages in large medfly cohorts. p457 16 Oct 1992.
- Carlsson, Uno. See Freskgård, Per-Ola.
- Carmignoto, Giorgio and Vicini, Stefano: Activity-dependent decrease in NMDA receptor responses during development of the visual cortex. p1007 6 Nov 1992.
- Carter, Stephen G. See Hanvey, Jeffery C.
- Cartwright, Kenneth. See Makita, Zenji.
- Catania, Joseph A.; Coates, Thomas J.; Stall, Ron; Turner, Heather; Peterson, John; Hearst, Norman; Dolcini, M. Margaret; Hudes, Estie; Gagnon, John; Wiley, James; Groves, Robert: Prevalence of AIDS-related risk factors and condom use in the United States. p1101 13 Nov 1992.
- Cava, R. J. See Eom, C. B.
- Ceman, Stephanie. See Sette, Alessandro.
- Cepko, Constance L. See Walsh, Christopher.
- Cerami, Anthony. See Makita, Zenji.
- Cerione, Richard A. See Hart, Matthew J.
- Chan, Thomas C. K.: The readers' NIH (letter). p530 23 Oct 1992.
- Chatterjee, Saswati; Johnson, Philip R.; Wong, K. K., Jr.: Dual-target inhibition of HIV-1 in vitro by means of an adeno-associated virus antisense vector. p1485 27 Nov 1992.
- Chavrier, Catherine. See Papavassiliou, Athanasios G.
- Chen, Z. See Hodges, K. V.
- Cheng, Linda. See Ziegelstein, Roy C.
- Chermann, Jean-Claude. See Arthur, Larry O.
- Chernyak, Leonid. See Cahen, David.
- Cheung, Tobun T. See Shoji, Mikio.
- Chiausa, August J. See Weinstein, John N.
- Choi, Dennis W.: Bench to bedside: the glutamate connection. p241 9 Oct 1992.
- Chupp, Edward L.: The gamma-ray cosmos. p1894 18 Dec 1992.
- Church, George M. See Walsh, Christopher.
- Cifuentes, Ines Lucia. See Harlow, David H.
- Cipra, Barry (news): Putting the pedal to the metal in a controlled chaotic laser. p1309 20 Nov 1992.
- Clark, Burton D. See Porat, Reuven.
- Clark, Marcus R.; Campbell, Kerry S.; Kazlauskas, Andrius; Johnson, Sara A.; Hertz, Marc; Potter, Terry A.; Pleiman, Chris; Cambier, John C.: The B cell antigen receptor complex: association of $\text{Ig-}\alpha$ and $\text{Ig-}\beta$ with distinct cytoplasmic effectors. p123 2 Oct 1992.
- Clayton, Donald D. See Brown, Lawrence E.
- Clayton, Robert N.: Silica-carbonate isotopic temperature calibration (technical comment). p1162 13 Nov 1992.
- Clements, Janice E. See Corboy, John R.
- Clements, John D.; Lester, Robin A. J.; Tong, Gang; Jahr, Craig E.; Westbrook, Gary L.: The time course of glutamate in the synaptic cleft. p1498 27 Nov 1992.
- Clerici, Mario and Shearer, Gene M.: UV light exposure and HIV replication (letter). p1070 13 Nov 1992.
- Clinton, Bill. See Bush, George.
- Coates, Thomas J. See Catania, Joseph A.
- Coe, Robert S. See Renne, Paul R.
- Cohen, Gerson H. See Daopin, Sun.
- Cohen, Joel E.: Old words from the wise (letter). p876 6 Nov 1992.
- Cohen, Jon (news): AIDS clinical trial to go ahead. p1298 20 Nov 1992. AIDS vaccines: is older better? p1880 18 Dec 1992. Army investigates researcher's report of clinical trial data. p883 6 Nov 1992. Did political clout win vaccine trial for microGeneSys? p211 9 Oct 1992. Dingell rips Healy for 'obstructionism.' p1729 11 Dec 1992. Explaining puzzling vaccine results. p1881 18 Dec 1992. Exploring other surrogate markers. p389 16 Oct 1992. How should 'therapeutic vaccines' be tested? p538 23 Oct 1992. Lobbying for an AIDS trial. p536 23 Oct 1992. MicroGeneSys vaccine trial gets a public peer review. p1079 13 Nov 1992. NIH panel OK's vaccine test—in a new form. p1569 4 Dec 1992. Pediatric AIDS vaccine trials set. p1568 4 Dec 1992. Searching for markers on the AIDS trail. p388 16 Oct 1992. Trials set in high-risk populations. p1729 11 Dec 1992.
- Cole, Kenneth W. See Mazur, Peter.
- Cole, Ronald B. and Basu, Asish R.: Middle Tertiary volcanism during ridge-trench interactions in western California. p793 30 Oct 1992.
- Cole, S. P. C.; Bhardwaj, G.; Gerlach, J. H.; Mackie, J. E.; Grant, C. E.; Almquist, K. C.; Stewart, A. J.; Kurz, E. U.; Duncan, A. M. V.; Deeley, R. G.: Overexpression of a transporter gene in a multidrug-resistant human lung cancer cell line. p1650 4 Dec 1992.
- Coleman, Drew S.; Frost, Thomas P.; Glazner, Allen F.: Evidence from the Lamarck grano-

- diorite from rapid Late Cretaceous crust formation in California. p1924 18 Dec 1992.
- Colvocoresses, Alden P.: Landsats old and new (letter). p205 9 Oct 1992.
- Conrad, Peter: review of *Framing Disease*, edited by Charles E. Rosenberg and Janet Golden. p334 9 Oct 1992.
- Cooper, William E.: NSF's new home (letter). p15 2 Oct 1992.
- Coplen, Tyler B. See Winograd, Isaac J.
- Corboy, John R.; Buzy, Jeanine M.; Zink, M. Christine; Clements, Janice E.: Expression directed from HIV long terminal repeats in the central nervous system of transgenic mice. p1804 11 Dec 1992.
- Corrman, John M.: The federal budget and special interests (letter). p1070 13 Nov 1992.
- Correll, Carl C.; Batie, Christopher J.; Ballou, David P.; Ludwig, Martha L.: Phthalate dioxygenase reductase: a modular structure for electron transfer from pyridine nucleotides to [2Fe-2S]. p1604 4 Dec 1992.
- Cortelli, Pietro. See Goldfarb, Lev G.
- Corzett, M. See Da Silva, L. B.
- Cosson, Pierre and Bonifacio, Juan S.: Role of transmembrane domain interactions in the assembly of class II MHC molecules. p659 23 Oct 1992.
- Costello, C. See Ade, H.
- Cotton, F. Albert: Concerning the future of the NSF (editorial). p379 16 Oct 1992.
- Craig, H. See Farley, K. A.
- Creutz, Carl E.: The annexins and exocytosis. p924 6 Nov 1992.
- Crews, Craig M.; Alessandrini, Alessandro; Erikson, Raymond L.: The primary structure of MEK, a protein kinase that phosphorylates the ERK gene product. p478 16 Oct 1992.
- Cronin, Thomas M. See Dowsett, Harry J.
- Cross, Alan. See Bowen, David.
- Crothers, Donald M. See Roberts, Richard W.
- Cruickshank, Alexander M.: Gordon Research Conferences. p321 9 Oct 1992. Gordon Research Conferences—"Frontiers of Science": 1993 schedule: New Hampshire & Rhode Island. p1380 20 Nov 1992.
- Csillag, Cláudio and Aldhous, Peter (news): Signs of damage by radicals. p1875 18 Dec 1992.
- Culhane, L. See Acton, L.
- Cullen, John J.; Neale, Patrick J.; Lesser, Michael P.: Biological weighting function for the inhibition of phytoplankton photosynthesis by ultraviolet radiation. p646 23 Oct 1992.
- Culotta, Elizabeth (minorities in science): Black colleges cultivate scientists. p1216 13 Nov 1992. Boom time for black colleges? p1216 13 Nov 1992. Culture shock: living in two worlds. p1210 13 Nov 1992. Identity crisis: teaching v. research. p1223 13 Nov 1992. Scientists of the future: jumping high hurdles. p1209 13 Nov 1992. A trio of teaching successes. p1217 13 Nov 1992.
- _____ : Molecule of the year; NO news is good news. p1862 18 Dec 1992.
- _____ and Gibbons, Ann (minorities in science): Two generations of struggle. p1176 13 Nov 1992.
- Culver, Kenneth W. See Blaese, R. Michael.
- Cunningham, Richard P. See Kuo, Che-Fu.
- Curtsinger, James W.; Fukui, Hidenori H.; Townsend, David R.; Vaupel, James W.: Demography of genotypes: failure of the limited life-span paradigm in *Drosophila melanogaster*. p461 16 Oct 1992.
- Czaja, Inge. See Hayashi, Hiroaki.
- Czajak, Susan C. See Daniel, Muthiah D.
- Czaminske, G. K. See Campbell, I. H.
- Dailey, Michael E. See O'Rourke, Nancy A.
- Dallman, Mary F.: review of *Perturbing the Organism*, by Herbert Weiner. p1970 18 Dec 1992.
- Daly, John W. See Dumbacher, John P.
- Daniel, Muthiah D.; Kirchhoff, Frank; Czajak, Susan C.; Sehgal, Prabhat K.; Desrosiers, Ronald C.: Protective effects of a live attenuated SIV vaccine with a deletion in the *nef* gene. p1938 18 Dec 1992.
- Daopin, Sun; Cohen, Gerson H.; Davies, David: Structural similarity between transforming growth factor- β 2 and nerve growth factor (technical comment). p1160 13 Nov 1992.
- Darnell, James E., Jr. See Shuai, Ke.
- Da Silva, L. B.; Trebes, J. E.; Balhorn, R.; Mrowka, S.; Anderson, E.; Attwood, D. T.; Barbee, T. W., Jr.; Brase, J.; Corzett, M.; Gray, J.; Koch, J. A.; Lee, C.; Kern, D.; London, R. A.; MacGowan, B. J.; Matthews, D. L.; Stone, G.: X-ray laser microscopy of rat sperm nuclei. p269 9 Oct 1992.
- Daube, Shirley S. and von Hippel, Peter H.: Functional transcription elongation complexes from synthetic RNA-DNA bubble duplexes. p1320 20 Nov 1992.
- Davies, David. See Daopin, Sun.
- Davis, Ronald W. See Lloyd, Alan M.
- Davis, Theresa A. See Sette, Alessandro.
- Dawson, Marcia I. See Lehmann Jürgen M.
- Dean, Dennis R. See Wolle, Dana.
- Deeley, R. G. See Cole, S. P. C.
- Deen, D. F. See Tofilon, P. J.
- Dehairs, Frank; Baeyens, Willy; Goeyens, Leo: Accumulation of suspended barite at mesopelagic depths and export production in the Southern Ocean. p1332 20 Nov 1992.
- DeMars, Robert. See Sette, Alessandro.
- Deonaran, Mahendra P. See Scrutton, Nigel S.
- Derfler, Bruce. See Georgopoulos, Katia.
- Desai, Suresh M. See Farci, Patrizia.
- Desimone, Robert: The physiology of memory: recordings of things past. p245 9 Oct 1992.
- Desrosiers, Ronald C. See Daniel, Muthiah D.
- Devane, William A.; Hanuš, Lumir; Breuer, Aviva; Pertwee, Roger G.; Stevenson, Lesley A.; Griffin, Graeme; Gibson, Dan; Mandelbaum, Asher; Ettinger, Alexander; Mechoulam, Raphael: Isolation and structure of a brain constituent that binds to the cannabinoid receptor. p1946 18 Dec 1992.
- DeVolpi, A. and Rhodes, E. A.: Detecting explosives (letter). p14 2 Oct 1992.
- Dhingra, Sandeep and Kanatzidis, Mercouri G.: Open framework structure based on Se_x^{2-} fragments: synthesis of $(\text{Ph}_4\text{P})[\text{M}(\text{Se}_6)_2]$ ($\text{M} = \text{Ga}, \text{In}, \text{Tl}$) in molten $(\text{Ph}_4\text{P})_2\text{Se}_x$. p1769 11 Dec 1992.
- Diaz, Manuel O. See Cannon-Albright, Lisa A.
- Dickman, Steven (news): An academic reincarnation. p26 2 Oct 1992. Cut off from the mainstream Ukrainian science drifts. p24 2 Oct 1992. A lifetime of struggle to do good science. p25 2 Oct 1992.
- Diedrich, Drake L. and Anderson, James B.: An accurate quantum Monte Carlo calculation of the barrier height for reaction $\text{H} + \text{H}_2 \rightarrow \text{H}_2 + \text{H}$. p786 30 Oct 1992.
- Dinarelli, Charles A. See Porat, Reuven.
- Dingwall, Colin and Laskey, Ronald: The nuclear membrane. p942 6 Nov 1992.
- DiPietro, Luisa A. See Koch, Alisa E.
- Dirksen, Ellen R. See Boitano, Scott.
- DiVincenzo, David P. See Awschalom, David D.
- Dixon, David: review of *The Chemical Bond*, edited by Ahmed Zewail. p143 2 Oct 1992.
- Djerassi, Carl: Drugs from Third World plants: the future (letter). p203 9 Oct 1992.
- Dolcini, M. Margaret. See Catania, Joseph A.
- Doniach, Sebastian: The readers' NIH (letter). p531 23 Oct 1992.
- Donis-Keller, Helen. See Freije, Diha.
- Dorale, Jeffrey A.; González, Luis A.; Reagan, Mark K.; Pickett, David A.; Murrell, Michael T.; Baker, Richard G.: A high-resolution record of Holocene climate change in speleothem calcite from Cold Water Cave, northeast Iowa. p1626 4 Dec 1992.
- Doschek, G. See Acton, L.
- Dougherty, Thomas P.; Wiedlerrecht, Gary P.; Nelson, Keith A.; Garrett, Mark H.; Jensen, Hans P.; Warde, Cardinal: Femtosecond resolution of soft mode dynamics in structural phase transitions. p770 30 Oct 1992.
- Doughty, Paul. See Sinervo, Barry.
- Dowsett, Harry J.; Cronin, Thomas M.; Poore, Richard Z.; Thompson, Robert S.; Whitley, Robin C.; Wood, Adrian M.: Micropaleontological evidence for increased meridional heat transport in the North Atlantic Ocean during the Pliocene. p1133 13 Nov 1992.
- Drubin, David G. See Wertman, Kenneth F.
- Duda, Robert L. See Hendrix, Roger W.
- Dumbacher, John P.; Beehler, Bruce M.; Spande, Thomas F.; Garraffo, H. Martin; Daly, John W.: Homobatrachotoxin in the genus *Pitohui*: chemical defense in birds? p799 30 Oct 1992.
- Duncan, A. M. V. See Cole, S. P. C.
- Dunlap, Kathleen. See Turner, Timothy J.
- Dunn, John J. See Kieleczawa, Jan.

E and F

- Edmond, J. M.: Himalayan tectonics, weathering processes, and the strontium isotope record in marine limestones. p1594 4 Dec 1992.
- Edwards, Robert H. See Evans, Christopher J.
- Eisenberg, Claude. See Wetterau, John R.
- Eisenberg, Leon: AAUP's role (letter). p16 2 Oct 1992.
- Eiser, Erika. See Steiner, Ullrich.
- Elner, Susan G. See Koch, Alisa E.
- Elner, Victor M. See Koch, Alisa E.
- Engle, Ronald. See Farci, Patrizia.
- Eom, C. B.; Cava, R. J.; Fleming, R. M.; Phillips, Julia M.; van Dover, R. B.; Marshall, J. H.; Hsu, J. W. P.; Krajewski, J. J.; Peck, W. F., Jr.: Single-crystal epitaxial thin films of the isotropic metallic oxides $\text{Sr}_{1-x}\text{Ca}_x\text{RuO}_3$ ($0 \leq x \leq 1$). p1766 11 Dec 1992.
- Erickson, Harold P. See Leahy, Daniel J.
- Erikson, Raymond L. See Crews, Craig M.
- Ernesto, Marcia. See Renne, Paul R.
- Estus, Steven. See Shoji, Mikio.
- Ettinger, Alexander. See Devane, William A.
- Evans, Christopher J.; Keith, Duane E., Jr.; Morrison, Heather; Magendzo, Karin; Edwards, Robert H.: Cloning of a delta opioid receptor by functional expression. p1952 18 Dec 1992.
- Evans, Tony. See Hart, Matthew J.
- Faber, Donald S.; Young, William S.; Legendre, Pascal; Korn, Henri: Intrinsic quantal variability due to stochastic properties of receptor-transmitter interactions. p1494 27 Nov 1992.
- Fahnestock, Margaret L.; Tamir, Ilana; Narhi, Linda; Bjorkman, Pamela J.: Thermal stability comparison of purified empty and peptide-filled forms of a class I MHC molecule. p1658 4 Dec 1992.
- Faith, Daniel P. See Ballard, J. William O.
- Fanjui, Andrea. See Lehmann Jürgen M.
- Farci, Patrizia; Alter, Harvey J.; Govindarajan, Sugantha; Wong, Doris C.; Engle, Ronald; Lesniewski, Richard R.; Mushahwar, Isa K.; Desai, Suresh M.; Miller, Roger H.; Ogata, Norio; Purcell, Robert H.: Lack of protective immunity against reinfection with hepatitis C virus. p135 2 Oct 1992.
- Farley, K. A. and Craig, H.: Mantle plumes and mantle sources (technical comment). p821 30 Oct 1992.
- Farr, Christine J. and Goodfellow, Peter N.: Hidden messages in genetic maps. p49 2 Oct 1992.
- Fathman, C. Garrison. See Gaur, Amitabh.
- Faust, Bruce C.: Hydrogen bonding (letter). p381 16 Oct 1992.
- Fedorenko, V. A. See Campbell, I. H.
- Feix, Jimmy B. See Rutz, Jeanette M.
- Feldman, H. See Zajfman, D.
- Fendrich, Robert; Wessinger, C. Mark; Gazzaniga, Michael S.: Residual vision in a scotoma: implications for blindsight. p1489 27 Nov 1992.
- Fetters, Lewis J. See Steiner, Ullrich.
- Finzi, Laura. See Smith, Steven B.
- Fiory, A. T. See Haddon, R. C.

- Fischer, Wolfgang H. See Schulte, Roberta J.
 Fisher, Cindy L. See Kuo, Che-Fu.
 Fishman-Lobell, Jacqueline and Haber, James E.: Removal of nonhomologous DNA ends in double-strand break recombination: the role of the yeast ultraviolet repair gene *RAD1*. p480 16 Oct 1992.
 Flam, Faye (news): Breakfast of a champion? p1433 27 Nov 1992. Community asks: has Sam Ting found a new particle? p1441 27 Nov 1992. Found: messengers from the interstellar medium. p549 23 Oct 1992. Hubble captures a zoo of ancient galaxies. p1733 11 Dec 1992. Japan bids for U.S. basic research. p1428 27 Nov 1992. Peering through a lens, sharply. p393 16 Oct 1992. Satellite images display the galaxy's new colors. p890 6 Nov 1992. Survival of the fittest in 1992's physics and astronomy bestiary. p1884 18 Dec 1992. Taking the long view of computing's future. p1428 27 Nov 1992. What kind of a galaxy is this, anyway? p891 6 Nov 1992. See also Myers, Fred.
 Fleming, R. M. See Eom, C. B.
 Florig, H. Keith: EMF research (letter). p1869 18 Dec 1992.
 Fomenkova, M. N.; Kerridge, J. F.; Marti, K.; McFadden, L.-A.: Compositional trends in rock-forming elements of comet Halley dust. p266 9 Oct 1992.
 Foote, Mike and Gould, Stephen Jay: Cambrian and Recent morphological disparity (technical comment). p1816 11 Dec 1992.
 Foote, Simon. See Vollrath, Douglas.
 ———; Vollrath, Douglas; Hilton, Adrienne; Page, David C.: The human Y chromosome: overlapping DNA clones spanning the euchromatic region. p60 2 Oct 1992.
 Ford, C. E. See Tonucci, R. J.
 Forester, Andrew J.: Epistemology and anthropology (letter). p15 2 Oct 1992.
 Fortey, Richard A. See Briggs, Derek E. G.
 Fortuin, J. P. F. See Oerlemans, J.
 Fountain, Jane W. See Cannon-Albright, Lisa A.
 Franchi, I. A. See Gilmour, I.
 Francis, Paul. See Bowen, David.
 Frangione, Blas. See Shoji, Mikio.
 Frederick, Tom: The readers' NIH (letter). p531 23 Oct 1992.
 Freije, Diha; Helms, Cynthia; Watson, Michael S.; Donis-Keller, Helen: Identification of a second pseudautosomal region near the Xq and Yq telomeres. p1784 11 Dec 1992.
 French, Sarah: Consequences of replication fork movement through transcription units in vivo. p1362 20 Nov 1992.
 Freskgård, Per-Ola; Bergenhem, Nils; Jonsson, Bengt-Harald; Svensson, Magdalena; Carlsson, Uno: Isomerase and chaperone activity of prolyl isomerase in the folding of carbonic anhydrase. p466 16 Oct 1992.
 Friedman, Eli. See Makita, Zenji.
 Frost, Rex K. See Bandy, Ralph E.
 Frost, Thomas P. See Coleman, Drew S.
 Fryxell, Bruce A. See Burrows, Adam.
 Fuchs, Ephraim J. and Matzinger, Polly: B cells turn off virgin but not memory T cells. p1156 13 Nov 1992.
 Fukao, Yoshio: Seismic tomogram of the Earth's mantle: geodynamic implications. p625 23 Oct 1992.
 Fukui, Hidenori H. See Curtsinger, James W.
 Garcia, Irène; Martinou, Isabelle; Tsujimoto, Yoshihide; Martinou, Jean-Claude: Prevention of programmed cell death of sympathetic neurons by the *bcl-2* proto-oncogene. p302 9 Oct 1992.
 Gardner, Charles A.: The readers' NIH (letter). p530 23 Oct 1992.
 Garraffo, H. Martin. See Dumbacher, John P.
 Garrett, Mark H. See Dougherty, Thomas P.
 Gartsman, Konstantin. See Cahen, David.
 Gaur, Amitabh; Wiers, Brook; Liu, Angela; Rothbard, Jonathan; Fathman, C. Garrison: Amelioration of autoimmune encephalomyelitis by myelin basic protein synthetic peptide-induced anergy. p1491 27 Nov 1992.
 Gay, Gerard. See Wetterau, John R.
 Gazzaniga, Michael S. See Fendrich, Robert.
 Gearing, A. J. H. See Lehner, T.
 Geller, Robert J.: Tenure for foreigners in Japan (letter). p1421 27 Nov 1992.
 Georgopoulos, Katia; Moore, David D.; Derfler, Bruce: Ikaros, an early lymphoid-specific transcription factor and a putative mediator for T cell commitment. p808 30 Oct 1992.
 Gerlach, J. H. See Cole, S. P. C.
 Ghiso, Jorge. See Shoji, Mikio.
 Gho, M.; McDonald, K.; Ganetzky, B.; Saxton, W. M.: Effects of kinesin mutations on neuronal functions. p313 9 Oct 1992.
 Gibbons, Ann (news): In biotechnology, Japanese yen for American expertise. p1431 27 Nov 1992. Databasing the brain. p1872 18 Dec 1992. Scripps signs a deal with Sandoz. p1570 4 Dec 1992. Women's health issues take center stage at the IOM. p733 30 Oct 1992. (minorities in science): Growing scientists for the 21st century. p1195 13 Nov 1992. Minority programs that get high marks. p1190 13 Nov 1992. See also Culotta, Elizabeth.
 Gibbs, Richard A.; Taylor, Scott; Benkovic, Stephen J.: Antibody-catalyzed rearrangement of the peptide bond. p803 30 Oct 1992.
 Gibson, Dan. See Devane, William A.
 Gibson, Sue. See Arondel, Vincent.
 Gilet, Jean-Marc. See Cahen, David.
 Gilmour, I.; Russell, S. S.; Arden, J. W.; Lee, M. R.; Franchi, I. A.; Pillinger, C. T.: Terrestrial carbon and nitrogen isotopic ratios from Cretaceous-Tertiary boundary nanodiamonds. p1624 4 Dec 1992.
 Glazner, Allen F. See Coleman, Drew S.
 Glen, Jonathan M. See Renne, Paul R.
 Goeyens, Leo. See Dehairs, Frank.
 Goguen, Jon D. See Sodeinde, Ola A.
 Gold, Lois Swirsky; Slone, Thomas H.; Stern, Bonnie R.; Manley, Neela B.; Ames, Bruce N.: Rodent carcinogens: setting priorities. p261 9 Oct 1992.
 Goldberg, Daniel E. See Sherman, David R.
 Golde, Todd E. See Shoji, Mikio.
 Golden, Teresa D. See Switzer, Jay A.
 Goldfarb, Lev G.; Petersen, Robert B.; Tabaton, Massimo; Brown, Paul; LeBlanc, Andréa C.; Montagna, Pasquale; Cortelli, Pietro; Julien, Jean; Vital, Claude; Pendelbury, William W.; Haltia, Matti; Wills, Peter R.; Hauw, Jean J.; McKeever, Paul E.; Monari, Lucia; Schrank, Bertold; Swergold, Gary D.; Auttilo-Gambetti, Lucila; Gajdusek, D. Carleton; Lugaresi, Elio; Gambetti, Pierluigi: Fatal familial insomnia and familial Creutzfeldt-Jakob disease: disease phenotype determined by a DNA polymorphism. p806 30 Oct 1992.
 Goldgar, David E. See Cannon-Albright, Lisa A.
 Goldstein, Gary R.: Top quark search: more clarification (letter). p875 6 Nov 1992.
 Goles, Gordon G.: The formation of fullerenes (letter). p1718 11 Dec 1992.
 Golombek, Matthew P.; Banerdt, W. Bruce; Tanaka, Kenneth L.; Tralli, David M.: A prediction of Mars seismicity from surface faulting. p979 6 Nov 1992.
 Golovchenko, Jene. See Hwang, Ing-Shouh.
 Gonfiantini, Roberto. See Rozanski, Kazimierz.
 González, Luis A. See Dorale, Jeffrey A.
 Goodby, J. See Ihn, K. J.
 Goodfellow, Peter N. See Farr, Christine J.
 Goodman, D. Wayne. See Xu, Xueping.
 Goodman, Howard M. See Arondel, Vincent.
 Goodstein, David: review of *Stealing into Print*, by Marcel C. LaFollette. p1503 27 Nov 1992.
 Goranson, Joanne. See Rutz, Jeanette M.
 Gould, Stephen Jay. See Foote, Mike.
 Govindarajan, Sugantha. See Farci, Patrizia.
 Granick, Steve. See Hu, Hsuan-Wei.
 Grant, C. E. See Cole, S. P. C.
 Grant, Seth G. N.; O'Dell, Thomas J.; Karl, Kevin A.; Stein, Paul L.; Soriano, Philippe; Kandel, Eric R.: Impaired long-term potentiation, spatial learning, and hippocampal development in *fyn* mutant mice. p1903 18 Dec 1992.
 Gray, Harry B. See Beratan, David N.
 Gray, J. See Da Silva, L. B.
 Gray, Joe W. See Kallioniemi, Anne.
 Green, Monica H.: review of *A World without Women*, by David F. Noble. p829 30 Oct 1992.
 Green, Rachel and Szostak, Jack W.: Selection of a ribozyme that functions as a superior template in a self-copying reaction. p1910 18 Dec 1992.
 Gregg, Richard E. See Wetterau, John R.
 Grever, Michael R. See Weinstein, John N.
 Grey, Howard M. See Sette, Alessandro.
 Griffin, Graeme. See Devane, William A.
 Grimaldi, David: review of *Life in Amber*, by George O. Poinar, Jr. p1822 11 Dec 1992.
 Grove, Elizabeth A. See Kirkwood, Thomas B. L.
 Groves, Robert. See Catania, Joseph A.
 Growdon, John H. See Nitsch, Roger M.
 Guest, Gerald B.: Use of animal drugs (letter). p381 16 Oct 1992.
 Guinn, Brett. See Sherman, David R.
 Haber, James E. See Fishman-Lobell, Jacqueline.
 Hacker, B. R.; Kirby, S. H.; Bohlen, S. R.: Time and metamorphic petrology: calcite to aragonite experiments. p110 2 Oct 1992.
 Haddon, R. C.; Kochanski, G. P.; Hebard, A. F.; Fiory, A. T.; Morris, R. C.: Electrical resistivity and stoichiometry of Ca_xC_{60} and Sr_xC_{60} films. p1636 4 Dec 1992.
 Haefner, Pamela. See Lehmann Jürgen M.
 Halenbeck, Robert. See Pandit, Jayvardhan.
 Hall, Jerry W. See Mazur, Peter.
 Halsey, Thomas C.: Electrorheological fluids. p761 30 Oct 1992.
 Haltia, Matti. See Goldfarb, Lev G.
 Hamanaka, Toshiaki. See Wakabayashi, Katsuzo.
 Hamilton, David P. (news): Clinton's technology agenda. p1076 13 Nov 1992. Congress: a familiar face amid turmoil. p1076 13 Nov 1992. A consensus on reform begins to take shape. p737 30 Oct 1992. NIH's strategic planning Rorschach blot. p882 6 Nov 1992. Science jobs: who will get lost in transition? p1078 13 Nov 1992. Who's who among science advisers. p393 16 Oct 1992. (science in Japan): Battling against entropy. p574 23 Oct 1992. Closing the culture gap. p576 23 Oct 1992. Has Tsukuba put its worst day behind it? p572 23 Oct 1992. If at first you don't succeed. . . . p572 23 Oct 1992. Industry steps in to fill the gap in basic research. p570 23 Oct 1992. See also Anderson, Alun. See also Marshall, Eliot. See also Myers, Fred.
 Hannaway, Caroline: review of *Medical Journals and Medical Knowledge*, edited by W. F. Bynum, Stephen Lock, and Roy Porter. p1382 20 Nov 1992.
 Hannon, Gregory J.; Maroney, Patricia A.; Yu, Yi-Tao; Hannon, Gretchen E.; Nilsen, Timothy W.: Interaction of U6 snRNA with a sequence required for function of the nematode SL RNA in trans-splicing. p1775 11 Dec 1992.
 Hannon, Gretchen E. See Hannon, Gregory J.
 Hanuš, Lumir. See Devane, William A.
 Hanvey, Jeffery C.; Pepper, Nancy J.; Bisi, John E.; Thomson, Stephen A.; Cadilla, Rodolfo; Josey,

G and H

- John A.; Ricca, Daniel J.; Hassman, C. Fred; Bonham, Michele A.; Au, Karin G.; Carter, Stephen G.; Bruckenstein, David A.; Boyd, Ann L.; Noble, Stewart A.; Babiss, Lee E.: Antisense and antigene properties of peptide nucleic acids. p1481 27 Nov 1992.
- Hardin, Christopher: New observations (letter). p1071 13 Nov 1992.
- Harlow, David H.; White, Randall A.; Cifuentes, Ines Lucia; Q., Arturo Aburto: Forecast of earthquake in Western Nicaragua (letter). p726 30 Oct 1992.
- Harlow, Lisa A. See Koch, Alisa E.
- Harmon, J. K. and Slade, M. A.: Radar mapping of Mercury: full-disk images and polar anomalies. p640 23 Oct 1992.
- Hart, Matthew J.; Maru, Yoshiro; Leonard, David; Witte, Owen N.; Evans, Tony; Cerione, Richard A.: A GDP dissociation inhibitor that serves as a GTPase inhibitor for the Ras-like protein CDC42Hs. p812 30 Oct 1992.
- Hart, Stanley R.; Hauri, E. H.; Oschmann, L. A.; Whitehead, J. A.: Mantle plumes and mantle sources (technical comment). p821 30 Oct 1992.
- Hartl, F. Ulrich. See Martin, Jörg.
- Hasegawa, Hajime; Skach, William; Baker, Oliver; Calayag, M. Clara; Lingappa, V.; Verkman, A. S.: A multifunctional aqueous channel formed by CFTR. p1477 27 Nov 1992.
- Hasegawa, Y. and Avouris, Ph.: Manipulation of the reconstruction of the Au(111) surface with the STM. p1763 11 Dec 1992.
- Hassman, C. Fred. See Hanvey, Jeffery C.
- Hauri, E. H. See Hart, Stanley R.
- Hauw, Jean J. See Goldfarb, Lev G.
- Hayashi, Hiroaki; Czaja, Inge; Lubenow, Helge; Schell, Jeff; Walden, Richard: Activation of a plant gene by T-DNA tagging: auxin-independent growth in vitro. p1350 20 Nov 1992.
- Hays, Samuel P.: review of *Toward Unity Among Environmentalists*, by Bryan G. Norton, and *After Earth Day*, edited by Max Oelschläger. p1822 11 Dec 1992.
- Hearst, Norman. See Catania, Joseph A.
- Heath, James R.: A liquid-solution-phase synthesis of crystalline silicon. p1131 13 Nov 1992.
- Hebard, A. F. See Haddon, R. C.
- Heber, O. See Zajfman, D.
- Heeger, A. J. See Sariciftci, N. S.
- Hegi, Monika E. See Cannon-Albright, Lisa A.
- Heginbotham, Lise; Abramson, Tatiana; MacKinnon, Roderick: A functional connection between the pores of distantly related ion channels as revealed by mutant K⁺ channels. p1152 13 Nov 1992.
- Heintzenberg, Jost. See Lelieveld, Jos.
- Helms, Cynthia. See Freije, Diha.
- Hemphill-Haley, Eileen. See Bucknam, Robert C.
- Henderson, Louis E. See Arthur, Larry O.
- Henderson, Rebecca: review of *Managing the Medical Arms Race*, by Susan Bartlett Foote. p831 30 Oct 1992.
- Hendey, Bill; Klee, Claude B.; Maxfield, Frederick R.: Inhibition of neutrophil chemokinesis on vitronectin by inhibitors of calcineurin. p296 9 Oct 1992.
- Hendrickson, Wayne A. See Leahy, Daniel J.
- Hendrix, Roger W. and Duda, Robert L.: Bacteriophage λ PaPa: not the mother of all λ phages. p1145 13 Nov 1992.
- Henn, Rainer. See Seidler, Horst.
- Herbertz, Heinrich and Müller-Hill, Benno: European research institutes (letter). p1069 13 Nov 1992.
- Hermier, Michel. See Weterau, John R.
- Hernández, Oscar: Top quark search (letter). p13 2 Oct 1992.
- Herskowitz, Ira. See Yoshinaga, Steven K.
- Hertz, Marc. See Clark, Marcus R.
- Hesse, Sabine V. See Sherman, Linda A.
- Heston, Leonard L. See Schellenberg, Gerard D.
- Hiebert, Franz K. and Bennett, Philip C.: Microbial control of silicate weathering in organic-rich ground water. p278 9 Oct 1992.
- Hiei, E. See Acton, L.
- Hill, R. I. See Campbell, I. H.
- Hille, Bertil: review of *Chance and Design*, by Alan Hodgkin. p144 2 Oct 1992.
- Hilton, Adrienne. See Foote, Simon. See also Vollrath, Douglas.
- Hirano, Yukihiro: Public and private support of basic research in Japan. p582 23 Oct 1992.
- Hirayama, T. See Acton, L.
- Hirsch, J. E.: Theory and experiment in high-temperature superconductivity (technical comment). p672 23 Oct 1992.
- Hitt, Anne L. See Luna, Elizabeth J.
- Ho, Chung-Ru. See Yan, Xiao-Hai.
- Hodges, K. V.; Parrish, R. R.; Housh, T. B.; Lux, D. R.; Burchfiel, B. C.; Royden, L. H.; Chen, Z.: Simultaneous Miocene extension and shortening in the Himalayan orogen. p1466 27 Nov 1992.
- Hoeveler, J. David, Jr.: review of *The Creationists*, by Ronald L. Numbers. p487 16 Oct 1992.
- Hoffman, Ray J. See Ludwig, Kenneth R.
- Hofmann, Alan F.: The readers' NIH (letter). p532 23 Oct 1992.
- Holden, Constance (news): Scientists' campaign to save Earth. p1433 27 Nov 1992. Soros Foundation launches \$100 million relief effort. p1726 11 Dec 1992. Study flunks science and math tests. p541 23 Oct 1992. (minorities in science): The burdens of success. p1206 13 Nov 1992. Jumping racial barriers. p1205 13 Nov 1992. Minority survivors tell their tales. p1204 13 Nov 1992.
- Honjo, Tasuku: *Seppuku* and autoimmunity. p591 23 Oct 1992.
- Horwich, Arthur L. See Martin, Jörg.
- Houghton, R. A. See Rastetter, Edward B.
- Housh, T. B. See Hodges, K. V.
- Howard, James Bryant. See Wolle, Dana.
- Hoy, Ronald R. See Robert, Daniel.
- Hsu, J. W. P. See Eom, C. B.
- Hu, Hsuan-Wei and Granick, Steve: Viscoelastic dynamics of confined polymer melts. p1339 20 Nov 1992.
- Hudes, Estie. See Catania, Joseph A.
- Hudson, H. See Acton, L.
- Huey, Raymond B. See Sinervo, Barry.
- Hung, Chen-Jen. See Switzer, Jay A.
- Hunt, Donald F. See Sette, Alessandro.
- Hussain, L. See Lehner, T.
- Hwang, Ing-Shouh and Golovchenko, Jene: Observation of metastable structural excitations and concerted atomic motions on a crystal surface. p1119 13 Nov 1992.
- Hwang, Inhwan. See Arondel, Vincent.

I-K

- Ihn, K. J.; Zasadzinski, J. A. N.; Pindak, R.; Slaney, A. J.; Goodby, J.: Observations of the liquid-crystal analog of the Abrikosov phase. p275 9 Oct 1992.
- Ikegami, Naoki: The economics of health care in Japan. p614 23 Oct 1992.
- Inside AAAS: AAAS members rewarded for distinguished efforts. p823 30 Oct 1992. AAAS 1992 election results. p1963 18 Dec 1992. AAAS purchases land for new headquarters. p1962 18 Dec 1992. Call for proposals. p824 30 Oct 1992. New member benefit. p1964 18 Dec 1992. Science and politics. p1964 18 Dec 1992. Working with Congress. p1964 18 Dec 1992.
- Inoue, Yorinao. See Ono, Taka-aki.
- Irwin, Michael J. See Sherman, Linda A.
- Isaksen, Mai F. See Jørgenson, Bo Barker.
- Ishii, Hiroyuki. See Blaese, R. Michael.
- Ishii, K. See Schmidt, H. H. H. W.
- Jackson, Matthew: review of *Sourcebook of Bacterial Protein Toxins*, edited by J. E. Alouf and J. H. Freer. p1673 4 Dec 1992.
- Jacoby, Gordon C.; Williams, Patrick L.; Buckley, Brendan M.: Tree ring correlation between pre-historic landslides and abrupt tectonic events in Seattle, Washington. p1621 4 Dec 1992.
- Jaehning, Judith A. See Sze, Ji-Ying.
- Jahr, Craig E. See Clements, John D.
- Jakschik, Barbara A. See Zhang, Yan.
- Jakubowicz, Abram. See Cahen, David.
- Jancarik, Jarmila. See Pandit, Jayvardhan.
- Jannasch, Holger W. See Jørgenson, Bo Barker.
- Janzen, Daniel H.: Yucatan meteor: the real impact (letter). p1071 13 Nov 1992.
- Jarlier, Vincent. See Trias, Joaquim.
- Jasny, Barbara R.: Genome delight (editorial). p11 2 Oct 1992.
- Jaumé, Steven C. and Sykes, Lynn R.: Changes in state of stress on the southern San Andreas fault resulting from the California earthquake sequence of April to June 1992. p1325 20 Nov 1992.
- Jayawardhana, Ray (news): Tracing the Milky Way's rough-and-tumble youth. p1439 27 Nov 1992.
- Jena, P. See Reddy, B. V.
- Jenkins, Timothy M.; Saxena, Jitendra K.; Kumar, Amalendra; Wilson, Samuel H.; Ackerman, Eric J.: DNA polymerase β and DNA synthesis in *Xenopus* oocytes and in a nuclear extract. p475 16 Oct 1992.
- Jensen, Hans P. See Dougherty, Thomas P.
- Johal, Gurmukh S. and Briggs, Steven P.: Reductase activity encoded by the Hm1 disease resistance gene in maize. p985 6 Nov 1992.
- Johnson, Gary L. See Watkins, David C.
- Johnson, Kenneth A. See Bevilacqua, Philip C.
- Johnson, M. L. See Lampl, M.
- Johnson, Philip R. See Chatterjee, Saswati.
- Johnson, Sara A. See Clark, Marcus R.
- Johnson, Steven W.; Seutin, Vincent; North, R. Alan: Burst firing in dopamine neurons induced by N-methyl-D-aspartate: role of electrogenic sodium pump. p665 23 Oct 1992.
- Jong, Ling. See Lehmann Jürgen M.
- Jonsson, Bengt-Harald. See Freskgård, Per-Ola.
- Jørgenson, Bo Barker; Isaksen, Mai F.; Jannasch, Holger W.: Bacterial sulfate reduction above 100°C in deep-sea hydrothermal vent sediments. p1756 11 Dec 1992.
- Josey, John A. See Hanvey, Jeffery C.
- Julien, Jean. See Goldfarb, Lev G.
- Justus, B. L. See Tonucci, R. J.
- Kallioniemi, Anne; Kallioniemi, Olli-P.; Sudar, Damir; Rutovitz, Denis; Gray, Joe W.; Waldman, Fred; Pinkel, Dan: Comparative genomic hybridization for molecular cytogenetic analysis of solid tumors. p818 30 Oct 1992.
- Kallioniemi, Olli-P. See Kallioniemi, Anne.
- Kanatidis, Mercouri G. See Dhingra, Sandeep.
- Kandel, Eric R. See Grant, Seth G. N.
- _____ and O'Dell, Thomas J.: Are adult learning mechanisms also used for development? p243 9 Oct 1992.
- Kang, Angray S. See Lerner, Richard A.
- Karl, Kevin A. See Grant, Seth G. N.
- Karlin, Arthur. See Akabas, Myles H.
- Karlin, Robert E. and Abella, Sally E. B.: Paleoequakes in the Puget Sound region recorded in sediments from Lake Washington, U.S.A. p1617 4 Dec 1992.
- Kaufman, L. See Lu, Z.-L.
- Kauppi, Pekka E.; Mielikäinen, Kari; Kuusela, Kullervo: Carbon budget estimates (letter). p382 16 Oct 1992.
- Kazlauskas, Andrius. See Clark, Marcus R.
- Keith, Duane E., Jr. See Evans, Christopher J.
- Kella, D. See Zajfman, D.
- Kellermann, K. I.: review of *Variability of Blazars*, edited by Esko Valtaoja and Mauri Valtonen. p145 2 Oct 1992.
- Kemp, Bruce E. See Knighton, Daniel R.
- Kent, Stephen; Milton, Raymond; Milton, Saskia: Left-handed comments (letter). p1290 20 Nov 1992.
- Kern, D. See Da Silva, L. B.
- Kerr, Richard A. (news): Earth gains a retinue of mini-asteroids. p403 16 Oct 1992. Good forecast, but missed prediction. p743 30 Oct 1992. A

- half-billion-year head start for life on land. p1082 13 Nov 1992. Having it both ways in the mantle. p1576 4 Dec 1992. A near-miss for North America. p1083 13 Nov 1992. Pinatubo fails to deepen the ozone hole. p395 16 Oct 1992. Quake heights concern, uncertainty. p1578 4 Dec 1992. A revisionist timetable for the ice ages. p220 9 Oct 1992. Seismologists issue a no-win earthquake warning. p742 30 Oct 1992. SETI faces uncertainty on earth and in the stars. p27 2 Oct 1992. A slow start for the flowering plants? p1082 13 Nov 1992. Theoreticians are putting a new spin on the planets. p548 23 Oct 1992.
- Kerridge, J. F. See Fomenkova, M. N.
- Khanna, S. N. See Reddy, B. V.
- Kieleczawa, Jan; Dunn, John J.; Studier, F. William: DNA sequencing by primer walking with strings of contiguous hexamers. p1787 11 Dec 1992.
- Kierzek, Ryszard. See Bevilacqua, Philip C.
- Kikawa, Eiichi and Ozawa, Kazuhito: Contribution of oceanic gabbros to sea-floor spreading magnetic anomalies. p796 30 Oct 1992.
- Kim, Kwang Shin and Le, Junming: IL-1 β and *Escherichia coli* (letter). p1562 4 Dec 1992.
- Kim, Stuart K. See Vaux, David L.
- Kim, Sung-Hou. See Pandit, Jayvardhan.
- King, Geoffrey C. P. See Stein, Ross S.
- Kingston, Robert E. See Workman, Jerry L.
- Kirby, S. H. See Hacker, B. R.
- Kirchhoff, Frank. See Daniel, Muthiah D.
- Kirkwood, Thomas B. L.; Price, Jack; Grove, Elizabeth A.: The dispersion of neuronal clones across the cerebral cortex (technical comment). p317 9 Oct 1992.
- Kirz, J. See Ade, H.
- Kishimoto, Tadamitsu; Akira, Shizuo; Taga, Tetsuya: Interleukin-6 and its receptor: a paradigm for cytokines. p593 23 Oct 1992.
- Kishore, Ganesh M. See Stark, David M.
- Kitajima, Isao; Shinohara, Toshiya; Bilakovics, James; Brown, David A.; Xu, Xiao; Nerenberg, Michael: Ablation of transplanted HTLV-1 Tax-transformed tumors in mice by antisense inhibition of NF- κ B. p1792 11 Dec 1992.
- Klavinskis, L. S. See Lehner, T.
- Klebb, Phillip E. See Rutz, Jeanette M.
- Klee, Claude B. See Hendey, Bill.
- Klein, Jacob. See Steiner, Ullrich.
- Klemas, Vic. See Yan, Xiao-Hai.
- Knighton, Daniel R.; Pearson, Richard B.; Sowadski, Janusz M.; Means, Anthony R.; Ten Eyck, Lynn F.; Taylor, Susan S.; Kemp, Bruce E.: Structural basis of the intrasteric regulation of myosin light chain kinases. p130 2 Oct 1992.
- Koch, Alisa E.; Polverini, Peter J.; Kunkel, Steven L.; Harlow, Lisa A.; DiPietro, Luisa A.; Elner, Victor M.; Elner, Susan G.; Strieter, Robert M.: Interleukin-8 as a macrophage-derived mediator of angiogenesis. p1798 11 Dec 1992.
- Koch, J. A. See Da Silva, L. B.
- Kochanski, G. P. See Haddon, R. C.
- Kohlhaw, Gunter B. See Sze, Ji-Ying.
- Kohn, Kurt W. See Weinstein, John N.
- Kohn, Izumi. See Wakabayashi, Katsuzo.
- Koizumi, Kenkichi: The challenge of joint research in Japan. p589 23 Oct 1992.
- Kolesar, Peter T. See Winograd, Isaac J.
- Kopelman, Raoul. See Tan, Weihong.
- Korn, Henri. See Faber, Donald S.
- Koshland, Daniel E., Jr. (editorials): A campaign for science. p1419 27 Nov 1992. The dimensions of the brain. p199 9 Oct 1992. Minorities in science. p1067 13 Nov 1992. Science in Japan. p527 23 Oct 1992. The molecule of the year. p1861 18 Dec 1992.
- Kosugi, T. See Acton, L.
- Koths, Kirston. See Pandit, Jayvardhan.
- Koutsoukos, Antonis D. See Weinstein, John N.
- Krajewski, J. J. See Eom, C. B.
- Kraut, Joseph. See Pelletier, Huguette.
- Kretsinger, Robert H.: Calmodulin and myosin light chain kinase: how helices are bent. p50 2 Oct 1992.
- Kubo, Ralph T. See Sette, Alessandro.
- Kumar, Amalendra. See Jenkins, Timothy M.
- Kunitake, Toyoki. See Sano, Masahito.
- Kunkel, Steven L. See Koch, Alisa E.
- Kuo, Che-Fu; McRee, Duncan E.; Fisher, Cindy L.; O'Handley, Suzanne F.; Cunningham, Richard P.; Tainer, John A.: Atomic structure of the DNA repair [4Fe-4S] enzyme endonuclease III. p434 16 Oct 1992.
- Kurz, E. U. See Cole, S. P. C.
- Kusunoki, Masami. See Ono, Taka-aki.
- Kuusela, Kullervo. See Kauppi, Pekka E.
- Kwiatkowski, David J. See Cannon-Albright, Lisa A.

L

- La Face, Drake. See Sherman, Linda A.
- Laasonen, Kari; Andreoni, Wanda; Parrinello, Michele: Structural and electronic properties of LaO₂C₈₂. p1916 18 Dec 1992.
- Lakshminarayan, Chitra. See Bandy, Ralph E.
- Lampl, M.; Veldhuis, J. D.; Johnson, M. L.: Saltation and stasis: a model of human growth. p801 30 Oct 1992.
- Landwehr, Jurate M. See Ludwig, Kenneth R. See also Winograd, Isaac J.
- Lang, J. See Acton, L.
- Laskey, Ronald. See Dingwall, Colin.
- Laskowski, Michael, Jr. See Brewster, James H.
- Lasky, Laurence A.: Selectins: interpreters of cell-specific carbohydrate information during inflammation. p964 6 Nov 1992.
- Le, Junming. See Kim, Kwang Shin.
- Leahy, Daniel J.; Hendrickson, Wayne A.; Aukhil, Ikramuddin; Erickson, Harold P.: Structure of a fibronectin type III domain from tenascin phased by MAD analysis of the selenomethionyl protein. p987 6 Nov 1992.
- LeBlanc, Andr  a C. See Goldfarb, Lev G.
- Lederman, Leon: The pre-druid super collider? (letter). p725 30 Oct 1992.
- Lee, C. See Da Silva, L. B.
- Lee, M. R. See Gilmour, I.
- Lee, Michael S. Y.: Cambrian and Recent morphological disparity (technical comment). p1816 11 Dec 1992.
- Legendre, Pascal. See Faber, Donald S.
- Lehmann J  rgen M.; Jong, Ling; Fanjui, Andrea; Cameron, James F.; Lu, Xian Ping; Haefner, Pamela; Dawson, Marcia I.; Pfahl, Magnus: Retinoids selective for retinoid X receptor response pathways. p1944 18 Dec 1992.
- Lehner, T.; Bergmeier, L. A.; Panagiotidi, C.; Tao, L.; Brookes, R.; Klavinskis, L. S.; Walker, P.; Walker, J.; Ward, R. G.; Hussain, L.; Gearing, A. J. H.; Adams, S. E.: Induction of mucosal and systemic immunity to a recombinant simian immunodeficiency viral protein. p1365 20 Nov 1992.
- Lelieveld, Jos and Heintzenberg, Jost: Sulfate cooling effect on climate through in-cloud oxidation of anthropogenic SO₂. p117 2 Oct 1992.
- Lemen, J. See Acton, L.
- Lemieux, Bertrand. See Arondel, Vincent.
- Leonard, David. See Hart, Matthew J.
- Leopold, Estella B. See Bucknam, Robert C.
- Lerner, Richard A.; Kang, Angray S.; Bain, Jim D.; Burton, Dennis R.; Barbas, Carlos F., III: Antibodies without immunization. p1313 20 Nov 1992.
- Leslie, Stuart W.: review of *The Rise of the Gunbelt*, by Anne Markusen, Peter Hall, Scott Campbell, and Sabina Deitrick. p1168 13 Nov 1992.
- Lesniewski, Richard R. See Farci, Patrizia.
- Lesser, Michael P. See Cullen, John J.
- Lester, Robin A. J. See Clements, John D.
- Levy, Dawn (minorities in science): Bridging tribal, technological worlds. p1231 13 Nov 1992. Puerto Rico exports hispanic scientists. p1191 13 Nov 1992.
- Lewis, Cathryn M. See Cannon-Albright, Lisa A.
- Liedo, Pablo. See Carey, James R.
- Lin, Jian. See Stein, Ross S.
- Lingappa, V. See Hasegawa, Hajime.
- Liotta, Lance A.: NIH expenditures: extramural versus intramural (letter). p1561 4 Dec 1992.
- Little, W. A.: review of *Organic Superconductors (Including Fullerenes)*, by Jack M. Williams, John R. Ferraro, Robert J. Thorn, K. Douglas Carlson, Urs Geiser, Hau H. Wang, Aravinda M. Kini, and Myung-Hwan Whangbo. p1384 20 Nov 1992.
- Liu, Angela. See Gaur, Amitabh.
- Liu, Jun. See Rutz, Jeanette M.
- Livingston, Katherine: review of *Bhatnagar Laureates (1958-91)*, compiled by Sushil Kumar and eight others. p1170 13 Nov 1992. review of *The Biology of Millipedes*, by Stephen P. Hopkin and Helen J. Read. p1015 6 Nov 1992. review of *Muscular Contraction*, edited by Robert M. Simmons. p1014 6 Nov 1992. review of *The Retroviridae*, edited by Jay A. Levy. p1170 13 Nov 1992.
- Lloyd, Alan M.; Walbot, Virginia; Davis, Ronald W.: *Arabidopsis* and *Nicotiana* anthocyanin production activated by maize regulators R and C1. p1773 11 Dec 1992.
- Loeffler, Cynthia M. See Mizoguchi, Hiromoto.
- Loehr, Raymond C. See Alexander, Martin.
- Lofgren, G. E. See Beard, J. S.
- Logan, Robert L. See Schuster, Robert L.
- London, R. A. See Da Silva, L. B.
- Longo, Dan L. See Mizoguchi, Hiromoto.
- Loscalzo, Joseph. See Stamler, Jonathan S.
- Lu, Xian Ping. See Lehmann J  rgen M.
- Lu, Z.-L.; Williamson, S. J.; Kaufman, L.: Behavioral lifetime of human auditory sensory memory predicted by physiological measures. p1668 4 Dec 1992.
- Lubar, Steven: review of *Engineering and the Mind's Eye*, by Eugene S. Ferguson. p1504 27 Nov 1992.
- Lubenow, Helge. See Hayashi, Hiroaki.
- Lucas, William J. See Schachtman, Daniel P.
- Ludwig, Kenneth R. See Winograd, Isaac J.
- ; Simmons, Kathleen R.; Szabo, Barney J.; Winograd, Isaac J.; Landwehr, Jurate M.; Riggs, Alan C.; Hoffman, Ray J.: Mass-spectrometric ²³⁰Th-²³⁴U-²³⁸U dating of the Devils Hole calcite vein. p284 9 Oct 1992.
- Ludwig, Martha L. See Correll, Carl C.
- Lugaresi, Elbio. See Goldfarb, Lev G.
- Luna, Elizabeth J. and Hitt, Anne L.: Cytoskeleton-plasma membrane interactions. p955 6 Nov 1992.
- Lux, D. R. See Hodges, K. V.
- Lyons, Jeri Ann. See Rutz, Jeanette M.

M

- MacGowan, B. J. See Da Silva, L. B.
- Mackie, J. E. See Cole, S. P. C.
- MacKinnon, Roderick. See Heginbotham, Lise.
- Maeda, Nobuyo. See Zhang, Sunny H.
- Magendzo, Karin. See Evans, Christopher J.
- Mahowald, Anthony P. See Mazur, Peter.
- Majer, D. See Zajfman, D.
- Makishima, K. See Acton, L.
- Makita, Zenji; Vlassara, Helen; Rayfield, Elliot; Cartwright, Kenneth; Friedman, Eli; Rodby, Roger; Cerami, Anthony; Bucala, Richard: Hemoglobin-AGE: a circulating marker of advanced glycosylation. p651 23 Oct 1992.
- Malacinski, George M.: The readers' NIH (letter). p531 23 Oct 1992.
- Malbon, Craig C. See Watkins, David C.
- Mandel, Jean-Louis; Monaco, Anthony P.; Nelson, David L.; Schlessinger, David; Willard, Huntington: Genome analysis and the human X chromosome. p103 2 Oct 1992.
- Mandelbaum, Asher. See Devane, William A.
- Manley, Neela B. See Gold, Lois Swirsky.
- Mann, Dean L. See Arthur, Larry O.
- Maroney, Patricia A. See Hannon, Gregory J.

- Marshall, Eliot (news): Breast cancer's forced march? p732 30 Oct 1992. George Brown cuts into academic pork. p22 2 Oct 1992. Making less do more at NASA. p20 2 Oct 1992. NSF: being blown off course? p880 6 Nov 1992. Outcry shoots down funding reform. p541 23 Oct 1992. Shakeup splits space science. p540 23 Oct 1992. Space scientists get the jitters. p1296 20 Nov 1992. Study casts doubt on Hiroshima data. p394 16 Oct 1992.
- and Hamilton, David P. (news): R&D budget collides with the deficit. p208 9 Oct 1992.
- Marshall, J. H. See Eom, C. B.
- Marti, K. See Fomenkova, M. N.
- Martin, George M. See Schellenberg, Gerard D.
- Martin, Jörg; Horwich, Arthur L.; Hartl, F. Ulrich: Prevention of protein denaturation under heat stress by the chaperonin Hsp60. p995 6 Nov 1992.
- Martinou, Isabelle. See Garcia, Irène.
- Martinou, Jean-Claude. See Garcia, Irène.
- Marton, L. J. See Tofilon, P. J.
- Maru, Yoshiro. See Hart, Matthew J.
- Marx, Jean (news): Familial Alzheimer's linked to chromosome 14 gene. p550 23 Oct 1992. Getting it together at the synapse. p1304 20 Nov 1992. Medicine: a signal contribution to cell biology. p542 23 Oct 1992. *Dictyostelium* researchers expect gene bonanza. p402 16 Oct 1992.
- Masland, Richard H. See Yang, Guang.
- Massey, Walter E.: A success story amid decades of disappointment (minorities in science). p1177 13 Nov 1992.
- Mathews, Grant J.: review of *The Early Observable Universe from Diffuse Backgrounds*, edited by B. Rocca-Volmerange, J. M. Deharveng, and J. Tran Thanh Van. p335 9 Oct 1992.
- Mathis, John S.: review of *Dust in the Galactic Environment*, by D. C. B. Whittet. p1384 20 Nov 1992.
- Matsumita, Tadashi. See Ono, Taka-aki.
- Matthews, D. L. See Da Silva, L. B.
- Matzinger, Polly. See Fuchs, Ephraim J.
- Maxfield, Frederick R. See Hendey, Bill.
- May, Mike (news): The model heart. p747 30 Oct 1992. The power of teamwork. p747 30 Oct 1992. Tumor targeting. p747 30 Oct 1992.
- Mazur, Peter; Cole, Kenneth W.; Hall, Jerry W.; Schreuders, Paul D.; Mahowald, Anthony P.: Cryobiological preservation of *Drosophila* embryos. p1932 18 Dec 1992.
- Mazzucco, Charles E. See Nadler, Steven G.
- McConnell, Susan K. See O'Rourke, Nancy A.
- McDonald, K. See Gho, M.
- McFadden, Grant. See Upton, Chris.
- McFadden, L.-A. See Fomenkova, M. N.
- McGarry, J. Denis: What if Minkowski had been ageusic? an alternative angle on diabetes. p766 30 Oct 1992.
- McGaughey, William H. and Whalon, Mark E.: Managing insect resistance to *Bacillus thuringiensis* toxins. p1451 27 Nov 1992.
- McIntosh, Mark A. See Rutz, Jeanette M.
- McKay, Deborah M. See Shoji, Mikio.
- McKeever, Paul E. See Goldfarb, Lev G.
- McManus, George B.: Ice man: victim of prehistoric schnapps? (letter). p1867 18 Dec 1992.
- McRee, Duncan E. See Kuo, Che-Fu.
- McVicar, Daniel W. See Mizoguchi, Hiromoto.
- Means, Anthony R. See Knighton, Daniel R.
- Mechoulam, Raphael. See Devane, William A.
- Meinke, David W.: A homeotic mutant of *Arabidopsis thaliana* with leafy cotyledons. p1647 4 Dec 1992.
- Mellander, B.-E. See Tallon, J. L.
- Mendelson, Neil H.: Production and initial characterization of bionites: materials formed on a bacterial backbone. p1633 4 Dec 1992.
- Merbs, Shannath L. and Nathans, Jeremy: Absorption spectra of the hybrid pigments responsible for anomalous color vision. p464 16 Oct 1992.
- Meyer, Laurence J. See Cannon-Albright, Lisa A.
- Meyer, Tobias. See Allbritton, Nancy L.
- Mezey, Éva and Palkovits, Miklós: Localization of targets for anti-ulcer drugs in cells of the immune system. p1662 4 Dec 1992.
- Michel, Hanspeter. See Sette, Alessandro.
- Michell, John: Crop circles: normal hoaxing? (letter). p725 30 Oct 1992.
- Mielikäinen, Kari. See Kauppi, Pekka E.
- Miller, Christopher: Ion channel structure and function. p240 9 Oct 1992.
- Miller, Linda J. and Ray, L. Bryan: Cellular membranes (editorial). p871 6 Nov 1992.
- Miller, Roger H. See Farci, Patrizia.
- Miller, Susan Katz (minorities in science): Asian-Americans bump against glass ceilings. p1224 13 Nov 1992.
- Milton, Raymond. See Kent, Stephen.
- Milton, Saskia. See Kent, Stephen.
- Mims, Forrest M., III: Amber trees (letter). p1290 20 Nov 1992.
- Miner, Jeffrey G. See Brönmark, Christer.
- Minton, Timothy K.; Nelson, Christine M.; Moore, Teresa A.; Okumura, Mitchio: Direct observation of ClO from chlorine nitrate photolysis. p1342 20 Nov 1992.
- Mizoguchi, Hiromoto; O'Shea, John J.; Longo, Dan L.; Loeffler, Cynthia M.; McVicar, Daniel W.; Ochoa, Augusto C.: Alterations in signal transduction molecules in T lymphocytes from tumor-bearing mice. p1795 11 Dec 1992.
- Mock, Douglas: review of *Cannibalism*, edited by Mark A. Elgar and Bernard J. Crespi. p1969 18 Dec 1992.
- Moffat, Anne Simon (news): Economics: bringing it all home. p544 23 Oct 1992. Gene research flowers in *Arabidopsis thaliana*. p1580 4 Dec 1992. A met-car assembly line. p400 16 Oct 1992. A new (Russian) doll of fullerene. p400 16 Oct 1992. The sparkle of silicon clusters. p400 16 Oct 1992. 'Housekeeping' genes may have biotech applications. p1581 4 Dec 1992.
- Monaco, Anthony P. See Mandel, Jean-Louis.
- Monari, Lucia. See Goldfarb, Lev G.
- Monks, Anne P. See Weinstein, John N.
- Montagna, Pasquale. See Goldfarb, Lev G.
- Moore, Andrew L. See Atwater, Brian F.
- Moore, David D. See Georgopoulos, Katia.
- Moore, Teresa A. See Minton, Timothy K.
- Morell, Virginia (news): Dustup in the bone pile: academics v. collectors. p391 16 Oct 1992. (letter): Amber trees. p1290 20 Nov 1992.
- Morris, R. C. See Haddon, R. C.
- Morrison, Heather. See Evans, Christopher J.
- Mossman, Karen. See Upton, Chris.
- Mrowka, S. See Da Silva, L. B.
- Muhleman, Duane O. See Slade, Martin A.
- Müller-Hill, Benno. See Herberich, Heinrich.
- Munck, Anne. See Wetterau, John R.
- Murad, F. See Schmidt, H. H. H. W.
- Murrell, Michael T. See Dorale, Jeffrey A.
- Mushahwar, Isa K. See Farci, Patrizia.
- Mutter, John C.: Seismic imaging of sea-floor spreading. p1442 27 Nov 1992.
- Myers, Fred (news): MITI moves into basic research. p1727 11 Dec 1992. (science in Japan): Neutrino power. p575 23 Oct 1992. Women scientists: it's lonely at the top. p566 23 Oct 1992.
- and Flam, Faye (news): Crash and burn: propagating new massive stars. p1308 20 Nov 1992. Looking into a stellar nursery. p1308 20 Nov 1992.
- Myers, Fred and Hamilton, David P.: Return of the prodigal son. p575 23 Oct 1992.

N-P

- Naaman, R. See Zajfman, D.
- Nadler, Steven G.; Tepper, Mark A.; Schacter, Bernice; Mazzucco, Charles E.: Interaction of the immunosuppressant deoxyspergualin with a member of the Hsp70 family of heat shock proteins. p484 16 Oct 1992.

- Paige, David A.; Wood, Stephen E.; Vasavada, Ashwin R.: The thermal stability of water ice at the poles of Mercury. p643 23 Oct 1992.
- Palkovits, Miklós. See Mezey, Éva.
- Panagiotidis, C. See Lehner, T.
- Pandit, Jayvardhan; Bohm, Andrew; Jancarik, Jarmila; Halenbeck, Robert; Koths, Kirston; Kim, Sung-Hou: Three-dimensional structure of dimeric human recombinant macrophage colony-stimulating factor. p1358 20 Nov 1992.
- Paola, Chris; Parker, Gary; Seal, Rebecca; Sinha, Sanjiv K.; Southard, John B.; Wilcock, Peter R.: Downstream fining by selective deposition in a laboratory flume. p1757 11 Dec 1992.
- Papavassiliou, Athanasios G.; Treier, Mathias; Chavrier, Catherine; Bohmann, Dirk: Targeted degradation of c-Fos but not v-Fos by a phosphorylation-dependent signal on c-Jun. p1941 18 Dec 1992.
- Parker, Gary. See Paola, Chris.
- Parrinello, Michele. See Laasonen, Kari.
- Parrish, R. R. See Hodges, K. V.
- Pasachoff, Jay M.: Big physics collaborations (letter). p727 30 Oct 1992.
- Paull, Charles K. and Beulow, William J.: Arctic mystery: plumes or clouds? (letter). p725 30 Oct 1992.
- Paull, Kenneth D. See Weinstein, John N.
- Pearson, Richard B. See Knighton, Daniel R.
- Peck, W. F., Jr. See Eom, C. B.
- Peffer, Nancy J. See Hanvey, Jeffery C.
- Peliska, James A. and Benkovic, Stephen J.: Mechanism of DNA strand transfer reactions catalyzed by HIV-1 reverse transcriptase. p1112 13 Nov 1992.
- Pelletier, Huguette and Kraut, Joseph: Crystal structure of a complex between electron transfer partners, cytochrome c peroxidase and cytochrome c. p1748 11 Dec 1992.
- Pelli, Denis: The readers' NIH (letter). p531 23 Oct 1992.
- Pendelbury, William W. See Goldfarb, Lev G.
- Pendlebury, David A. and Anderson, Alun: European research institutes (letter). p1069 13 Nov 1992.
- Perdok, Monique M. See Sherman, David R.
- Perham, Richard N. See Scrutton, Nigel S.
- Perrin, Mireille. See Renne, Paul R.
- Pertwee, Roger G. See Devane, William A.
- Pesch, Peter: Conflicts of interest (letter). p1717 11 Dec 1992.
- Petersen, Robert B. See Goldfarb, Lev G.
- Peterson, Craig L. See Yoshinaga, Steven K.
- Peterson, John. See Catania, Joseph A.
- Peterson, Per. See Sherman, Linda A.
- Petsko, Gregory A.: Left-handed comments (letter). p1290 20 Nov 1992.
- Petty, Elizabeth M. See Cannon-Albright, Lisa A.
- Pfahl, Magnus. See Lehmann Jürgen M.
- Phillips, Julia M. See Eom, C. B.
- Phillips, Richard J. See Switzer, Jay A.
- Phillips, Robert W.: Space station freedom (letter). p203 9 Oct 1992.
- Pickett, David A. See Dorale, Jeffrey A.
- Piedrahita, Jorge A. See Zhang, Sunny H.
- Piepkorn, Michael W. See Cannon-Albright, Lisa A.
- Pillinger, C. T. See Gilmour, I.
- Pindak, R. See Ihn, K. J.
- Pinkel, Dan. See Kallioniemi, Anne.
- Platzer, Werner. See Seidler, Horst.
- Pleiman, Chris. See Clark, Marcus R.
- Pleiner, Harald: review of *Ferroelectric Liquid Crystals*, by J. W. Goodby, Robert Blinc, Noel A. Clark, Sven T. Lagerwall, M. A. Osipov, S. A. Pikin, Takao Sakurai, Katsumi Yoshino, and Boštjan Žekš. p335 9 Oct 1992.
- Podolsky, Robert D.: Strange floral attractors: pollinator attraction and the evolution of plant sexual systems. p791 30 Oct 1992.
- Polverini, Peter J. See Koch, Alisa E.
- Pons, Tim P.: Perceptual correlates of massive cortical reorganization (technical comment). p1160 13 Nov 1992.
- Poore, Richard Z. See Dowsett, Harry J.
- Porat, Reuven; Clark, Burton D.; Wolff, Sheldon M.; Dinarello, Charles A.: IL-1 β and *Escherichia coli* (letter). p1562 4 Dec 1992.
- Posselt, Andrew M. See Naji, Ali.
- Potter, Huntington. See Schellenberg, Gerard D.
- Pough, F. Harvey: The taste of birds: *Pitohui!* (letter). p1867 18 Dec 1992.
- Potter, Terry A. See Clark, Marcus R.
- Preiss, Jack. See Stark, David M.
- Prévot, Michel. See Renne, Paul R.
- Prezioso, Vincent R. See Shuai, Ke.
- Price, Jack. See Kirkwood, Thomas B. L.
- Pringle, Patrick T. See Schuster, Robert L.
- Purcell, Robert H. See Farci, Patrizia.
- Purdy, G. M. See Wilcock, William S. D.
- Q and R**
- Q., Arturo Aburto. See Harlow, David H.
- Quan, Thomas. See Sodeinde, Ola A.
- Rader, Daniel J. See Wetterau, John R.
- Raffaella, Ryne P. See Switzer, Jay A.
- Rakic, Pasko: Dividing up the neocortex (letter). p1421 27 Nov 1992.
- Ram, Zvi. See Blaese, R. Michael.
- Ramachandran, V. S.; Rogers-Ramachandran, D.; Stewart, M.: Perceptual correlates of massive cortical reorganization (technical comment). p1159 13 Nov 1992.
- Ramos, Bernard F. See Zhang, Yan.
- Random Sample: French public goes for blood. p1302 20 Nov 1992.
- Random Samples: AAUP goes to bat for faculty underclass. p1303 20 Nov 1992. Aluminum hypothesis shot down. p1086 13 Nov 1992. Amateur night on space telescope. p1435 27 Nov 1992. Ape on the block. p738 30 Oct 1992. A bad break for Dante. p1303 20 Nov 1992. Biotech by the bay. p895 6 Nov 1992. British have sex too. p1735 11 Dec 1992. Burkitt and Beckman receive Bower awards. p738 30 Oct 1992. Buying into Nippon superconductivity. p1435 27 Nov 1992. Canadian research council won't appeal. p223 9 Oct 1992. Caskey promises a democratic HUGO. p1575 4 Dec 1992. Chain reaction: the first half-century. p1735 11 Dec 1992. Chaos games yield DNA portraiture. p895 6 Nov 1992. Combining economics with biodiversity. p551 23 Oct 1992. Congress passes 'user fee' bill. p397 16 Oct 1992. Coyote research facility trashed. p1087 13 Nov 1992. Depo-Provera opposed by Nader group. p1086 13 Nov 1992. Doctors take on the environment. p551 23 Oct 1992. Dodging the needle in health care. p34 2 Oct 1992. Does TV stunt neural development? p738 30 Oct 1992. Eastern scientists flood grants program. p894 6 Nov 1992. EPA gets its own science adviser. p1734 11 Dec 1992. Euroscientists grumble over gene laws. p894 6 Nov 1992. Ex-Yugoslavian scientists needed. p1575 4 Dec 1992. Fetal alcohol syndrome. p739 30 Oct 1992. Fetal tissue ban taken to court. p738 30 Oct 1992. Fireflies may light future for biosensors. p223 9 Oct 1992. GAO shoots down army on Patriot. p223 9 Oct 1992. German gene regs hit snag. p551 23 Oct 1992. Getting an earful of climate. p1087 13 Nov 1992. Getting vaccinated for breakfast. p1878 18 Dec 1992. Good news on mammograms. p739 30 Oct 1992. Hard-won victory over wheat blight. p551 23 Oct 1992. How to grow oil in the Persian Gulf. p1574 4 Dec 1992. Ig Nobels become an annual tradition. p397 16 Oct 1992. Iniki joins Andrew in botanical infamy. p35 2 Oct 1992. A kinder, gentler chip inspection. p1575 4 Dec 1992. Leukemia: child of unholy gene couplings. p1435 27 Nov 1992. The many lives of cold fusion. p35 2 Oct 1992. Mapping the bumps on the deep blue sea. p1878 18 Dec 1992. Math leaders quash NSF funding scheme. p894 6 Nov 1992. Mathematicians talk tough to new Barbie. p396 16 Oct 1992. Minorities in medicine. p1087 13 Nov 1992. More personal space for whales? p1735 11 Dec 1992. National metacenter to link supercomputers. p1574 4 Dec 1992. Natural history museum of the Southeast. p396 16 Oct 1992. Needleman case still simmers. p1302 20 Nov 1992. Neuroscientist pleads guilty to embezzling. p1879 18 Dec 1992. Neuroscientists revive European association. p34 2 Oct 1992. New face at AAU. p397 16 Oct 1992. New TB research facility. p1734 11 Dec 1992. No end in sight to R&D slump. p1302 20 Nov 1992. Nutritional map of the brain. p739 30 Oct 1992. Oceanographers hope for a warm Pacific winter. p34 2 Oct 1992. Ornithologists feel beleaguered. p396 16 Oct 1992. Panel nixes Congo trials as AIDS source. p738 30 Oct 1992. Paleontology's 'Jurassic' windfall. p1879 18 Dec 1992. Physicists petition Chinese. p739 30 Oct 1992. Putting aesthetics back into biology. p894 6 Nov 1992. Results on planetary name game. p1574 4 Dec 1992. Review demanded on Canadian blood. p1878 18 Dec 1992. Science in the transition. p1574 4 Dec 1992. Scientists defend Russian whistleblower. p1086 13 Nov 1992. SDI backs down over reactor interference. p1878 18 Dec 1992. The shoulder bone's connected to the arm bone. . . . p35 2 Oct 1992. Stamp honors black chemist. p1086 13 Nov 1992. Takeout cold fusion. p1879 18 Dec 1992. Technology not enough for a thirsty planet. p1435 27 Nov 1992. Teeth of the evidence. p397 16 Oct 1992. Testing to begin on malaria vaccine. p34 2 Oct 1992. Things are tough all over. p895 6 Nov 1992. Tooez's future comes clearer. p1302 20 Nov 1992. Vindication for Galileo. p1303 20 Nov 1992. Why divorce runs in families. p1734 11 Dec 1992.
- Rapoport, Tom A.: Transport of proteins across the endoplasmic reticulum membrane. p931 6 Nov 1992.
- Rastetter, Edward B. and Houghton, R. A.: Carbon budget estimates (letter). p382 16 Oct 1992.
- Rau, A. R. P.: Excitation and decay of correlated atomic states. p1444 27 Nov 1992.
- Raven, Peter H. and Wilson, Edward O.: A fifty-year plan for biodiversity surveys. p1099 13 Nov 1992.
- Ray, L. Bryan. See Miller, Linda J.
- Rayfield, Elliot. See Makita, Zenji.
- Reagan, Mark K. See Dorale, Jeffrey A.
- Reddick, Robert L. See Zhang, Sunny H.
- Reddy, B. V.; Khanna, S. N.; Jena, P.: Electronic, magnetic, and geometric structure of metallo-carbohedrenes. p1640 4 Dec 1992.
- Renne, Paul R. See Vasconcelos, Paulo M.
- ; Ernesto, Marcia; Pacca, Igor G.; Coe, Robert S.; Glen, Jonathon M.; Prévot, Michel; Perrin, Mireille: The age of Paraná flood volcanism, rifting of Gondwanaland, and the Jurassic-Cretaceous boundary. p975 6 Nov 1992.
- Revesz, Kinga M. See Winograd, Isaac J.
- Rhodes, E. A. See DeVolpi, A.
- Ricca, Daniel J. See Hanvey, Jeffery C.
- Rice, Stuart A.: New ideas for guiding the evolution of a quantum system. p412 16 Oct 1992.
- Richards, W. Robert: A career in industry (letter). p1291 20 Nov 1992.
- Ridderinkhof, H. and Zimmerman, J. T. F.: Chaotic stirring in a tidal system. p1107 13 Nov 1992.
- Riggs, Alan C. See Ludwig, Kenneth R. See also Winograd, Isaac J.
- Robert, Daniel; Amoroso, John; Hoy, Ronald R.: The evolutionary convergence of hearing in a parasitoid fly and its cricket host. p1135 13 Nov 1992.
- Roberts, Leslie (news): Anthropologists climb (gingerly) on board. p1300 20 Nov 1992. A few of the chosen. p1301 20 Nov 1992. The Huntington's gene quest goes on. p740 30 Oct 1992. NIH takes new tack on gene mapping. p1573 4 Dec 1992. Top HHS lawyer seeks to block NIH. p209 9 Oct

1992. Two chromosomes down, 22 to go. p28 2 Oct 1992.

Roberts, Richard W. and Crothers, Donald M.: Stability and properties of double and triple helices: dramatic effects of RNA or DNA backbone composition. p1463 27 Nov 1992.

Rodby, Roger. See Makita, Zenji.

Rogers-Ramachandran, D. See Ramachandran, V. S.

Rosen, Michael K. See Yu, Hongtao.

Rosenberg, Barbara Hatch: The readers' NIH (letter). p530 23 Oct 1992.

Ross, Allen D.: Conflicts of interest (letter). p1717 11 Dec 1992.

Rothbard, Jonathan. See Gaur, Amitabh.

Rowe, J. E. See Wertheim, G. K.

Rowell, David M. See Ballard, J. William O.

Roy, Rustum: Biomimesis: an apology (letter). p874 6 Nov 1992.

Royden, L. H. See Hodges, K. V.

Rozanski, Kazimierz; Araguás-Araguás, Luis; Gonfiantini, Roberto: Relation between long-term trends of oxygen-18 isotope composition of precipitation and climate. p981 6 Nov 1992.

Rubinstein, Lawrence V. See Weinstein, John N.

Rudell, Alan Peter: The readers' NIH (letter). p530 23 Oct 1992.

Rudersdorf, Richard. See Sette, Alessandro.

Russell, Colin A.: review of *A Skeptical Biochemist*, by Joseph Fruton. p1383 20 Nov 1992.

Russell, S. S. See Gilmour, I.

Rutovitz, Denis. See Kallioniemi, Anne.

Rutz, Jeanette M.; Liu, Jun; Lyons, Jeri Ann; Goranson, Joanne; Armstrong, Sandra K.; McIntosh, Mark A.; Feix, Jimmy B.; Klebba, Phillip E.: Formation of a gated channel by a ligand-specific transport protein in the bacterial outer membrane. p471 16 Oct 1992.

Ryder, Elizabeth F. See Walsh, Christopher.

S

Saier, Milton H., Jr. See Nikaido, Hiroshi.

Sakaguchi, Kazuyasu. See Sette, Alessandro.

Saltsburg, Howard. See Zuburtikudis, Ioannis.

Sanderson, Michael J. See Boitano, Scott.

Sano, Masahito; Sasaki, Darryl Y.; Kunitake, Toyoki: Polymerization-induced epitaxy: scanning tunneling microscopy of a hydrogen-bonded sheet of polyamide on graphite. p441 16 Oct 1992.

Sano, Takeshi; Smith, Cassandra L.; Cantor, Charles R.: Immuno-PCR: very sensitive antigen detection by means of specific antibody-DNA conjugates. p120 2 Oct 1992.

Saricicfci, N. S.; Smilowitz, J.; Heeger, A. J.; Wudl, F.: Photoinduced electron transfer from a conducting polymer to buckminsterfullerene. p1474 27 Nov 1992.

Sasaki, Darryl Y. See Sano, Masahito.

Saxena, Jitendra K. See Jenkins, Timothy M.

Saxenian, AnnaLee: review of *Route 128*, by Susan Rosegrant and David Lamp, and *Technology in the Garden*, by Michael I. Luger and Harvey A. Goldstein. p674 23 Oct 1992.

Saxton, W. M. See Gho, M.

Schachtman, Daniel P.; Schroeder, Julian I.; Lucas, William J.; Anderson, Julie A.; Gaber, Richard F.: Expression of an inward-rectifying potassium channel by the *Arabidopsis* KAT1 cDNA. p1654 4 Dec 1992.

Schacter, Bernice. See Nadler, Steven G.

Scheiner, Samuel M.: review of *The Evolution of Life Histories*, by Stephen C. Stearns. p1820 11 Dec 1992.

Schell, Jeff. See Hayashi, Hiroaki.

Schellenberg, Gerard D.; Bird, Thomas D.; Wijsman, Ellen M.; Orr, Harry T.; Anderson, Leon-jean; Nemens, Ellen; White, June A.; Bonnycastle, Lori; Weber, James L.; Alonso, M. Elisa; Potter, Huntington; Heston, Leonard L.; Martin, George M.: Genetic linkage evidence for a familial Alzheimer's disease locus on chromo-

some 14. p668 23 Oct 1992.

Schindler, Chris. See Shuai, Ke.

Schindler, Melvin: The progress of science (letter). p1423 27 Nov 1992.

Schlessinger, David. See Mandel, Jean-Louis.

Schmidt, H. H. H. W.; Warner, T. D.; Ishii, K.; Sheng, H.; Murad, F.: Nitric oxide and arginine-evoked insulin secretion (technical comment). p1376 20 Nov 1992.

Schmitz, Claus. See Cahen, David.

Schmitz, Jacques. See Wetterau, John R.

Schneider, Johanna: Neuroscience at NIH (letter). p1561 4 Dec 1992.

Schrank, Bertold. See Goldfarb, Lev G.

Schreiber, Stuart L. See Yu, Hongtao.

Schreuders, Paul D. See Mazur, Peter.

Schroeder, Julian I. See Schachtman, Daniel P.

Schulte, Roberta J.; Campbell, Mary-Anni; Fischer, Wolfgang H.; Sefton, Bartholomew M.: Tyrosine phosphorylation of CD22 during B cell activation. p1001 6 Nov 1992.

Schuster, Robert L.; Logan, Robert L.; Pringle, Patrick T.: Prehistoric rock avalanches in the Olympic Mountains, Washington. p1620 4 Dec 1992.

ScienceScope: Academia deems PHS investigations private. p387 16 Oct 1992. Academic freedom in new lab contracts. p1295 20 Nov 1992. Academic pork gets its own peer review. p387 16 Oct 1992. Agricultural research under scrutiny—again. p731 30 Oct 1992. AIDS story prompts libel suit. p1567 4 Dec 1992. Army cancer chief gives NIH a cold shoulder. p1567 4 Dec 1992. Astronomers explore equal rights universe. p19 2 Oct 1992. Biotech lobby gets single-minded. p879 6 Nov 1992. Brown seeks new allies in pork battle. p1427 27 Nov 1992. CERN names new director. p19 2 Oct 1992. Changes in misconduct policies on the way. p535 23 Oct 1992. Congress forces Rocky Flats testimony. p535 23 Oct 1992. Dioxin's health effects revisited. p19 2 Oct 1992. EMBL homes in on new chief. p1871 18 Dec 1992. EOSDIS planning in disarray. p535 23 Oct 1992. EPA panel tangled in industry strings. p731 30 Oct 1992. FDA sees green in device industry. p1075 13 Nov 1992. Fermilab scientists zero in on the top quark. p1295 20 Nov 1992. The forces of pork strike back. p207 9 Oct 1992. GAO probing alleged DARPA 'favoritism.' p731 30 Oct 1992. Healy for president? p535 23 Oct 1992. Heavy neutrino slips into world of fiction. p879 6 Nov 1992. The iceman's DNA cometh to Munich. p1871 18 Dec 1992. Is the *Chicago Tribune* done with Gallo. p1871 18 Dec 1992. Japan wins U.S. help in proton decay search. p1567 4 Dec 1992. Kessler sees reflections in crystal ball. p1427 27 Nov 1992. Malaria vaccine to face an acid test. p207 9 Oct 1992. NAS plagiarism fight to go another round. p19 2 Oct 1992. Neuroscience tiff at NIH. p879 6 Nov 1992. New boss at Salk Institute. p387 16 Oct 1992. NIH officials huddle with AIDS activists. p207 9 Oct 1992. Panel set to critique AIDS vaccine award. p731 30 Oct 1992. Scientists collide on NASA comet report. p1075 13 Nov 1992. Society rethinks brain initiative. p387 16 Oct 1992. Spinal cord researchers unite. p1427 27 Nov 1992. Tokamak alternative gets a vote of support. p207 9 Oct 1992. Transition talk. p1567 4 Dec 1992. Transition talk III. p1871 18 Dec 1992. University breaks in plagiarism machine. p1075 13 Nov 1992. U.S. and Russia plan joint space research. p1427 27 Nov 1992. Violence research probed by HHS, NIH. p879 6 Nov 1992. West may help re-entomb Chernobyl. p1295 20 Nov 1992. Wyden to seek more U.S. research on RU-486. p1075 13 Nov 1992.

Scrutton, Nigel S.; Deonarain, Mahendra P.; Berry, Alan; Perham, Richard N.: Cooperativity induced by a single mutation at the subunit interface of a dimeric enzyme: glutathione reductase. p1140 13 Nov 1992.

Scudiero, Dominic A. See Weinstein, John N.

Seal, Rebecca. See Paola, Chris.

Sefton, Bartholomew M. See Schulte, Roberta J.

Sehgal, Prabhat K. See Daniel, Muthiah D.

Seidel-Dugan, Cynthia. See Yu, Hongtao.

Seidler, Horst: Ice man: victim of prehistoric schnapps? (letter). p1868 18 Dec 1992.

—; Bernhard, Wolfram; Teschler-Nicola, Maria; Platzer, Werner; zur Nedden, Dieter; Henn, Rainer; Oberhauser, Andreas; Sjøvold, Thorstein: Some anthropological aspects of the prehistoric Tyrolean ice man. p455 16 Oct 1992.

Selvin, Paul (minorities in science): Math education: multiplying the meager numbers. p1200 13 Nov 1992.

Sereno, Paul C. and Novas, Fernando E.: The complete skull and skeleton of an early dinosaur. p1137 13 Nov 1992.

Sette, Alessandro; Ceman, Stephanie; Kubo, Ralph T.; Sakaguchi, Kazuyasu; Appella, Ettore; Hunt, Donald F.; Davis, Theresa A.; Michel, Hans-peter; Shabanowitz, Jeffrey; Rudersdorf, Richard; Grey, Howard M.; DeMars, Robert: Invariant chain peptides in most HLA-DR molecules of an antigen-processing mutant. p1801 11 Dec 1992.

Seutin, Vincent. See Johnson, Steven W.

Shabanowitz, Jeffrey. See Sette, Alessandro.

Shaffer, Lillian M. See Shoji, Mikio.

Shatz, Carla J.: Dividing up the neocortex. p237 9 Oct 1992.

Shearer, Gene M. See Clerici, Mario.

Shemesh, Aldo: Silica-carbonate isotopic temperature calibration (technical comment). p1162 13 Nov 1992.

Sheng, H. See Schmidt, H. H. H. W.

Sherman, David R.; Guinn, Brett; Perdok, Monique M.; Goldberg, Daniel E.: Components of sterol biosynthesis assembled on the oxygen-avid hemoglobin of *Ascaris*. p1930 18 Dec 1992.

Sherman, Linda A.; Hesse, Sabine V.; Irwin, Michael J.; La Face, Drake; Peterson, Per: Selecting T cell receptors with high affinity for self-MHC by decreasing the contribution of CD8. p815 30 Oct 1992.

Shi, Zhong-You. See Tan, Weihong.

Shin, Tae Bum. See Yu, Hongtao.

Shinohara, Toshiya. See Kitajima, Isao.

Shoji, Mikio; Golde, Todd E.; Ghiso, Jorge; Cheung, Tobun T.; Estus, Steven; Shaffer, Lillian M.; Cai, Xiao-Dan; McKay, Deborah M.; Tintner, Ron; Frangione, Blas; Younkin, Steven G.: Production of the Alzheimer amyloid β protein by normal proteolytic processing. p126 2 Oct 1992.

Shores, Elizabeth W. See Takahama, Yousuke.

Shuai, Ke; Schindler, Chris; Prezioso, Vincent R.; Darnell, James E., Jr.: Activation of transcription by IFN- γ : tyrosine phosphorylation of a 91-kD DNA binding protein. p1808 11 Dec 1992.

Shunong, Bai. See Sung, Z. R.

Siegel, Jay S.: Left-handed comments (letter). p1290 20 Nov 1992.

Simmons, Kathleen R. See Ludwig, Kenneth R.

Sims, Calvin (minorities in science): From inner-city L.A. to Yale engineering. p1232 13 Nov 1992. What went wrong: why programs failed. p1185 13 Nov 1992.

Sims, Neil. See Bowen, David.

Sinervo, Barry; Doughty, Paul; Huey, Raymond B.; Zamudio, Kelly: Allomeric engineering: a causal analysis of natural selection on offspring size. p1927 18 Dec 1992.

Singel, David J. See Stamler, Jonathan S.

Singer, Alfred. See Takahama, Yousuke (two entries).

Singer, Neal (news): Coupled states clear the darkness and quiet the light. p32 2 Oct 1992.

Sinha, Sanjiv K. See Paola, Chris.

Sjøvold, Thorstein. See Seidler, Horst.

Skach, William. See Hasegawa, Hajime.

Skolnick, Mark H. See Cannon-Albright, Lisa A.

Slack, Barbara E. See Nitsch, Roger M.

Slade, M. A. See Harmon, J. K.

- Slade, Martin A.; Butler, Bryan J.; Muhleman, Duane O.: Mercury radar imaging: evidence for polar ice. p635 23 Oct 1992.
- Slaney, A. J. See Ihn, K. J.
- Sliwa, Krzysztof: Top quark search (letter). p13 2 Oct 1992.
- Slone, Thomas H. See Gold, Lois Swirsky.
- Smilowitz, L. See Sariciftci, N. S.
- Smith, Cassandra L. See Sano, Takeshi.
- Smith, Stephen J. See O'Rourke, Nancy A.
- Smith, Steve. See Tan, Weihong.
- Smith, Steven B.; Finzi, Laura; Bustamante, Carlos: Direct mechanical measurements of the elasticity of single DNA molecules by using magnetic beads. p1122 13 Nov 1992.
- Smyth, Joseph F. See Awaschalom, David D.
- Sodeinde, Ola A.; Subrahmanyam, Y. V. B. K.; Stark, Kimberly; Quan, Thomas; Bao, Youdi; Goguen, Jon D.: A surface protease and the invasive character of plague. p1004 6 Nov 1992.
- Solomon, Sean C. See Wilcock, William S. D.
- Somerville, Chris R. See Arondel, Vincent.
- Soriano, Philippe. See Grant, Seth G. N.
- Southard, John B. See Paola, Chris.
- Sowadski, Janusz M. See Knighton, Daniel R.
- Sowder, Raymond C., II. See Arthur, Larry O.
- Spande, Thomas F. See Dumbacher, John P.
- Stall, Ron. See Catania, Joseph A.
- Stamler, Jonathan S.; Singel, David J.; Loscalzo, Joseph: Biochemistry of nitric oxide and its redox-activated forms. p1898 18 Dec 1992.
- Stark, David M.; Timmerman, Kurt P.; Barry, Gerard F.; Preiss, Jack; Kishore, Ganesh M.: Regulation of the amount of starch in plant tissues by ADP glucose pyrophosphorylase. p287 9 Oct 1992.
- Stark, Kimberly. See Sodeinde, Ola A.
- Stauffer, David A. See Akabas, Myles H.
- Stein, Paul L. See Grant, Seth G. N.
- Stein, Ross S.; King, Geoffrey C. P.; Lin, Jian: Change in failure stress on the southern San Andreas fault system caused by the 1992 magnitude = 7.4 Landers earthquake. p1328 20 Nov 1992.
- Steiner, Ullrich; Klein, Jacob; Eiser, Erika; Budkowski, Andrzej; Fetters, Lewis J.: Complete wetting from polymer mixtures. p1126 13 Nov 1992.
- Stepanov, V. See Campbell, I. H.
- Stern, Bonnie R. See Gold, Lois Swirsky.
- Stevenson, Ian: The readers' NIH (letter). p530 23 Oct 1992.
- Stevenson, Lesley A. See Devane, William A.
- Stewart, A. J. See Cole, S. P. C.
- Stewart, M. See Ramachandran, V. S.
- Stokes, Raymond G.: review of *Research and Technology in the Former German Democratic Republic*, by Raymond Bentley. p675 23 Oct 1992.
- Stone, G. See Da Silva, L. B.
- Stone, Richard (news): Can a father's exposure lead to illness in his children? p31 2 Oct 1992. FDA sets out to hire 600—and image is a problem. p886 6 Nov 1992. HHS 'violence initiative' caught in a crossfire. p212 9 Oct 1992. IOM weighs in on microbial threat. p540 23 Oct 1992. NIH fends off critics of tamoxifen study. p734 30 Oct 1992. NRC panel provides a blueprint. p1298 20 Nov 1992. Polarized debate: EMFs and cancer. p1724 11 Dec 1992.
- Strieter, Robert M. See Koch, Alisa E.
- Stryer, Lubert. See Allbritton, Nancy L.
- Studier, F. William. See Kieleczawa, Jan.
- Subrahmanyam, Y. V. B. K. See Sodeinde, Ola A.
- Sudar, Damir. See Kallioniemi, Anne.
- Sugimoto, Yasunobu. See Wakabayashi, Katsuzo.
- Sugimura, Takashi: Multistep carcinogenesis: a 1992 perspective. p603 23 Oct 1992.
- Sullivan, Jerome L.: Conflicts of interest (letter). p1717 11 Dec 1992.
- Sung, Z. R.; Belachew, A.; Shunong, Bai; Bertrand-Garcia, R.: EMF, an *Arabidopsis* gene required for vegetative shoot development. p1645 4 Dec 1992.
- Svensson, Magdalena. See Freskgård, Per-Ola.
- Swergold, Gary D. See Goldfarb, Lev G.
- Swindells, Mark B.: Structural similarity between transforming growth factor- β 2 and nerve growth factor (technical comment). p1160 13 Nov 1992.
- Switzer, Jay A.; Raffaele, Ryne P.; Phillips, Richard J.; Hung, Chen-Jen; Golden, Teresa D.: Scanning tunneling microscopy of electrodeposited ceramic superlattices. p1918 18 Dec 1992.
- Sykes, Lynn R. See Jaumé, Steven C.
- Szabo, Barney J. See Ludwig, Kenneth R. See also Winograd, Isaac J.
- Sze, Ji-Ying; Woontner, Michael; Jaehning, Judith A.; Kohlhaw, Gunter B.: In vitro transcriptional activation by a metabolic intermediate: activation by Leu3 depends on α -isopropylmalate. p1143 13 Nov 1992.
- Szostak, Jack W. See Green, Rachel.

T

- Tabaton, Massimo. See Goldfarb, Lev G.
- Tabin, Cliff. See Walsh, Christopher.
- Taga, Tetsuya. See Kishimoto, Tadamsu.
- Tainer, John A. See Kuo, Che-Fu.
- Takahama, Yousuke; Shores, Elizabeth W.; Singer, Alfred: Negative selection of precursor thymocytes before their differentiation into CD4⁺CD8⁺ cells. p653 23 Oct 1992.
- Takahama, Yousuke and Singer, Alfred: Post-transcriptional regulation of early T cell development by T cell receptor signals. p1456 27 Nov 1992.
- Takahashi, Joseph S.: Circadian clock genes are ticking. p238 9 Oct 1992.
- Takezawa, Yasunori. See Wakabayashi, Katsuzo.
- Tallon, J. L. and Mellander, B.-E.: Large enhancement in oxygen mobility in the superconductors RBA₂Cu₃O₇ with increasing rare-earth size. p781 30 Oct 1992.
- Tamir, Ilana. See Fahnestock, Margaret L.
- Tan, Weihong; Shi, Zhong-You; Smith, Steve; Birnbaum, Duane; Kopelman, Raoul: Submicrometer intracellular chemical optical fiber sensors. p778 30 Oct 1992.
- Tanaka, Kenneth L. See Golombek, Matthew P.
- Tanaka, Yasuo: Astronomy in Japan. p587 23 Oct 1992.
- Tao, L. See Lehner, T.
- Tastemain, Catherine. See Aldhous, Peter.
- Taubes, Gary (news): Violence epidemiologists test the hazards of gun ownership. p213 9 Oct 1992.
- Taylor, Scott. See Gibbs, Richard A.
- Taylor, Susan S. See Knighton, Daniel R.
- Taylor, William R.: Sequencing and computer time (letter). p1421 27 Nov 1992.
- Ten Eyck, Lynn F. See Knighton, Daniel R.
- Tepper, Mark A. See Nadler, Steven G.
- Teschler-Nicola, Maria. See Seidler, Horst.
- Thier, Herbert D.: Understanding chemistry (letter). p381 16 Oct 1992.
- Thompson, Larry (news): At age 2, gene therapy enters a growth phase. p744 30 Oct 1992. Cystic fibrosis trials approved. p1728 11 Dec 1992. Harkin seeks compassionate use of unproven treatments. p1728 11 Dec 1992. Researchers test gene therapy against AIDS. p745 30 Oct 1992.
- Thompson, Robert S. See Dowsett, Harry J.
- Thomson, Stephen A. See Hanvey, Jeffery C.
- Timmerman, Kurt P. See Stark, David M.
- Tintner, Ron. See Shoji, Mikio.
- Tofilon, P. J.; Deen, D. F.; Marton, L. J.: Polyamine depletion and drug-induced chromosomal damage: new results (technical comment). p1378 20 Nov 1992.
- Tokunaga, Makio. See Wakabayashi, Katsuzo.
- Tong, Gang. See Clements, John D.
- Tonucci, R. J.; Justus, B. L.; Campillo, A. J.; Ford, C. E.: Nanochannel array glass. p783 30 Oct 1992.
- Toomey, Douglas R. See Wilcock, William S. D.
- Townsend, David R. See Cursinger, James W.
- Tralli, David M. See Golombek, Matthew P.

- Travis, John (news): Biology: there's honor outside Stockholm. p545 23 Oct 1992. Closing in on melanoma susceptibility gene(s). p1080 13 Nov 1992. How tumors may cause depressed immune responses. p1732 11 Dec 1992. Making materials that are good to the last drop. p1307 20 Nov 1992. New optimism blooms for developing treatments. p218 9 Oct 1992. Reading, writing, arithmetic . . . and microbes? p1299 20 Nov 1992. Surprising new target found for anti-ulcer drugs. p1579 4 Dec 1992. Unorthodox treatment stirs controversy. p219 9 Oct 1992.
- Trebes, J. E. See Da Silva, L. B.
- Treier, Mathias. See Papavassiliou, Athanasios G.
- Trias, Joaquim; Jarlier, Vincent; Benz, Roland: Porins in the cell wall of mycobacteria. p1479 27 Nov 1992.
- Tsipursky, Semeon J. See Buseck, Peter R.
- Tsujimoto, Yoshihide. See Garcia, Irène.
- Tsuneta, S. See Acton, L.
- Turner, Douglas H. See Bevilacqua, Philip C.
- Turner, Heather. See Catania, Joseph A.
- Turner, Timothy J.; Adams, Michael E.; Dunlap, Kathleen: Calcium channels coupled to glutamate release identified by ω -Aga-IVA. p310 9 Oct 1992.

U-W

- Uchida, Y. See Acton, L.
- Upton, Chris; Mossman, Karen; McFadden, Grant: Encoding of a homolog of the IFN- γ receptor by myxoma virus. p1369 20 Nov 1992.
- Usselman, Steven W.: review of *Innovation as a Social Process*, by W. Bernard Carlson. p1967 18 Dec 1992.
- Vager, Z. See Zajfman, D.
- van den Bergh, Sidney: The age and size of the universe. p421 16 Oct 1992.
- van Dover, R. B. See Eom, C. B.
- Varki, Ajit: The readers' NIH (letter). p532 23 Oct 1992.
- Vasavada, Ashwin R. See Paige, David A.
- Vasconcelos, Paulo M.; Becker, Tim A.; Renne, Paul R.; Brimhall, George H.: Age and duration of weathering by ⁴⁰K/⁴⁰Ar and ⁴⁰Ar/³⁹Ar analysis of potassium-manganese oxides. p451 16 Oct 1992.
- Vaupel, James W. See Carey, James R. See also Cursinger, James W.
- Vaux, David L.; Weissman, Irving L.; Kim, Stuart K.: Prevention of programmed cell death in *Caenorhabditis elegans* by human bcl-2. p1955 18 Dec 1992.
- Veldhuis, J. D. See Lampl, M.
- Verkman, A. S. See Hasegawa, Hajime.
- Vesecky, Scott M. See Xu, Xueping.
- Vicini, Stefano. See Carmignoto, Giorgio.
- Vincent, Steven R.: Nitric oxide and arginine-evoked insulin secretion (technical comment). p1376 20 Nov 1992.
- Viswanadhan, Vellakad N. See Weinstein, John N.
- Vital, Claude. See Goldfarb, Lev G.
- Vlassara, Helen. See Makita, Zenji.
- Vollrath, Douglas. See Foote, Simon.
- _____, Foote, Simon; Hilton, Adrienne; Brown, Laura G.; Beer-Romero, Peggy; Bogan, Jonathan S.; Page, David C.: The human Y chromosome: a 43-interval map based on naturally occurring deletions. p52 2 Oct 1992.
- von Hippel, Peter H. See Daube, Shirley S.
- Vos, Willem L.: review of *Frontiers of High-Pressure Research*, edited by Hans D. Hochheimer and Richard D. Etters. p1014 6 Nov 1992.
- Wakabayashi, Katsuzo; Tokunaga, Makio; Kohno, Izumi; Sugimoto, Yasunobu; Hamanaka, Toshiaki; Takezawa, Yasunori; Wakabayashi, Takeyuki; Amemiya, Yoshiyuki: Small-angle synchrotron x-ray scattering reveals distinct shape changes of the myosin head during hydrolysis of ATP. p443 16 Oct 1992.

- Wakabayashi, Takeyuki. See Wakabayashi, Kat-suzo.
- Walbot, Virginia. See Lloyd, Alan M.
- Walden, Richard. See Hayashi, Hiroaki.
- Waldman, Fred. See Kallioniemi, Anne.
- Walker, J. See Lehner, T.
- Walker, P. See Lehner, T.
- Wallbridge, Stuart. See Blaese, R. Michael.
- Walsh, Christopher; Cepko, Constance L.; Ryder, Elizabeth F.; Church, George M.; Tabin, Cliff: The dispersion of neuronal clones across the cerebral cortex (technical comment). p317 9 Oct 1992.
- Wang, Jin; Bedzyk, Michael J.; Caffrey, Martin: Resonance-enhanced x-rays in thin films: a structure probe for membranes and surface layers. p775 30 Oct 1992.
- Ward, R. G. See Lehner, T.
- Warde, Cardinal. See Dougherty, Thomas P.
- Warner, T. D. See Schmidt, H. H. H. W.
- Watanabe, T. See Acton, L.
- Watkins, David C.; Johnson, Gary L.; Malbon, Craig C.: Regulation of the differentiation of teratocarcinoma cells into primitive endoderm by Ca_{v2} . p1373 20 Nov 1992.
- Watson, Michael S. See Freije, Diha.
- Weber, James L. See Schellenberg, Gerard D.
- Weinstein, John N.; Kohn, Kurt W.; Grever, Michael R.; Viswanadhan, Vellarkad N.; Rubinstein, Lawrence V.; Monks, Anne P.; Scudiero, Dominic A.; Welch, Lester; Koutsoukos, Antonis D.; Chiusa, August J.; Paull, Kenneth D.: Neural computing in cancer drug development: predicting mechanism of action. p447 16 Oct 1992.
- Weiss, Rick (news): Measles battle loses potent weapon. p546 23 Oct 1992. U.S. epidemics: the price of neglect? p547 23 Oct 1992.
- Weissman, Irving L. See Vaux, David L.
- Welch, David O.: review of *High Temperature Superconductivity*, edited by D. P. Tunstall and W. Barford. p1672 4 Dec 1992.
- Welch, Lester. See Weinstein, John N.
- Welsh, Michael J. and Anderson, Matthew P.: Correction (letter). p1719 11 Dec 1992.
- Wertheim, G. K.; Buchanan, D. N. E.; Rowe, J. E.: Charge donation by calcium into the t_{1g} band of C_{60} . p1638 4 Dec 1992.
- Wertman, Kenneth F. and Drubin, David G.: Actin constitution: guaranteeing the right to assemble. p759 30 Oct 1992.
- Wessinger, C. Mark. See Fendrich, Robert.
- Westbrook, Gary L. See Clements, John D.
- Wetterau, John R.; Aggerbeck, Lawrence P.; Bouma, Marie-Elisabeth; Eisenberg, Claude; Munck, Anne; Hermier, Michel; Schmitz, Jacques; Gay, Gerard; Rader, Daniel J.; Gregg, Richard E.: Absence of microsomal triglyceride transfer protein in individuals with abetalipoproteinemia. p999 6 Nov 1992.
- Whalon, Mark E. See McGaughey, William H.
- Whatley, Robin C. See Dowsett, Harry J.
- Whinnery, John: review of *The Laser in America, 1950-1970*, by Joan Lisa Bromberg. p676 23 Oct 1992.
- White, Judith M.: Membrane fusion. p917 6 Nov 1992.
- White, June A. See Schellenberg, Gerard D.
- White, Randall A. See Harlow, David H.
- Whitehead, J. A. See Hart, Stanley R.
- Wiedlerrecht, Gary P. See Dougherty, Thomas P.
- Wiers, Brook. See Gaur, Amitabh.
- Wijsman, Ellen M. See Schellenberg, Gerard D.
- Wilcock, Peter R. See Paola, Chris.
- Wilcock, William S. D.; Solomon, Sean C.; Purdy, G. M.; Toomey, Douglas R.: The seismic attenuation structure of a fast-spreading mid-ocean ridge. p1470 27 Nov 1992.
- Wiley, James. See Catania, Joseph A.
- Wilker, Nachama L. See Bereano, Philip L.
- Willard, Huntington. See Mandel, Jean-Louis.
- Williams, Kevin Jon: The readers' NIH (letter). p532 23 Oct 1992.
- Williams, Patrick L. See Jacoby, Gordon C.
- Williams, S. See Ade, H.
- Williams, Thelma L.: Phase coupling by synaptic spread in chains of coupled neuronal oscillators. p662 23 Oct 1992.
- Williamson, S. J. See Lu, Z.-L.
- Wills, Matthew A. See Briggs, Derek E. G.
- Wills, Peter R. See Goldfarb, Lev G.
- Wilson, Edward O. See Raven, Peter H.
- Wilson, Samuel H. See Jenkins, Timothy M.
- Winkler, Jay R. See Beratan, David N.
- Winograd, Isaac J. See Ludwig, Kenneth R.
- ; Copen, Tyler B.; Landwehr, Jurate M.; Riggs, Alan C.; Ludwig, Kenneth R.; Szabo, Barney J.; Kolesar, Peter T.; Revesz, Kinga M.: Continuous 500,000-year climate record from vein calcite in Devils Hole, Nevada. p255 9 Oct 1992.
- Wiseman, Roger W. See Cannon-Albright, Lisa A.
- Witte, Owen N. See Hart, Matthew J.
- Wolff, Sheldon M. See Porat, Reuven.
- Wolle, Dana; Dean, Dennis R.; Howard, James Bryant: Nucleotide-iron-sulfur cluster signal transduction in the nitrogenase iron-protein: the role of Asp¹²⁵. p992 6 Nov 1992.
- Wong, Doris C. See Farci, Patrizia.
- Wong, K. K., Jr. See Chatterjee, Saswati.
- Wood, Adrian M. See Dowsett, Harry J.
- Wood, Stephen E. See Paige, David A.
- Wootner, Michael. See Sze, Ji-Ying.
- Workman, Jerry L. and Kingston, Robert E.: Nucleosome core displacement in vitro via a metastable transcription-nucleosome complex. p1780 11 Dec 1992.
- Wrangham, Richard: The taste of birds: *Pitohui!* (letter). p1867 18 Dec 1992.
- Wudl, F. See Sariciftci, N. S.
- Wurtman, Richard J. See Nitsch, Roger M.
- Xu, Ming. See Akabas, Myles H.
- Xu, Xiao. See Kitajima, Isao.
- Xu, Xueping; Vesecky, Scott M.; Goodman, D. Wayne: Infrared reflection-absorption spectroscopy and STM studies of model silica-supported copper catalysts. p788 30 Oct 1992.
- Yamamoto, Keith R. See Yoshinaga, Steven K.
- Yan, Xiao-Hai; Ho, Chung-Ru; Zheng, Qunan; Klemas, Vic: Temperature and size variabilities of the western Pacific warm pool. p1643 4 Dec 1992.
- Yang, Guang and Masland, Richard H.: Direct visualization of the dendritic and receptive fields of directionally selective retinal ganglion cells. p1949 18 Dec 1992.
- Yoelrg, Sonja I.: review of *Animal Minds*, by Donald R. Griffin. p830 30 Oct 1992.
- Yonezawa, Akinori: The real world computing program: MIT's next computer research initiative. p581 23 Oct 1992.
- Yoshinaga, Steven K.; Peterson, Craig L.; Herskowitz, Ira; Yamamoto, Keith R.: Roles of SW11, SW12, and SW13 proteins for transcriptional enhancement by steroid receptors. p1598 4 Dec 1992.
- Young, William S. See Faber, Donald S.
- Younkin, Steven G. See Shoji, Mikio.
- Yu, Hongtao; Rosen, Michael K.; Shin, Tae Bum; Seidel-Dugan, Cynthia; Brugge, Joan S.; Schreiber, Stuart L.: Solution structure of the SH3 domain of Src and identification of its ligand-binding site. p1665 4 Dec 1992.
- Yu, Yi-Tao. See Hannon, Gregory J.
- Zajfman, D.; Feldman, H.; Heber, O.; Kella, D.; Majer, D.; Vager, Z.; Naaman, R.: Electron photodetachment cross sections of small carbon clusters: evidence for nonlinear isomers. p1129 13 Nov 1992.
- Zamudio, Kelly. See Sinervo, Barry.
- Zasadzinski, J. A. N. See Ihn, K. J.
- Zhang, Sunny H.; Reddick, Robert L.; Piedrahita, Jorge A.; Maeda, Nobuyo: Spontaneous hypercholesterolemia and arterial lesions in mice lacking apolipoprotein E. p468 16 Oct 1992.
- Zhang, X. See Ade, H.
- Zhang, Yan; Ramos, Bernard F.; Jakschik, Barbara A.: Neutrophil recruitment by tumor necrosis factor from mast cells in immune complex peritonitis. p1957 18 Dec 1992.
- Zheng, Qunan. See Yan, Xiao-Hai.
- Ziegelstein, Roy C.; Cheng, Linda; Capogrossi, Maurizio C.: Flow-dependent cytosolic acidification of vascular endothelial cells. p656 23 Oct 1992.
- Zimmerman, J. T. F. See Ridderinkhof, H.
- Zink, M. Christine. See Corboy, John R.
- Zone, John J. See Cannon-Albright, Lisa A.
- Zuburtikudis, Ioannis and Saltsburg, Howard: Linear metal nanostructures and size effects of supported metal catalysts. p1337 20 Nov 1992.
- zur Nedden, Dieter. See Seidler, Horst.
- Zwier, Timothy S. See Bandy, Ralph E.

X-Z

Xia, Xinfu. See Gao, Jiali.