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- , Chen, Ruey-Hwa; Shum, Lillian; Lawler, Sean; Zioncheck, Thomas F.; Lee, Angela; Lopez, Alfredo R.; Deryck, Rik: Cloning of a type I TGF- $\beta$  receptor and its effect on TGF- $\beta$  binding to the type II receptor. p1344 28 May 1993.
- Edwards, R. Lawrence; Beck, J. Warren; Burr, G. S.; Donahue, D. J.; Chappell, J. M. A.; Bloom, A. L.; Druffel, E. R. M.; Taylor, F. W.: A large drop in atmospheric  $^{14}\text{C}/^{12}\text{C}$  and reduced melting in the Younger Dryas, documented with  $^{230}\text{Th}$  ages of corals. p962 14 May 1993.
- Egly, Jean-Marc. See Schaeffer, Laurent.
- Elder, Frederick F. B. See Yokoyama, Takahiko.
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- Ellsworth, W. L. See Hill, D. P.
- Emr, Scott D. See Schu, Peter V.
- England, Robert K.: review of *Before Writing*, by Denise Schmandt-Besserat. p1670 11 June 1993.
- Erard, Frangois; Wild, Marie-Thérèse; Garcia-Sanz, Jose A.; Le Gros, Graham: Switch of CD8 T cells to noncytolytic CD8CD4 cells that make  $\text{T}_{H}2$  cytokines and help B cells. p1802 18 June 1993.
- Espinosa, Manuel. See Pérez-Martín, José.
- Evans, Glen A.: "MegaYAC" library (letter). p877 14 May 1993.
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- Ewing, Tania (news): Genetic 'master switch' for left-right symmetry found. p624 30 Apr 1993.
- F**
- Fairbanks, Richard G. See Cole, Julia E.
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- Fathman, C. Garrison: Correction: omitted author (letter). p280 16 Apr 1993.
- Faust, Bruce C.; Anastasio, Cort; Allen, John M.; Arakaki, Takemitsu: Aqueous-phase photochemical formation of peroxides in authentic cloud and fog waters. p73 2 Apr 1993.
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- Feig, Larry A.: The many roads that lead to Ras (perspective). p767 7 May 1993.
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- Fink, T. M. See Werner, B. T.
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- Finney, Robert E. and Bishop, J. Michael: Predisposition to neoplastic transformation caused by gene replacement of  $\text{H-ras1}$ . p1524 4 June 1993.
- Fischer, Paul A. See Prins, Jan-Bas.
- Fish, Durland. See Barbour, Alan G.
- Fisher, Michael H. See Smith, Roy G.
- Fisk, Zachary and Aepli, Gabriel: Superstructures and superconductivity (perspectives). p38 2 Apr 1993.
- Flam, Faye (news): Chemists simulate smart breakers. p291 16 Apr 1993. A double dose of gamma-ray bursts. p756 7 May 1993. EUVE takes the long view. p1879 25 June 1993. Galaxies in collision—up close. p1425 4 June 1993. How to grow buckytubes. p164 9 Apr 1993. Mirror, mirror, which is the fairest? p483 23 Apr 1993. NASA PR: hype or public education? p1416 4 June 1993. A new director promises to focus on service. p1717 18 June 1993. New plastics, new tricks. p165 9 Apr 1993. The next transistor? p291 16 Apr 1993. Practicing the poor man's brand of particle physics. p622 30 Apr 1993. Rolling back the costs of computing. p290 16 Apr 1993. Scientists chase gravity's rainbow. p493 23 Apr 1993. Space telescope institute: inside the black box. p1716 18 June 1993. Spinning in the dark. p1593 11 June 1993. A split-personality supernova. p1878 25 June 1993. Tough company in M15. p1878 25 June 1993. Upscale quantum mechanics. p165 9 Apr 1993. Whither the universe? p1879 25 June 1993.
- Flom, Erik B.; Li, Mengyang; Acero, Anibal; Maskil, Nissan; Rice, Stuart A.: In-plane structure of the liquid-vapor interface of an alloy: a grazing incidence x-ray diffraction study of bismuth:gallium. p332 16 Apr 1993.
- Flynn, L. See Gleason, J. F.
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- Freeman, Stanley and Rodriguez, Rusty J.: Genetic con-
- version of a fungal plant pathogen to a nonpathogenic, endophytic mutualist. p75 2 Apr 1993.
- Freidel, David A.: review of *Cuello*, edited by Norman Hammond. p1353 28 May 1993.
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- Fu, Ying-Hui; Friedman, David L.; Richards, Stephen; Pearlman, Joel A.; Gibbs, Richard A.; Pizzati, Antonio; Ashizawa, Tetsuo; Perryman, M. Benjamin; Scarlato, Guglielmo; Fenwick, Raymond G., Jr.; Caskey, C. Thomas: Decreased expression of myotonin-protein kinase messenger RNA and protein in adult form of myotonic dystrophy. p235 9 Apr 1993.
- Fullard, James H.: review of *The Sonar of Dolphins*, by Whitlow W. L. Au. p1672 11 June 1993.
- Funkhouser, W. K. See Drmanac, R.
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- Futuyma, Douglas J.: review of *Keywords in Evolutionary Biology*, by Evelyn Fox Keller and Elisabeth A. Lloyd. p1153 21 May 1992.
- Fye, James. See Hunter, Joanna.
- G**
- Gadsby, David C.; Rakowski, R. F.; De Weer, Paul: Extracellular access to the  $\text{Na}_+$  $\text{K}^+$  pump: pathway similar to ion channel. p100 2 Apr 1993.
- Gaffey, Michael J.: Forging an asteroid-meteorite link (perspective). p167 9 Apr 1993.
- Gaffney, Betty J. See Boyington, Jeffrey C.
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- Gallagher, Richard B.: Science in Europe (editorial). p1703 18 June 1993.
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- Gao, Wei-Qiang and Hatten, Mary E.: Neuronal differentiation rescued by implantation of Weaver granule cell precursors into wild-type cerebellar cortex. p367 16 Apr 1993.
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- Gingras, Yves: review of *Out of the Crystal Maze*, edited by Lillian Hoddeson, Ernest Braun, Jürgen Teichmann, and Spencer Weart. p1165 21 May 1992.
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- \_\_\_\_\_; Kornhauser, Jon M.; Thompson, Margaret A.; Bading, Hilmari; Mayo, Kelly E.; Takahashi, Joseph S.; Greenberg, Michael E.: Regulation of CREB phosphorylation in the suprachiasmatic nucleus by light and a circadian clock. p238 9 Apr 1993.
- Girard, Steven and Clapham, David: Acceleration of intracellular calcium waves in *Xenopus* oocytes by calcium influx. p229 9 Apr 1993.
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- Glassey, C. Roger. See Prusin, Stanley G.
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- Gleason, J. F.; Bhartia, P. K.; Herman, J. R.; McPeters, R.; Newman, P.; Stolarski, R. S.; Flynn, L.; Labow, G.; Larko, D.; Seftor, C.; Wellmeyer, C.; Komhyr, W. D.; Miller, A. J.; Planet, W.: Record low global ozone in 1992. p523 23 Apr 1993.
- Gleason, Jean Berko: review of *Beginning to Spell*, by Rebecca Treiman. p1669 11 June 1993.
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- Glick, Thomas F.: review of *Denationalizing Science*, edited by Elisabeth Crawford, Terry Shin, and Sverker Sörlin. p1827 18 June 1993.
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- Gold, Geoffrey H. See Wang, Hai-Wei.
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- Gottardi, Cora J. and Caplan, Michael J.: Delivery of Na<sup>+</sup>,K<sup>+</sup>-ATPase in polarized epithelial cells (technical comment). p552 23 Apr 1993.
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- Grainger, David J.; Kirschenlohr, Heide L.; Metcalfe, James C.; Weissberg, Peter L.; Wade, David P.; Lawn, Richard M.: Proliferation of human smooth muscle cells promoted by lipoprotein(a). p1655 11 June 1993.
- Grant, Michael L.: Tyrolean paraphernalia (letter). p146 9 Apr 1993.
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- Groenink, Martijn; Fouchier, Ron A. M.; Broersen, Silvia; Baker, Catriona H.; Koot, Maarten; van't Wout, Angélique B.; Huisman, Han G.; Miedema, Frank; Tersmette, Matthijs; Schuitmaker, Hanneke: Relation of phenotype evolution of HIV-1 to envelope V2 configuration. p1513 4 June 1993.
- Groneborn, Angelika M. See Varley, Paul.
- Gross, Werner. See Ruzicka, Viktor.
- Gulbins, Erich; Coggeshall, K. Mark; Baier, Gottfried; Katzav, Shulamit; Burn, Paul; Altman, Amnon: Tyrosine kinase-stimulated guanine nucleotide exchange activity of Vav in T cell activation. p822 7 May 1993.
- Gulizia, Richard J. See Mosier, Donald E.
- Guthrie, George D., Jr. See Veblen, David R.
- Gutiérrez, Arnold J. See Wagner, Richard W.
- Györke, Sandor and Fill, Michael: Ryanodine receptor adaptation: control mechanism of Ca<sup>2+</sup>-induced Ca<sup>2+</sup> release in heart. p807 7 May 1993.
- Hallet, Marie-Martine. See Davodeau, François.
- Hamilton, Ewan J. M.; Dolan, Shawn E.; Mann, Charles M.; Colijn, Hendrik O.; McDonald, Clare A.; Shore, Sheldon G.: Preparation of amorphous boron nitride and its conversion to a turbostatic, tubular form. p659 30 Apr 1993.
- Hamilton, Stanley R. See Aaltonen, Lauri A. See also Peltomäki, Päivi.
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- Handyside, Alan H. See Winston, Robert M. L.
- Hansen, Klavs. See Yeretzian, Chahan.
- Hansen, Vicki L. and Phillips, Roger J.: Tectonics and volcanism of eastern Aphrodite Terra, Venus: no subduction, no spreading. p526 23 Apr 1993.
- Hapke, Bruce W.; Nelson, Robert M.; Smythe, William D.: The opposition effect of the moon: the contribution of coherent backscatter. p509 23 Apr 1993.
- Harada, Toshie; Kagamiyama, Hiroyuki; Hatakeyama, Kazuyuki: Feedback regulation mechanisms for the control of GTP cyclohydrolase I activity. p1507 4 June 1993.
- Hardy, Robert W. See Dolph, Patrick J.
- Harmsen, S. See Hill, D. P.
- Harpending, Henry: review of *Evolutionary Ecology and Human Behavior*, edited by Eric Alden Smith and Bruce Winterhalder. p1176 21 May 1992.
- Harper, Douglas: review of *Anthropology and Photography, 1860–1920*, edited by Elizabeth Edwards. p1184 21 May 1992.
- Hartl, Daniel L. and Lewontin, Richard C.: DNA fingerprinting report (letter). p473 23 Apr 1993.
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- Hatakeyama, Kazuyuki. See Harada, Toshie.
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- Havens, Karl: Effect of scale on food web structure (technical comment). p243 9 Apr 1993.
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- Heidemann, Steven R.: A new twist on integrins and the cytoskeleton (perspective). p1080 21 May 1992.
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- Hill, D. P.; Reisenberg, P. A.; Michael, A.; Arabatz, W. J.; Beroza, G.; Brumbaugh, D.; Brunet, J. N.; Castro, R.; Davis, S.; dePolo, D.; Ellsworth, W. L.; Gomberg, J.; Harmsen, S.; House, L.; Jackson, S. M.; Johnston, M. J. S.; Jones, L.; Keller, R.; Malone, S.; Munguia, L.; Nava, S.; Pechmann, J. C.; Sanford, A.; Simpson, R. W.; Smith, R. B.; Stark, M.; Stickney, M.; Vidal, A.; Walter, S.; Wong, V.; Zollweg, J.: Seismicity remotely triggered by the magnitude 7.3 Landers, California, earthquake. p1617 11 June 1993.
- Hille, Bertil. See Tse, Amy.
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- Houston, Stephen: review of *The Gods and Symbols of Ancient Mexico and the Maya*, by Mary Miller and Karl Taube. p1182 21 May 1992.
- Hovis, Robin R.; Donovan, Jerald A.; Musci, Michael A.; Motto, David G.; Goldman, Frederick D.; Ross, Susan E.; Koretzky, Gary A.: Rescue of signaling by a chimeric protein containing the cytoplasmic domain of CD45. p544 23 Apr 1993.
- Howcroft, T. Kevin; Strebel, Klaus; Martin, Malcolm A.; Singer, Dinah S.: Repression of MHC class I gene promoter activity by two-exon Tat of HIV. p1320 28 May 1993.
- Hsieh, Chyi-Song; Macatonia, Steven E.; Tripp, Catherine S.; Wolf, Stanley F.; O'Garra, Anne; Murphy, Kenneth M.: Development of T<sub>H</sub>1 CD4<sup>+</sup> T cells through IL-12 produced by *Listeria*-induced macrophages. p547 23 Apr 1993.
- Hsieh, Linda C.; Yonkovich, Shirley; Kochersperger, Lynn; Schultz, Peter G.: Controlling chemical reactivity with antibodies. p337 16 Apr 1993.
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- Hurley, James B.; Dizhoor, Alexander M.; Ray, Sanghatna; Stryer, Lubert: Recoverin's role: conclusion withdrawn (letter). p740 7 May 1993.
- Hurst, Laurence D. and Grafen, Alan: Unusual mutational mechanisms and evolution (technical comment). p1959 25 June 1993.
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## I and J

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- Jacobs, William R., Jr.; Barletta, Raúl G.; Udani, Rupa; Chan, John; Kalkut, Gary; Sosne, Gabriel; Kieser, Tobias; Sarkis, Gary J.; Hatfull, Graham F.; Bloom, Barry R.: Rapid assessment of drug susceptibilities of *Mycobacterium tuberculosis* by means of luciferase reporter phages. p819 7 May 1993.

- Jago, J. B.: review of *Trilobites*, by H. B. Whittington. p1671 11 June 1993.
- James, Guy L.; Goldstein, Joseph L.; Brown, Michael S.; Rawson, Thomas E.; Somers, Todd C.; McDowell, Robert S.; Crowley, Craig W.; Lucas, Brian K.; Levinson, Arthur D.; Marsters, James C., Jr.; Benzodiazepine peptidomimetics: potent inhibitors of Ras farnesylation in animal cells. p1937 25 June 1993.
- Jarrold, Martin F. See Hunter, Joanna.
- Järvinen, Heikki. See Aaltonen, Lauri A. See also Peltomäki, Päivi.
- Jasny, Barbara R.: AIDS 1993: unanswered questions (editorial). p1219 28 May 1993.
- and Miller, Linda J.: The human cornucopia (editorial). p875 14 May 1993.
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- Josefowicz, Jack Y.; Maliszewskyj, Nicholas C.; Idziak, Stefan H. J.; Heiney, Paul A.; McCauley, John P., Jr.; Smith, Amos B., III: Structure of Langmuir-Blodgett films of disk-shaped molecules determined by atomic force microscopy. p323 16 Apr 1993.
- Joskow, Paul L. and Marron, Donald B.: What does utility-subsidized energy efficiency really cost? (policy forum). p281 16 Apr 1993.
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- K**
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- Kalkut, Gary. See Jacobs, William R., Jr.
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- Kammen, Daniel M. and Wilson, Richard: The science and policy of risk (letter). p1863 25 June 1993.
- Kanamori, Hiroo. See Sieh, Kerry.
- Kandel, Eric R. See Bacskai, Brian J. See also Frey, U. See also Zhuo, Min.
- Kania, D. R. See Piano, M. A.
- Karato, Shun-ichiro and Wu, Patrick: Rheology of the upper mantle: a synthesis. p771 7 May 1993.
- Karr, Timothy L. See Boyle, Lee.
- Katzav, Shulamit. See Gulbins, Erich.
- Keating, Mark: Evidence of genetic heterogeneity in the long QT syndrome (technical comment). p1961 25 June 1993.
- Keen, Noel T. See Yoder, Marilyn D.
- Keller, Laurent and Ross, Kenneth G.: Phenotypic basis of reproductive success in a social insect: genetic and social determinants. p1107 21 May 1992.
- Keller, R. See Hill, D. P.
- Keller, Rebecca W. See Rees, William A.
- Kelley, Shari A.: review of *Fission-Track Dating*, by Günther Wagner and Peter Van Den Haute. p1357 28 May 1993.
- Kelner, Katrina. See Norman, Colin.
- Kelvin, David J. See Taub, Dennis D.
- Kemper, Paul R. See Bowers, Michael T.
- Kennedy, Kenneth A. R.: review of *Bones*, by Douglas Ubelaker and Henry Scammell, and *What the Bones Tell Us*, by Jeffrey H. Schwartz. p1178 21 May 1992.
- Kennel, Charles F.: The LIGO controversy (letter). p1862 25 June 1993.
- Kenyon, Scott J.: review of *Structure and Evolution of Single and Binary Stars*, by C. W. H. De Loore and C. Doom. p569 23 Apr 1993.
- Kerem, Bat sheva. See Benhorin, Jesaia.
- Kerr, Richard A. (news): A clue to small but lethal eruptions? p289 16 Apr 1993. Getting in touch with the edge of the solar system. p1591 11 June 1993. Getting to the heart of the seismic gap debate. p1724 18 June 1993. How ice age climate got the shake. p890 14 May 1993. Magnetism triggers a brain response. p1590 11 June 1993. NCAR: doing quality science in a garage for planes. p1236 28 May 1993. Ocean-in-a-machine starts looking like the real thing. p32 2 Apr 1993. Out of fire, ice? p1725 18 June 1993. Ozone takes a nose dive after the eruption of Mt. Pinatubo. p490 23 Apr 1993. The parallel route to an ocean model. p33 2 Apr 1993. A screwy idea may solve an early-Earth enigma. p1724 18 June 1993. Volcanoes may warm locally while cooling globally. p1232 28 May 1993. Volcanologists ponder a spate of deaths in the line of duty. p289 16 Apr 1993.
- Kessim, Richard H. and Van Lookeren Campagne, Michael M.: Database contamination (letter). p605 30 Apr 1993.
- Kevels, Daniel J.: review of *The Cold War and American Science*, by Stuart W. Leslie. p1161 21 May 1992.
- Kidd, Jessica. See Block, Barbara A.
- Kiehl, J. T. and Briegleb, B. P.: The relative roles of sulfate aerosols and greenhouse gases in climate forcing. p311 16 Apr 1993.
- Kieser, Tobias. See Jacobs, William R., Jr.
- Kim, Hak Yong; Coté, Gary G.; Crain, Richard C.: Potassium channels in *Samanea saman* protoplasts controlled by phytochrome and the biological clock. p960 14 May 1993.
- Kim, In Ho; Jeanloz, Raymond; Jhung, Kyu Soo: Condensed-matter energetics from diatomic molecular spectra. p649 30 Apr 1993.
- Kim, Jongsun. See Chan, Michael K.
- Kim, Peter S. See Lockhart, David J.
- Kim, Suck Won: Japan's SAT? (letter). p278 16 Apr 1993.
- Kingsmill, Suzanne (news): Ear stones speak volumes to fish researchers. p1233 28 May 1993.
- Kinney, J. H.; Breunig, T. M.; Starr, T. L.; Haupt, D.; Nichols, M. C.; Stock, S. R.; Butts, M. D.; Saroyan, R. A.: X-ray tomographic study of chemical vapor infiltration processing of ceramic composites. p789 7 May 1993.
- Kinzler, Kenneth W. See Aaltonen, Lauri A.
- Kirkwood, Alfredo; Dudek, Serena M.; Gold, Joel T.; Aizenman, Carlos D.; Bear, Mark F.: Common forms of synaptic plasticity in the hippocampus and neocortex in vitro. p1518 4 June 1993.
- Kirkwood, Thomas B. L. See Kowald, Axel.
- Kirschenlohr, Heide L. See Grainger, David J.
- Kishihara, Kenji. See Penninger, Josef.
- Kishimoto Tadamitsu. See Davis, Samuel. See also Murakami, Masaaki.
- Kitsopoulos, Theofanis N.; Buntine, Mark A.; Baldwin, David P.; Zare, Richard N.; Chandler, David W.: Reaction product imaging: the H + D<sub>2</sub> reaction. p1605 11 June 1993.
- Klar, Kathryn A.: Tyrolean paraphernalia (letter). p147 9 Apr 1993.
- Klarlund, Jes K. See Baltensperger, Kurt.
- Klein, Melvin P. See Yachandra, Vittal K.
- Kliether, Steven A. See Lee, Min S.
- Knauff, Bruce M.: review of *War in the Tribal Zone*, edited by R. Brian Ferguson and Neil L. Whitehead. p1184 21 May 1992.
- Knowlton, Nancy; Weigt, Lee A.; Solórzano, Luis Anibal; Mills, DeEtta K.; Birmingham, Eldredge: Divergence in proteins, mitochondrial DNA, and reproductive compatibility across the Isthmus of Panama. p1629 11 June 1993.
- Kobayashi, Satoru; Amikura, Reiko; Okada, Masukichi: Presence of mitochondrial large ribosomal RNA outside mitochondria in germ plasm of *Drosophila melanogaster*. p1521 4 June 1993.
- Kochersperger, Lynn. See Hsieh, Linda C.
- Kocs, Darren: Interdisciplinary communication (letter). p1060 21 May 1992.
- Koff, Andrew; Ohtsuki, Masahiko; Polyak, Kornelia; Roberts, James M.; Massagué, Joan: Negative regulation of G1 in mammalian cells: inhibition of cyclin E-dependent kinase by TGF-β. p536 23 Apr 1993.
- Kohl, Nancy E.; Mosser, Scott D.; deSolms, S. Jane; Giuliani, Elizabeth A.; Pompliano, David L.; Graham, Samuel L.; Smith, Robert L.; Scolnick, Edward M.; Oliff, Allen; Gibbs, Jackson B.: Selective inhibition of ras-dependent transformation by a farnesyltransferase inhibitor. p1934 25 June 1993.
- Koi, Minoru; Johnson, Laura A.; Kalikin, Linda M.; Little, Peter F. R.; Nakamura, Yusuke; Feinberg, Andrew P.: Tumor cell growth arrest caused by subchromosomal transferable DNA fragments from Chromosome 11. p361 16 Apr 1993.
- Kolaczkowski, Stephen V. See Raja, N.
- Komhyr, W. D. See Gleason, J. F.
- Komuro, Hitoshi and Rakic, Pasko: Modulation of neuronal migration by NMDA receptors. p95 2 Apr 1993.
- Koob, George F. See Caine, S. Barak.
- Koop, B. See Drmanac, R.
- Koort, Maarten. See Groenink, Martijn.
- Koppel, Toomas (news): Computer firms look to the brain. p1075 21 May 1992. (women in science '93): No girls need apply. p422 16 Apr 1993. Our thinking is difficult to change. p402 16 Apr 1993. Writing a new script for science. p391 16 Apr 1993.
- Koretzky, Gary A. See Hovis, Robin R.
- Kornhauser, Jon M. See Ginty, David D.
- Koshland, Daniel E., Jr. (editorials): Moderation in science budgeting. p603 30 Apr 1993. The reader response: Ovvey. p1055 21 May 1992. Science and society. p143 9 Apr 1993. Women in science. p275 16 Apr 1993. (letter): Speaking out. p1861 25 June 1993.
- Kowald, Axel and Kirkwood, Thomas B. L.: Explaining fruit fly longevity (technical comment). p1664 11 June 1993.
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- Krumenaker, Larry (news): Virtual libraries, complete with journals, get real. p1066 21 May 1992.
- Krupa, David J.; Thompson, Judith K.; Thompson, Richard F.: Localization of a memory trace in the mammalian brain. p989 14 May 1993.
- Kuo, Scot C. and Sheetz, Michael P.: Force of single kinesin molecules measured with optical tweezers. p232 9 Apr 1993.
- Kürschner, Wolfram M. See Van Der Berg, Johan.
- Kuzmin, Igor. See Latif, Farida.

## L

- Labat, I. See Drmanac, R.
- Labow, G. See Gleason, J. F.
- Lallement, Rosine; Bertaux, Jean-Loup; Clarke, John T.: Deceleration of interstellar hydrogen at the heliospheric interface. p1095 21 May 1992.
- Laman, Jon D.: HIV and AIDS (letter). p1707 18 June 1993.
- Lamb, Lowell D. See McElvany, Stephen W.
- Lambert, Joseph B.; Zhang, Shizhong; Stern, Charlotte L.; Huffman, John C.: Crystal structure of a silyl cation with no coordination to anion and distant coordination to solvent. p1917 25 June 1993.
- Lander, Eric S.: DNA fingerprinting: the NRC report (letter). p1221 28 May 1993.
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- Landry, Christopher C. and Barron, Andrew R.: Synthesis of polycrystalline chalcopyrite semiconductors by microwave irradiation. p1653 11 June 1993.
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- Lane, William S. See Zahler, Alan M.
- Laneman, Scott A. See Broussard, Melanie E.
- Lange, G. See Brady, R. L.
- Lange-Carter, Carol A.; Pleiman, Chris M.; Gardner, Anne M.; Blumer, Kendall J.; Johnson, Gary L.: A divergence in the MAP kinase regulatory network defined by MEK kinase and Raf. p315 16 Apr 1993.
- Langer, Robert and Vacanti, Joseph P.: Tissue engineering. p920 14 May 1993.
- Langley, Charles H. See Long, Manyuan.
- Lanzavecchia, Antonio: Identifying strategies for immune intervention. p937 14 May 1993.
- Laporte, Léo F.: review of *William Diller Matthew, Paleontologist*, by Edwin H. Colbert. p109 2 Apr 1993.
- Laques, P. See Sanchez-Lavega, A.
- Lara, Antonio and Villalba, Ricardo: A 3620-year temperature record from *Fitzroya cupressoides* tree rings in southern South America. p1104 21 May 1992.
- Larko, D. See Gleason, J. F.
- Lasker, Jill S. See Wallace, Brigid M.
- Latif, Farida; Tory, Kalman; Gnarra, James; Yao, Masahiro; Duh, Fuh-Mei; Orcutt, Mary Lou; Stackhouse, Thomas; Kuzmin, Igor; Modi, William; Geil, Laura; Schmidt, Laura; Zhou, Fangwei; Li, Hua; Wei, Ming Hui; Chen, Fan; Glenn, Gladys; Choyke, Peter; Walther, McClellan M.; Weng, Youngkai; Duan, Dah-Shuh R.; Dean, Michael; Glavač, Damjan; Richards, Francesca M.; Crossey, Paul A.; Ferguson-Smith, Malcolm A.; Le Paslier, Denis; Chumakov, Ilya; Cohen, Daniel; Chinault, A.; Craig, Maher; Eamonn R.; Linehan, W. Marston; Zbar, Burton; Lerman, Michael I.: Identification of the von Hippel-Lindau disease tumor

- suppressor gene. p1317 28 May 1993.
- Latimer, Matthew J. *See* Yachandra, Vittal K.
- Lawler, Sean. *See* Ebner, Reinhard.
- Lawn, Richard M. *See* Grainger, David J.
- Lawrence, Jeanne B.: Nuclear structure research (letter). p278 16 Apr 1993.
- Lazcano, Antonio: review of *Marine Hydrothermal Systems and the Origin of Life*, edited by N. G. Holm. p1154 21 May 1992.
- Lazor, P. *See* Saxena, S. K.
- Leach, Fredrick S. *See* Aaltonen, Lauri A. *See also* Peltonen, Päivi.
- Lecacheux, J. *See* Sanchez-Lavega, A.
- Lechleiter, James D. *See* Camacho, Patricia.
- Lee, Angela. *See* Ebner, Reinhard.
- Lee, C.-H. *See* Skolnick, E. Y.
- Lee, Min S.; Kliewer, Steven A.; Provencal, Joan; Wright, Peter E.; Evans, Ronald M.: Structure of the retinoid X receptor  $\alpha$  DNA binding domain: a helix required for homodimeric DNA binding. p1117 21 May 1992.
- Lee, T. D.: DOE, Taiwan, and SSC support (letter). p738 7 May 1993.
- Lefebvre, Philippe; Malgrange, Brigitte; Staeker, Hinrich; Moonen, Gustave; Van De Water, Thomas R.: Retinoic acid stimulates regeneration of mammalian auditory hair cells. p692 30 Apr 1993.
- Le Gros, Graham. *See* Erard, François.
- Leguire, L. E.: Sorry, doctor (letter). p1708 18 June 1993.
- Lehn, Jean-Marie: Supramolecular chemistry (perspective). p1762 18 June 1993.
- Leiden, Jeffrey M. *See* Wang, Chung-Yih.
- Lenschow, D. H. *See* Dabberdt, W. F.
- Lenski, Richard E. and Mittler, John E.: Directed mutation (letter). p1222 28 May 1993. Unusual mutational mechanisms and evolution (technical comment). p1959 25 June 1993.
- Le Paslier, Denis. *See* Latif, Farida.
- Lerman, Michael I. *See* Latif, Farida.
- Lev, Elaine Rappaport. *See* Gold, Jay A.
- Levinson, Arthur D. *See* James, Guy L.
- Levy, Jay A. *See* Mosier, Donald E.
- Levy, Ronald. *See* Chabner, Bruce A.
- Lewis, Jason G. *See* Wagner, Richard W.
- Lewontin, Richard C. *See* Hartl, Daniel L.
- Li, Hua. *See* Latif, Farida.
- Li, Mengyang. *See* Flom, Erik B.
- Li, N. *See* Skolnick, E. Y.
- Liao, Jun and Martin, David C.: Direct imaging of the diacylene solid-state monomer-polymer phase transformation. p1489 4 June 1993.
- Liao, Xiubei. *See* Clemens, Karen R.
- Libbrecht, K. G. *See* Woodard, M. F.
- Licht, Paul. *See* Yalcinkaya, Tamer M.
- Lieu, Foo Y. *See* Taylor-Robinson, Andrew W.
- Lifson, Jeffrey D.; Piatak, Michael Jr.; Saag, Michael S.; Shaw, George M.: HIV and AIDS (letter). p1705 18 June 1993.
- Lile, Jack D. *See* Lin, Leu-Fen H.
- Lilje, Anne. *See* Sieh, Kerry.
- Lin, Leu-Fen H.; Doherty, Daniel H.; Lile, Jack D.; Bektesh, Susan; Collins, Frank: GDNF: a glial cell line-derived neurotrophic factor for midbrain dopaminergic neurons. p1130 21 May 1992.
- Lin, Wee-Chir and Desiderio, Stephen: Regulation of V(D)J recombination activator protein RAG-2 by phosphorylation. p953 14 May 1993.
- Lindvall, Scott. *See* Sieh, Kerry.
- Linehan, W. Marston. *See* Latif, Farida.
- Little, Peter F. R. *See* Koi, Minoru.
- Livi, Kenneth J. T. *See* Veblen, David R.
- Lloyd, Andrew R. *See* Taub, Dennis D.
- Lockhart, David J. and Kim, Peter S.: Electrostatic screening of charge and dipole interactions with the helix backbone. p198 9 Apr 1993.
- Lockhart, James C. *See* Reganold, John P.
- Long, Manyuan and Langley, Charles H.: Natural selection and the origin of *jingwei*, a chimeric processed functional gene in *Drosophila*. p91 2 Apr 1993.
- Lopez, Alfredo R. *See* Ebner, Reinhard.
- López, Dina L. and Williams, Stanley N.: Catastrophic volcanic collapse: relation to hydrothermal processes. p1794 18 June 1993.
- López, Gabriel P.; Biebuyck, Hans A.; Frisbie, C. Daniel; Whitesides, George M.: Imaging of features on surfaces by condensation figures. p647 30 Apr 1993.
- Lorius, C. *See* Raynaud, D.
- Lowell, Robert P.; Van Cappellen, Philippe; Germanovich, Leonid N.: Silica precipitation in fractures and the evolution of permeability in hydrothermal upflow zones. p192 9 Apr 1993.
- Lowenstein, E. *See* Skolnick, E. Y.
- Lubar, Steven: review of *The Evolution of Useful Things*, by Henry Petroski. p1166 21 May 1992.
- Lucas, Brian K. *See* James, Guy L.
- Lucas, Y.; Luizão, F. J.; Chauvel, A.; Rouiller, J.; Nahon, D.: The relation between biological activity of the rain forest and mineral composition of soils. p521 23 Apr 1993.
- Ludwig, Donald; Hilborn, Ray; Walters, Carl: Uncertainty, resource exploitation, and conservation: lessons from history (policy forum). p172 2 Apr 1993.
- Luizão, F. J. *See* Lucas, Y.
- Lukashin, Alexander. *See* Georgopoulos, Apostolos P.
- Lux, Daniel R. *See* Marchant, David R.
- Lyamichev, Victor; Brow, Mary Ann D.; Dahlberg, James E.: Structure-specific endonucleolytic cleavage of nucleic acids by eubacterial DNA polymerases. p778 7 May 1993.
- M**
- Macatonia, Steven E. *See* Hsieh, Chyi-Song.
- MacCluer, Jean W. *See* Benhorin, Jesia.
- Macgregor, A. Neil. *See* Reganold, John P.
- MacLachlan, N. J. *See* Stewart, T. A.
- MacIsaac, Paul D. *See* Mosier, Donald E.
- Maduke, Merritt and Roise, David: Import of a mitochondrial presequence into protein-free phospholipid vesicles. p364 16 Apr 1993.
- Mahaut-Smith, Martyn. *See* Backsai, Brian J.
- Maher, Eamonn R. *See* Latif, Farida.
- Matienschtein, Jane: review of *Spencer Baird of the Smithsonian*, by E. F. Rivinius and E. M. Youssef. p1163 21 May 1992.
- Mak, Tak W. *See* Penninger, Josef.
- Malbon, Craig C. *See* Moxham, Christopher M.
- Malgrange, Brigitte. *See* Lefebvre, Philippe.
- Malina, Robert M.: review of *Growth, Maturation, and Body Composition*, by Alex F. Roche. p1009 14 May 1993.
- Maliszewskyj, Nicholas C. *See* Josefowicz, Jack Y.
- Malone, S. *See* Hill, D. P.
- Malpass, Michael: review of *Provincial Power in the Inka Empire*, by Terrence N. D'Altry. p832 7 May 1993.
- Mann, Charles C. and Mark L. Plummer (news): The high cost of biodiversity. p1868 25 June 1993.
- Mann, Charles M. *See* Hamilton, Ewan J. M.
- Marchant, David R.; Swisher, Carl C., III; Lux, Daniel R.; West, David P., Jr.; Denton, George H.: Pliocene paleoclimate and East Antarctic Ice-Sheet history from surficial ash deposits. p667 30 Apr 1993.
- Margolis, B. *See* Skolnick, E. Y.
- Marron, Donald B. *See* Joskow, Paul L.
- Marshall, Eliot (news): Big science enters the clinic. p744 7 May 1993. Clinton backs SSC, space station. p1873 25 June 1993. The cost of scientific pork keeps going up. p156 9 Apr 1993. Could these cut-rate stations be contenders? p1228 28 May 1993. An expert panel advises, and the Army consents. p1068 21 May 1992. Fraudbuster ends hunger strike (news). p1715 18 June 1993. The greening of the national labs. p25 2 Apr 1993. NASA rethinks the space station. p1228 28 May 1993. NSF's hopes filibustered. p615 30 Apr 1993. A series of overlapping studies. p745 7 May 1993. (environment & the economy): A fair wind blows for one green technology. p1887 25 June 1993. Green profits: believers and doubters. p1888 25 June 1993. Is environmental technology a key to a healthy economy. p1886 25 June 1993.
- \_\_\_\_\_, and Anderson, Christopher (news): Clinton's mixed broth for R&D. p284 16 Apr 1993.
- Masters, James C., Jr. *See* James, Guy L.
- Martiensen, Robert A. *See* Vongs, Aurawan.
- Martin, David C. *See* Liao, Jun.
- Martin, Malcolm A. *See* Howcroft, T. Kevin.
- Martin, Patrick. *See* Pinet, Patrick C.
- Martinez, Neo D.: Effect of scale on food web structure (technical comment). p242 9 Apr 1993.
- Martinez, Ricardo N. *See* Rogers, Raymond R.
- Marx, Jean (news): Forging a path to the nucleus. p1588 11 June 1993. Genome project plans described. p152 9 Apr 1993. New colon cancer gene discovered. p751 7 May 1993.
- Marx, Preston A.; Compans, Richard W.; Gettie, Agegnehu; Staas, Jay K.; Gilley, Richard M.; Mulligan, Mark J.; Yamshchikov, Galina V.; Chen, Dexiang; Eldridge, John H.: Protection against vaginal SIV transmission with microencapsulated vaccine. p1323 28 May 1993.
- März, Winfried. *See* Ruzicka, Viktor.
- Maskill, Nissan. *See* Flom, Erik B.
- Massagué, Joan. *See* Koff, Andrew.
- Masucci, Maria G. *See* de Campos-Lima, Pedro-Otavio.
- Mathisen, Glenn E. *See* Allen, Allen D.
- Matteucci, Mark D. *See* Wagner, Richard W.
- Matthews, Brian W. *See* Blaber, Michael.
- Matthews, David J. and Wells, James A.: Substrate phage: selection of protease substrates by monovalent phage display. p1113 21 May 1992.
- Maurice, John (science in Europe): Immunology powerhouse in the Marseilles hills. p1750 18 June 1993.
- May, Mike (news): Battles over body fat. p1592 11 June 1993. Swinging sperm counts. p1592 11 June 1993. A time to be born. p1592 11 June 1993.
- Mayo, Kelly E. *See* Ginty, David D.
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- McBride, Lincoln J. *See* Patterson, Bruce K.
- McBryant, Steven J. *See* Clemens, Karen R.
- McCaughey, John P., Jr. *See* Josefowicz, Jack Y.
- McClure, Kim F. *See* Danishesky, Samuel J.
- McConnell, Stephen J. and Yaffe, Michael P.: Intermediate filament formation by a yeast protein essential for organelle inheritance. p687 30 Apr 1993.
- McCurdy, L. *See* Shen, Y. F.
- McDonald, Clare A. *See* Hamilton, Ewan J. M.
- McDowell, Robert S. *See* James, Guy L.
- McElvany, Stephen W.; Callahan, John H.; Ross, Mark M.; Lamb, Lowell D.; Huffman, Donald R.: Large odd-numbered carbon clusters from fullerene-ozone reactions. p1632 11 June 1993.
- McGill, Sally F. *See* Sieh, Kerry.
- McKenna, Malcolm C.: review of *Fossil Horses*, by Bruce J. MacFadden. p1156 21 May 1992.
- McLeod, Norman: Japan's SAT? (letter). p277 16 Apr 1993.
- McMichael, Andrew: Natural selection at work on the surface of virus-infected cells (perspective). p1771 18 June 1993.
- McPeters, R. *See* Gleason, J. F.
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- Mecklin, Jukka-Pekka. *See* Aaltonen, Lauri A.
- Medina, Aharon. *See* Benhorin, Jesia.
- Meehl, Gerald A. and Washington, Warren M.: South Asian summer monsoon variability in a model with doubled atmospheric carbon dioxide concentration. p1101 21 May 1992.
- Melese, G. *See* Prussin, Stanley G.
- Merson, Michael H.: Slowing the spread of HIV: agenda for the 1990s (policy forum). p1266 28 May 1993.
- Mervis, Jeffrey (news): Academy recommends global yardstick. p1871 25 June 1993.
- Metcalfe, James C. *See* Grainger, David J.
- Meyer, Axel. *See* Hawkins, Joel M.
- Meyer, James H.: The stalemate in food and agricultural research, teaching, and extension (policy forum). p881 14 May 1993.
- Meyn, M. Stephen: High spontaneous intrachromosomal recombination rates in ataxia-telangiectasia. p1327 28 May 1993.
- Michael, A. *See* Hill, D. P.
- Michel, Thomas: No lack of NO activity (letter). p146 9 Apr 1993.
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- Miller, A. J. *See* Gleason, J. F.
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- Mills, DeEtta K. *See* Knowlton, Nancy.
- Mills, Eric L.: review of *A History of Antarctic Science*, by G. E. Fogg. p1175 21 May 1992.
- Millstein, Richard A.: Drug abuse research (letter). p16 2 Apr 1993.
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- Mirza, Asra. *See* Pancholi, Preeti.
- Mistry, Anita; Greenlee, Robert; Fong, Kenneth: Database contamination (letter). p605 30 Apr 1993.
- Mittler, John E. *See* Lenski, Richard E.
- Modi, William. *See* Latif, Farida.
- Moffat, Anne Simon (news): Going back to the future with small synthetic compounds. p910 14 May 1993.
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- Moncada, Salvador. *See* Taylor-Robinson, Andrew W.
- Moncollin, Vincent. *See* Schaeffer, Laurent.
- Monetta, Alfredo M. *See* Rogers, Raymond R.
- Monroy, Gladys H. *See* Burk, Dan L.
- Montagnier, Luc. *See* Gougeon, Marie-Lise.
- Montgomery, Charles A. *See* Yokoyama, Takahiko.
- Moodie, Shonna A.; Willumsen, Berthe M.; Weber, Michael J.; Wolfman, Alan: Complexes of Ras-GTP with Raf-1 and mitogen-activated protein kinase kinase. p1658 11 June 1993.
- Moonen, Gustave. *See* Lefebvre, Philippe.
- Morell, Virginia (news): Evidence found for a possible "aggression gene." p1722 18 June 1993. Gene discovery points to better HD test. p29 2 Apr 1993. Huntington's gene finally found. p28 2 Apr 1993. The puzzle of the triple repeats. p1422 4 June 1993. (women in science '93): Called "trimates," three bold women shaped their field. p420 16 Apr 1993. Seeing nature through the lens of gender. p428 16 Apr 1993.
- Mori, James. *See* Sieh, Kerry.
- Mosier, Donald E.; Gulizia, Richard J.; MacIsaac, Paul D.; Torbett, Bruce E.; Levy, Jay A.: Rapid loss of CD4<sup>+</sup> T cells in human-PBL-SCID mice by noncytopathic HIV isolates. p689 30 Apr 1993.

- Mosser, Scott D. See Kohl, Nancy E.
- Motto, David G. See Hovis, Robin R.
- Moulds, Courtney. See Wagner, Richard W.
- Moynihan, Christopher M.; Hod, Yaakov; Malbon, Craig C.: Induction of  $\text{G}_{\alpha_2}$ -specific antisense RNA in vivo inhibits neonatal growth. p991 14 May 1993.
- Moxon, Richard. See Rainey, Paul.
- Muehlenbachs, Karlis. See Gautason, Bjarni.
- Mueller, Lawrence D. See Nusbaum, Theodore J.
- Mukerji, Ishita. See Yachandra, Vittal K.
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- Mulligan, Richard C.: The basic science of gene therapy. p926 14 May 1993.
- Munger, J. W. See Wofsy, S. C.
- Munguia, L. See Hill, D. P.
- Murakami, Masaaki; Hibi, Masahiko; Nakagawa, Naoko; Nakagawa, Toshimasa; Yasukawa, Kiyoshi; Yamanishi, Koichi; Taga, Tetsuya; Kishimoto, Tadamitsu: IL-6-induced homodimerization of gp130 and associated activation of a tyrosine kinase. p1808 18 June 1993.
- Murphy, Kenneth M. See Hsieh, Chyi-Song.
- Musci, Michael A. See Hovis, Robin R.
- Mustard, John F.: review of *Mars*, edited by Hugh H. Kieffer, Bruce M. Jakosky, Conway W. Snyder, and Mildred S. Matthews. p1174 21 May 1992.
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- N and O**
- Nahon, D. See Lucas, Y.
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- Nakagawa, Toshimasa. See Murakami, Masaaki.
- Nakamura, Yusuke. See Koi, Minoru.
- Naranjo, David and Brehm, Paul: Modal shifts in acetylcholine receptor channel gating confer subunit-dependent desensitization. p1811 18 June 1993.
- Nava, S. See Hill, D. P.
- Nealson, Kenneth H.: review of *Fossil Prokaryotes and Protists*, by Jere H. Lipps. p565 23 Apr 1993.
- Nelson, Robert M. See Hapke, Bruce W.
- Nelson, W. James. See Siemers, Kathleen A. (Krezeninski).
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- Neugebauer, Karla M. See Zahler, Alan M.
- Newman, P. See Gleason, J. F.
- Nichols, M. C. See Kinney, J. H.
- Nicholson, Richard S. and Abelson, Philip H.: Science and technology in government (editorial). p471 23 Apr 1993.
- Niklinska, Barbara B. See Volarević, Siniša.
- Noller, Harry F. See von Ahsen, Uwe.
- Nordin, Paul C. See Wallenberger, Frederick T.
- Norman, Colin; Kelner, Katrina; Voss, David: Science in Europe '93. p1733 18 June 1993.
- Normile, Dennis (news): Breaching industry-university barriers. p1585 11 June 1993. (women in science '93): A prize of one's own. p424 16 Apr 1993.
- Nurcombe, Victor; Ford, Miriam D.; Wildschut, Jason A.; Bartlett, Perry F.: Development regulation of neural response to FGF-1 and FGF-2 by heparan sulfate proteoglycan. p103 2 Apr 1993.
- Nusbaum, Theodore J.; Graves, Joseph L.; Mueller, Lawrence D.; Rose, Michael R.: Fruit fly aging and mortality (letter). p1567 11 June 1993.
- Nussenzeig, Roberto H. See Ribeiro, José M. C.
- Odum, Eugene P.: Biosphere 2: a new kind of science (letter). p878 14 May 1993.
- O'Garra, Anne. See Hsieh, Chyi-Song.
- Ohnesorge, F. and Binnig, G.: True atomic resolution by atomic force microscopy through repulsive and attractive forces. p1451 4 June 1993.
- Ohtsuki, Masahiko. See Koff, Andrew.
- Okada, Masukichi. See Kobayashi, Satoru.
- Olby, Robert: review of *The Molecular Vision of Life*, by Lily E. Kay. p1825 18 June 1993.
- Oldfield, Eric. See de Dios, Angel C.
- Oliff, Allen. See Kohl, Nancy E.
- Olszansky, S. Jay; Carnes, Bruce A.; Cassel, Christine K.: Fruit fly aging and mortality (letter). p1565 11 June 1993.
- Olson, Storrs L. See Parsons, Thomas J.
- Oltz, Eugene. See Taccioli, Guillermo E.
- O'Malley, David M. See Bao, Wuli.
- Oncley, S. P. See Dabberdt, W. F.
- O'Neill, Scott L. See Boyle, Lee.
- Oppenheim, Joost J. See Taub, Dennis D.
- Orban, Guy A. See Sáry, Gyula.
- Orcutt, Mary Lou. See Latif, Farida.
- Osterbrock, Donald E.: review of *Astronomy at Yale 1701-1968*, by Dorrit Hoffleit. p568 23 Apr 1993.
- Otto, Patricia. See Patterson, Bruce K.
- Overbeek, Paul A. See Yokoyama, Takahiko.
- Ovshinsky, S. R.; Fetcenko, M. A.; Ross, J.: A nickel metal hydride battery for electric vehicles. p176 9 Apr 1993.
- O'Young, C. L. See Shen, Y. F.
- P**
- Pace, Norman R.: Evolutionary relationships (letter). p1060 21 May 1992.
- Page, Tania. See Tsay, Yi-Fang.
- Pain, Roger H. See Varley, Paul.
- Palmer, Alan S. See Reganold, John P.
- Pan, L. S. See Piano, M. A.
- Pan, Li. See Davis, Samuel.
- Pancholi, Preeti; Mirza, Asra; Bhardwaj, Nina; Steinman, Ralph M.: Sequestration from immune CD4<sup>+</sup> T cells of mycobacteria growing in human macrophages. p984 14 May 1993.
- Parsons, Thomas J.; Olson, Storrs L.; Braun, Michael J.: Unidirectional spread of secondary sexual plumage traits across an avian hybrid zone. p1643 11 June 1993.
- Passador, Luciano; Cook, James M.; Gambello, Michael J.; Rust, Lynn; Iglesias, Barbara H.: Expression of *Pseudomonas aeruginosa* virulence genes requires cell-to-cell communication. p1127 21 May 1992.
- Patterson, Bruce K.; Till, Michele; Otto, Patricia; Goolsby, Charles; Furtado, Manohar R.; McBride, Lincoln J.; Wolinsky, Steven M.: Detection of HIV-1 DNA and messenger RNA in individual cells by PC-driven in situ hybridization and flow cytometry. p976 14 May 1993.
- Paul, Anne: review of *Chavin and the Origins of Andean Civilization*, by Richard L. Burger. p1183 21 May 1992.
- Paul, S. M.: Drug development: serious questions (letter). p1709 18 June 1993.
- Paunesku, T. See Drmanac, R.
- Pavgi, Sushama. See Yalcinkaya, Tamer M.
- Pawley, Alison R. and Holloway, John R.: Water sources for subduction zone volcanism: new experimental constraints. p664 30 Apr 1993.
- Pearlman, Joel A. See Fu, Ying-Hui.
- Pearse, Richard V., II. See Andersen, Bogi.
- Pearson, John G. See de Dios, Angel C.
- Pechmann, J. C. See Hill, D. P.
- Peltomäki, Päivi. See Aaltonen, Lauri A.
- ; Aaltonen, Lauri A.; Siston, Pertti; Pykkänen, Lea; Mecklin, Jukka-Pekka; Järvinen, Heikki; Green, Jane S.; Jass, Jeremy R.; Weber, James L.; Leach, Fredrick S.; Petersen, Gloria M.; Hamilton, Stanley R.; de la Chapelle, Albert; Vogelstein, Bert: Genetic mapping of a locus predisposing to human colorectal cancer. p810 7 May 1993.
- Peng, Wei-Jun. See Broussard, Melanie E.
- Penninger, Josef; Kishihara, Kenji; Molina, Thierry; Wallace, Valerie A.; Timms, Emma; Hedrick, Stephen M.; Mak, Tak W.: Requirement for tyrosine kinase p56<sup>ck</sup> for thymic development of transgenic  $\gamma$ B T cells. p358 16 Apr 1993.
- Pérez-Martín, José and Espinosa, Manuel: Protein-induced bending as a transcriptional switch. p805 7 May 1993.
- Perryman, M. Benjamin. See Fu, Ying-Hui.
- Petersen, Gloria M. See Aaltonen, Lauri A. See also Peltomäki, Päivi.
- Peterson, Laurence B. See Prins, Jan-Bas.
- Petryniak, Bronisława. See Wang, Chung-Yih.
- Peyrat, Marie-Alix. See Davodeau, François.
- Phillips, R. Stephen. See Taylor-Robinson, Andrew W.
- Phillips, Roger J. See Hansen, Vicki L.
- Piano, M. A.; Landstrass, M. I.; Pan, L. S.; Han, S.; Kania, D. R.; McWilliams, S.; Ager, J. W., III: Poly-crystalline CVD diamond films with high electrical mobility. p1310 28 May 1993.
- Piatak, Michael, Jr. See Lifson, Jeffrey D.
- Piazza, Alberto: Who are the Europeans? (perspective). p1767 18 June 1993.
- Pimentel, David and Pimentel, Marcia: Pesticides and the Delaney amendment (letter). p1409 4 June 1993.
- Pimentel, Marcia. See Pimentel, David.
- Pinet, Patrick C.; Chevrel, Serge D.; Martin, Patrick: Copernicus: a regional probe of the lunar interior. p797 7 May 1993.
- Pitts-Meek, S. See Stewart, T. A.
- Pizzati, Antonia. See Fu, Ying-Hui.
- Planet, W. See Gleason, J. F.
- Pleiman, Chris M. See Lange-Carter, Carol A.
- Plummer, Mark L. See Mann, Charles C.
- Podolin, Patricia L. See Prins, Jan-Bas.
- Polyak, Kornelia. See Koff, Andrew.
- Pompliano, David L. See Kohl, Nancy E.
- Pong, Sheng-Shung. See Smith, Roy G.
- Pool, Robert (news): Mass calculations add weight to QCD. p1077 21 May 1992.
- Portell, Roger W. See Allmon, Warren D.
- Potter, D. I. See Shen, Y. F.
- Powell, Steven M. See Aaltonen, Lauri A.
- Prentiss, Mara G.: Bound by light (perspectives). p1078 21 May 1992.
- Prins, Jan-Bas; Todd, John A.; Rodrigues, Nanda R.; Ghosh, Soumitra; Hogarth, P. Mark; Wicker, Linda S.; Gaffney, Erin; Podolin, Patricia L.; Fischer, Paul A.; Sirotina, Anna; Peterson, Laurence B.: Linkage on chromosome 3 of autoimmune diabetes and defective Fc receptor for IgG in NOD mice. p695 30 Apr 1993.
- Probstein, Ronald F. and Hicks, R. Edwin: Removal of contaminants from soils by electric fields. p498 23 Apr 1993.
- Provencal, Joan. See Lee, Min S.
- Prussin, Stanley G.; Glassey, C. Roger; Melese, G.: Converting weapons to fuel (letter). p607 30 Apr 1993.
- Pylkkänen, Lea. See Aaltonen, Lauri A. See also Peltonen, Päivi.
- R**
- Rainey, Paul and Moxon, Richard: Unusual mutational mechanisms and evolution (technical comment). p1958 25 June 1993.
- Raistrick, Ian D. See Brosha, Eric L.
- Raja, N.; Reddy, S.; Kolaczkowski, Stephen V.; Small, Gerald J.: A photoinduced persistent structural transformation of the special pair of a bacterial reaction center. p682 2 Apr 1993.
- Rakic, Pasko. See Komuro, Hitoshi.
- Rakowski, R. F. See Gadsby, David C.
- Ramond, Pierre: review of *Quantum Field Theory*, by Lowell S. Brown. p1986 25 June 1993.
- Randolph, John T. See Danishevsky, Samuel J.
- Random Samples: AAA presures Hawaii on guide dogs. p618 30 Apr 1993. AAAS members have their say. p495 23 Apr 1993. Aid to Soviet mathematicians. p1880 25 June 1993. An architect's dream project. p897 14 May 1993. A bang by any other name. . . p1881 25 June 1993. Bioengineered bubbly. p27 2 Apr 1993. Biologists press for environment agency. p158 9 Apr 1993. Biotech firm holes up at MBL. p1429 4 June 1993. Britannica out of the doghouse. p158 9 Apr 1993. Budget may sting insect unit. p1238 28 May 1993. Canadian blood inquiry. p1586 11 June 1993. Comeback for Karisoke. p1429 4 June 1993. Congress passes broad NIH bill. p1429 4 June 1993. Controversial head hangs on at WHO. p896 14 May 1993. Crafoord Prize goes to two geneticists. p26 2 Apr 1993. A crane with a view. p619 30 Apr 1993. Debut into the big time. p618 30 Apr 1993. Delayed accolades for Alaskan scientists. p1070 21 May 1992. Did Jupiter make a comet go to pieces? p295 16 Apr 1993. Driven by the sun. p1071 21 May 1992. Dutch astronomers esp supershells. p897 14 May 1993. Dutch magnetic resonance. p1718 18 June 1993. Elderly twin registry in the works. p1239 28 May 1993. EMF not guilty in kidney tumor case. p897 14 May 1993. Euro-women in science band together. p1070 21 May 1992. Explosive anatomy. p619 30 Apr 1993. Fed 'abdicate' fight over toxic compounds. p26 2 Apr 1993. Fighting smoking with child power. p1718 18 June 1993. Firing up the brain decade. p757 7 May 1993. Follow-the-leader math. p495 23 Apr 1993. A fungus on our family tree. p295 16 Apr 1993. Gamma-ray mission for ESA. p1586 11 June 1993. Good news on Arctic pollution. p1586 11 June 1993. Goodby, Columbus, hello LBT. p1070 21 May 1992. Hasletine moves to biotech firm. p1238 28 May 1993. The hazards of estrogens. p1238 28 May 1993. How to catch a (gravity) wave. p26 2 Apr 1993. Hyperactivity tied to gene defect. p295 16 Apr 1993. Japan science city shapes up. p757 7 May 1993. Latin science: what to do? p1587 11 June 1993. Lawsuit over Revelle's greenhouse views. p618 30 Apr 1993. Leaving the scene after victory. p26 2 Apr 1993. More doubt cast on Peary's claim. p1587 11 June 1993. More numbers on Clinton R&D initiatives. p618 30 Apr 1993. More women among the tenured. p494 23 Apr 1993. MREs from heaven. p27 2 Apr 1993. NAS director to move to Carnegie. p27 2 Apr 1993. NASA rounds up cyberspace cowboys. p158 9 Apr 1993. New AIDS research center to open. p158 9 Apr 1993. New look at drinking and the heart. p1239 28 May 1993. Newspapers abandon science readers. p1718 18 June 1993. NIH kills genes and crime grant. p619 30 Apr 1993. NIH to test AIDS drug nixed by WHO. p1880 25 June 1993. No big M in the sky (for now). p1718 18 June 1993. NRC on environmental research. p1071 21 May 1992. OTA finally gets new director. p896 14 May 1993. Predicting performance in graduate school. p494 23 Apr 1993. Profile of the aspiring physician. p1587 11 June 1993. Putting scientists into science fiction. p494 23 Apr 1993. Refining the tick-ticks of an atomic clock. p897 14 May 1993. Researcher donates patent rights to

- WHO. p1238 28 May 1993. Researchers' homes vandalized. p896 14 May 1993. Revising psychiatric diagnoses. p1586 11 June 1993. Russians, U.S. differ on Arctic sub threat. p1881 25 June 1993. Scarecrows go high tech. p1239 28 May 1993. Science on the move. p494 23 Apr 1993. Science proves Iraqi gas attack. p757 7 May 1993. Scientists running for German presidency. p1880 25 June 1993. Second find confirms Kuiper comets. p158 9 Apr 1993. Shake, rattle, and roll. p1881 25 June 1993. Sixth AIDS case traced to Florida dentist. p897 14 May 1993. Spotlight on behavioral research. p1070 21 May 1992. UK industrial R&D dragging. p1880 25 June 1993. Up-to-date evolution. p495 23 Apr 1993. Using plants as prospectors. p896 14 May 1993. Waterman Award winner. p618 30 Apr 1993. Whale alarm. p896 14 May 1993. Windfall for U.S. Wellcome researchers. p1071 21 May 1992. Wistar settles with Koprowski. p295 16 Apr 1993. Zagury probe concluded. p757 7 May 1993. Zoologist found guilty on smuggling count. p1429 4 June 1993.
- Ranganathan, Rama. See Dolph, Patrick J.
- Rathbun, Gary. See Taccioni, Guillermo E.
- Rauh, David M.: Extraterrestrial intelligence (letter). p475 23 Apr 1993.
- \_\_\_\_\_, and Jablonski, David: Geography of end-Cretaceous marine bivalve extinctions. p971 14 May 1993.
- Rave-Harel, Naama. See Benhorin, Jesaja.
- Rawson, Thomas E. See James, Guy L.
- Ray, Sanghanitra. See Hurley, James B.
- Raynaud, D.; Jouzel, J.; Barnola, J. M.; Chappellaz, J.; Delmas, R. J.; Lorius, C.: Citation corrections (letter). p1411 4 June 1993.
- Read, Andrew F. and Harvey, Paul H.: Evolving in a dynamic world (perspective). p1760 18 June 1993.
- Reasenberg, P. A. See Hill, D. P.
- Reddy, S. See Raja, N.
- Rees, D. C. See Chan, Michael K.
- Rees, William A.; Keller, Rebecca W.; Vesenka, James P.; Yang, Guoliang; Bustamante, Carlos: Evidence of DNA bending in transcription complexes imaged by scanning force microscopy. p1646 11 June 1993.
- Reganold, John P.; Palmer, Alan S.; Lockhart, James C.; Macgregor, A. Neil: Soil quality and financial performance of biodynamic and conventional farms in New Zealand. p344 16 Apr 1993.
- Reichard, Peter: From RNA to DNA, why so many ribonucleotide reductases? p1773 18 June 1993.
- Reiter, Russel J. See Davis, J. Glenn.
- Ribeiro, José M. C.; Hazzard, Jo M. H.; Nussenzeig, Roberto H.; Champagne, Donald E.; Walker, F. Ann: Reversible binding of nitric oxide by a salivary heme protein from a bloodsucking insect. p539 23 Apr 1993.
- Rice, Stuart A. See Flom, Erik B.
- Richards, Eric J. See Vongs, Awaran.
- Richards, Frances M. See Latif, Farida.
- Richards, Stephen. See Fu, Ying-Hui.
- Richardson, Stephen: review of *Cholera*, edited by Dhiman Barua and William B. Greenough III. p832 7 May 1993.
- Rickinson, Alan B. See de Campos-Lima, Pedro-Otavio.
- Risch, Neil. See Devlin, B.
- Ritchie, K. See Robine, J. M.
- Roberts, James M. See Koff, Andrew.
- Roberts, Leslie (environment and the economy): Bringing vanished ecosystems to life. p1890 25 June 1993. Wetlands trading is a losers' game, say ecologists. p1890 25 June 1993.
- Robertson, Hugh M. See Boyle, Lee.
- Robine, J. M. and Ritchie, K.: Explaining fruit fly longevity (technical comment). p1665 11 June 1993.
- Rodrigues, Nanda R. See Prins, Jan-Bas.
- Rodriguez, Rusty J. See Freeman, Stanley.
- Rodriguez-Boulan, Enrique. See Zurzolo, Chiara.
- Rodríguez, José A. and Goodman, D. Wayne: Metal-metal bonds in bimetallic surfaces (technical comments). p1527 4 June 1993.
- Roeder, Kathryn. See Devlin, B.
- Rogers, Raymond R.; Swisher, Carl C., III; Sereno, Paul C.; Monetta, Alfredo M.; Forster, Catherine A.; Martínez, Ricardo N.: The Ischigualasto tetrapod assemblage (Late Triassic, Argentina) and the timing of dinosaur origins. p794 7 May 1993.
- Roise, David. See Maduke, Merritt.
- Roland, Alex: review of *Science with a Vengeance*, by David H. DeVorkin. p703 30 Apr 1993.
- Romanowicz, Barbara: Spatiotemporal patterns in the energy release of great earthquakes. p1923 25 June 1993.
- Rose, Michael R. See Nusbaum, Theodore J.
- Rose, Timothy M. See Gersuk, Vivian H.
- Rosenberg, Gary. See Allmon, Warren D.
- Rosenfeld, Michael G. See Andersen, Bogi.
- Ross, J. See Hjelmfelt, A. See also Ovshinsky, S. R.
- Ross, Kenneth G. See Keller, Laurent.
- Ross, Mark M. See McElvany, Stephen W.
- Ross, Susan E. See Hovis, Robin R.
- Roth, Mark B. See Zahler, Alan M.
- Rouiller, J. See Lucas, Y.
- Rowe, J. E. See Wertheim, G. K.
- Rowe, Martin. See de Campos-Lima, Pedro-Otavio.
- Rowland, F. Sherwood: President's lecture: the need for scientific communication with the public. p1571 11 June 1993.
- Roy, Richard. See Schaeffer, Laurent.
- Rubin, Charles. See Sieh, Kerry.
- Ruggeri, Roger B. See Danishevsky, Samuel J.
- Russ, Andreas. See Ruzicka, Viktor.
- Rust, Lynn. See Passador, Luciano.
- Ruzicka, Viktor; März, Winfried; Russ, Andreas; Gross, Werner: Immuno-PCR with a commercially available avidin system (technical comment). p698 30 Apr 1993.
- Ryan, Timothy A. See Siemers, Kathleen A. (Krezeminski).
- S**
- Saag, Michael S. See Lifson, Jeffrey D.
- Sabel, Bernhard A.: Science reunification in Germany: a crash program (policy forum). p1753 18 June 1993.
- Sagan, Carl: Speaking out (letter). p1861 25 June 1993.
- Sahley, Christine L.: review of *Dynamic Biological Networks*, edited by Ronald M. Harris-Warrick, Eve Marder, Allen I. Selverston, and Maurice Moulins. p244 9 Apr 1993.
- Salk, Jonas; Bretscher, Peter A.; Salk, Peter L.; Clerici, Mario; Shearer, Gene M.: A strategy for prophylactic vaccination against HIV (perspective). p1270 28 May 1993.
- Salk, Peter L. See Salk, Jonas.
- Sancar, Aziz. See Selby, Christopher P.
- Sanchez-Lavega, A.; Lecacheux, J.; Colas, F.; Laques, P.: Ground-based observations of Saturn's north polar spot and hexagon. p329 16 April 1993.
- Sanders, Christopher O.: Interaction of the San Jacinto and San Andreas fault zones, southern California: triggered earthquake migration and coupled recurrence intervals. p973 14 May 1993.
- Sandford, S. A. See Allamandola, L. J.
- Sanford, A. See Hill, D. P.
- Sano, Takeshi; Smith, Cassandra L.; Cantor, Charles R.: Immuno-PCR with a commercially available avidin system (technical comment). p699 30 Apr 1993.
- Sarkis, Gary J. See Jacobs, William R., Jr.
- Saroyan, R. A. See Kinney, J. H.
- Sáry, Gyula; Vogels, Rufin; Orban, Guy A.: Cue-invariant shape selectivity of macaque inferior temporal neurons. p995 14 May 1993.
- Sasaki, Takanhiko. See Shirasawa, Senji.
- Sattler, Klaus. See Ge, Maohui.
- Sauer, Kenneth. See Yachanda, Vittal K.
- Saxena, S. K.; Shen, G.; Lazor, P.: Experimental evidence for a new iron phase and implications for Earth's core. p1312 28 May 1993.
- Scalaidhe, Séamas P. Ó. See Wilson, Fraser A. W.
- Scarlatto, Guglielmo. See Fu, Ying-Hui.
- Schaeffer, Laurent; Roy, Richard; Humbert, Sandrine; Moncollin, Vincent; Vermeulen, Wim; Hoeijmakers, Jan H. J.; Chambon, Pierre; Egly, Jean-Marc: DNA repair helicase: a component of BTF2 (TFIIF) basic transcription factor. p58 2 Apr 1993.
- Schaid, D. See Thibodeau, S. N.
- Scheinfeld, M. R. See Chamberlin, R. V.
- Schindler, Kevin S. See Allmon, Warren D.
- Schlessinger, Joseph. See Chardin, Pierre. See also Skolnick, E. Y.
- Schlötterer, Christian. See Amos, Bill.
- Schmidt, Laura. See Latif, Farida.
- Schnabel, Jim (news): New Alzheimer's therapy suggested. p1719 18 June 1993.
- Schneider, F. W. See Hjelmfelt, A.
- Schoen, William R. See Smith, Roy G.
- Schonemann, Marcus D. See Andersen, Bogi.
- Schopf, J. William: Microfossils of the Early Archean Apex chert: new evidence of the antiquity of life. p640 30 Apr 1993.
- Schroeder, Renée; Streicher, Barbara; Wank, Herbert: Splice-site selection and decoding: are they related? (perspective). p1443 4 June 1993.
- Schu, Peter V.; Takegawa, Kaoru; Fry, Michael J.; Stack, Jeffrey H.; Waterfield, Michael D.; Emr, Scott D.: Phosphatidylinositol 3-kinase encoded by yeast VPS34 gene essential for protein sorting. p88 2 Apr 1993.
- Schubert, Gerald. See Sun, Zi-Ping.
- Schuitemaker, Hanneke. See Groenink, Martijn.
- Schultz, Peter G. See Hsieh, Linda C.
- Schulz, S. and Toft, S.: Identification of a sex pheromone from a spider. p1635 11 June 1993.
- ScienceScope: Advice to a lovelorn super collider. p743 7 May 1993. Amgen to launch immunology institute. p611 30 Apr 1993. Another reversal for the AIDS vaccine trial? p1227 28 May 1993. As rare virus waxes, Army viral research wanes. p1579 11 June 1993. Berkeley bemoans possible faculty exodus. p1579 11 June 1993. Biotech slips in White House . . . and suffers a blow in Congress. p1867 25 June 1993. CDC chokes on AIDS treatment proposal. p883 14 May 1993. Clinton budget hurts LBL's fusion program. p611 30 Apr 1993. Clinton clears way for academic pork roast. p883 14 May 1993. Clinton to sign (irrelevant?) treaty. p1415 4 June 1993. Congress may hang up on AIDS hotline. p611 30 Apr 1993. Congress takes up banner for biodiversity. p479 23 Apr 1993. Day of judgment nears for tPA. p479 23 Apr 1993. Did DOE's Happier fall into ozone hole? p743 7 May 1993. Divorce splits LIGO's dysfunctional family. p1063 21 May 1992. DOD to single out MicroGeneSys vaccine. p19 2 Apr 1993. FDA considers labels on bioengineered food. p883 14 May 1993. FDA to ask for data on gender differences. p743 7 May 1993. Feder and Stewart, historian trade charges. p151 9 Apr 1993. Federal belt-tightening imperils user fees. p1711 18 June 1993. Former EMBL chief to lead Big Apple lab. p479 23 Apr 1993. Fraudbuster foresews food. p1063 21 May 1992. Galas to leave DOE for biotech company. p1867 25 June 1993. Get your C.V. and a pen handy. p283 16 Apr 1993. Grants go to Russian science, despite turmoil. p19 2 Apr 1993. HHs may join crime conference fray. p1227 28 May 1993. In search of: one NIH director. p19 2 Apr 1993. Leading candidates reject top agency jobs. p743 7 May 1993. The long arm of the NASA bean-counters. p1227 28 May 1993. Mix-up closes misconduct hearings. p883 14 May 1993. New Euro agency may speed grant awards. p611 30 Apr 1993. NIH to clarify rules for tenure. p283 16 Apr 1993. NIST to aid biosensor industry. p1711 18 June 1993. NSF budget starts off right. p1415 4 June 1993. ORI rulings: naming names. p1867 25 June 1993. Protests fails to avert Mirzayanov trial. p151 9 Apr 1993. Research plan on EMFs forthcoming. p1579 11 June 1993. Russian Arctic dumps hotter than realized. p151 9 Apr 1993. Russians to launch their own UARS. p1227 28 May 1993. Scientist accused of theft retains post. p1415 4 June 1993. Scientists to plumb marine diversity depths. p1579 11 June 1993. Short list for NIH director job. p1063 21 May 1992. Sky's the limit for women's health groups. p1063 21 May 1992. Suit puts EMF science on trial. p479 23 Apr 1993. A trap for archeological looters. p19 2 Apr 1993. Two names in NIH director hat. p1711 18 June 1993. UC faculty shun research corporation. p1415 4 June 1993. U.S. to explore dad's rads, child cancer link. p283 16 Apr 1993. U.S. to grab land for Alaskan bird sanctuary. p151 9 Apr 1993. VA medical research to take big hit. p283 16 Apr 1993. Whale management body irks scientists. p1711 18 June 1993.
- Scolnick, Edward M. See Kohl, Nancy E.
- Scott, Phillip: IL-12: initiation cytokine for cell-mediated immunity (perspective). p496 23 Apr 1993.
- Scott, Randy W.: Sequencing the human genome (letter). p606 30 Apr 1993.
- Sedoroff, Ronald R. See Bao, Wuli.
- Seftor, C. See Gleason, J. F.
- Selby, Christopher P. and Sancar, Aziz: Molecular mechanism of transcription-repair coupling. p53 2 Apr 1993.
- Sell, Stewart: Liver stem cells (letter). p1224 28 May 1993.
- Senechal, Marjorie: review of *Spatial Tessellations*, by Atsuyuki Okabe, Barry Boots, and Kokichi Sugihara. p1170 21 May 1992.
- Sereno, Paul C. See Rogers, Raymond R.
- Service, Robert F. (news): Making modular memories. p1876 25 June 1993.
- Severn, Alison. See Taylor-Robinson, Andrew W.
- Shapiro, Arthur M.: review of *Biology and Conservation of the Monarch Butterfly*, edited by Stephen B. Malcolm and Myron P. Zalucki. p1983 25 June 1993.
- Shapiro, Howard M.: review of *Flow Cytometry*, by Alice Longobardi Givan. p1533 4 June 1993.
- Shaw, George M. See Lifson, Jeffrey D.
- Shaw, Stanley Y. and Wang, James C.: Knotting of a DNA chain during ring closure. p533 23 Apr 1993.
- Shearer, Gene M. See Salk, Jonas.
- Sheetz, Michael P. See Kuo, Scot C.
- Shefrin, Deborah H. See Gold, Jay A.
- Shen, G. See Saxena, S. K.
- Shen, Glen T. See Cole, Julia E.
- Shen, Y. F.; Zerger, R. P.; DeGuzman, R. N.; Suib, S. L.; McCurdy, L.; Potter, D. I.; O'Young, C. L.: Manganese oxide octahedral molecular sieves: preparation, characterization, and applications. p511 23 Apr 1993.
- Shirasawa, Senji; Furuse, Masanori; Yokoyama, Nobuhiko; Sasazuki, Takanhiko: Altered growth of human colon cancer cell lines disrupted at activated Ki-ras. p85 2 Apr 1993.
- Shore, Sheldon G. See Hamilton, Ewan J. M.
- Shubik, Philippe: Pesticides and the Delaney amendment (letter). p1409 4 June 1993.

- Shum, Lillian. See Ebner, Reinhard.
- Sieh, Kerry; Jones, Lucile; Hauksson, Egill; Hudnut, Kenneth; Eberhart-Phillips, Donna; Heaton, Thomas; Hough, Susan; Hutton, Kate; Kanamori, Hiroo; Lilje, Anne; Lindvall, Scott; McGill, Sally F.; Mori, James; Rubin, Charles; Spotila, James A.; Stock, Joann; Thio, Hong Kie; Treiman, Jerome; Wernicke, Brian; Zachariasen, Judith. Near-field investigations of the Landers earthquake sequence, April to July 1992. p171 9 Apr 1993.
- Siemers, Kathleen A. (Krzeminski); Wilson, Rachel (Hammerton); Mays, Robert W.; Ryan, Timothy A.; Wollner, Debra A.; Nelson, W. James. Delivery of  $\text{Na}^+$ ,  $\text{K}^+$ -ATPase in polarized epithelial cells. p554 23 Apr 1993.
- Silbert, Pentti K. See Yalcinkaya, Tamer M.
- Simon, Anne E. See Cascone, Pamela J.
- Simpson, R. W. See Hill, D. P.
- Singer, Dinah S. See Howcroft, T. Kevin.
- Singh, Harinder. See Andersen, Bogi.
- Singh, Satish C.; Minshull, Timothy A.; Spence, George D. Velocity structure of a gas hydrate reflector. p204 9 Apr 1993.
- Sirotnina, Anna. See Prins, Jan-Bas.
- Sistonen, Pertti. See Altonen, Lauri A. See also Peltonen, Päivi.
- Skole, David and Tucker, Compton. Tropical deforestation and habitat fragmentation in the Amazon: satellite data from 1978 to 1988. p1905 25 June 1993.
- Skolnick, E. Y.; Batzer, A.; Li, N.; Lee, C.-H.; Lowenstein, E.; Mohammadi, M.; Margolis, B.; Schlessinger, J. The function of GRB2 in linking the insulin receptor to Ras signaling pathways. p1953 25 June 1993.
- Sleppy, C. R. See Cartier, S. F.
- Slutsky, L. J. See Zaug, J. M.
- Small, Gerald J. See Raja, N.
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- Smelik, Eugene A. See Veblen, David R.
- Smith, Amos B., III. See Josefowicz, Jack Y.
- Smith, Cassandra L. See Sano, Takeshi.
- Smith, Marvin T.: review of *The Native Population of the Americas in 1492*, edited by William M. Denevan, *Disease and Demography in the Americas*, edited by John W. Verano and Douglas H. Ubelaker, and *Disease, Depopulation, and Culture Change in Northwestern New Spain, 1518–1764*, by Daniel T. Reff. p1179 21 May 1992.
- Smith, R. B. See Hill, D. P.
- Smith, Robert L. See Kohl, Nancy E.
- Smith, Roy G.; Cheng, Kang; Schoen, William R.; Pong, Sheng-Shung; Hickey, Gerard; Jacks, Tom; Butler, Bridget; Chan, Wanda W.-S.; Chaung, Lee-Yuh P.; Judith, Fred; Taylor, Joyce; Wyvratt, Matthew J.; Fisher, Michael H. A nonpeptidyl growth hormone secretagogue. p1640 11 June 1993.
- Smythe, William D. See Hapke, Bruce W.
- Snoody, J. See Drmanac, R.
- Snutch, Terry P. See Soong, Tuck Wah.
- Socolich, Michael. See Dolph, Patrick J.
- Sogin, Mitchell L. See Wainright, Patricia O.
- Soldati, Dominique and Boothroyd, John C. Transient transfection and expression in the obligate intracellular parasite *Toxoplasma gondii*. p349 16 Apr 1993.
- Solórzano, Luis Aríbal. See Knowlton, Nancy.
- Soltoff, Stephen P. See Tuveson, David A.
- Somers, Todd C. See James, Guy L.
- Somjen, George G.: review of *Astrocytes*, edited by Sean Murphy. p1984 25 June 1993.
- Soong, Tuck Wah; Stea, Anthony; Hodson, Connie D.; Dubel, Stefan J.; Vincent, Steven R.; Snutch, Terry P.: Structure and functional expression of a member of the low voltage-activated calcium channel family. p1133 21 May 1992.
- Sosne, Gabriel. See Jacobs, William R., Jr.
- Spence, George D. See Singh, Satish C.
- Spotila, James A. See Sieh, Kerry.
- Staats, Jay K. See Marx, Preston A.
- Stack, Jeffrey H. See Schu, Peter V.
- Stackhouse, Thomas. See Latif, Farida.
- Staecker, Hinrich. See Lefebvre, Philippe.
- Stahl, Neil. See Davis, Samuel.
- Stampato, Thomas. See Taccioli, Guillermo E.
- Stanley, Daniel Jean and Warne, Andrew G.: Nile delta: recent geological evolution and human impact. p628 30 Apr 1993.
- Stanley, George G. See Broussard, Melanie E.
- Stark, M. See Hill, D. P.
- Starr, T. L. See Kinney, J. H.
- Stauffer, Bernhard: The Greenland Ice Core Project (perspective). p1764 18 June 1993.
- Stea, Anthony. See Soong, Tuck Wah.
- Stein, Gary S. See Davis, J. Glenn.
- Steinberg, S.; Ducker, W.; Vigil, G.; Hyukjin, C.; Frank, C.; Tseng, M. Z.; Clarke, D. R.; Israelachvili, J. N.: Van der Waals epitaxial growth of  $\alpha$ -alumina nanocrystals on mica. p656 30 Apr 1993.
- Steinman, Ralph M. See Pancholi, Preeti.
- Steitz, Thomas A. See Beese, Lorena S.
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- Stern, Paul C.: A second environmental science: human-environmental interactions (policy forum). p1897 25 June 1993.
- Stewart, Alexandre F. R. See Block, Barbara A.
- Stewart, T. A.; Hultgren, B.; Huang, X.; Pitts-Meek, S.; Hull, J.; MacLachlan, N. J.: Induction of type I diabetes by interferon- $\alpha$  in transgenic mice. p1942 25 June 1993.
- Stickel, Shawn K. See Wainright, Patricia O.
- Stickney, M. See Hill, D. P.
- Stierle, Andrea; Strobel, Gary; Stierle, Donald: Taxol and taxane production by *Taxomyces andreae*, an endophytic fungus of Pacific yew. p214 9 Apr 1993.
- Stierle, Donald. See Stierle, Andrea.
- Stock, Joann. See Sieh, Kerry.
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- Stone, Richard (news): Biotech sails into heavy financial seas. p908 14 May 1993. The case against implants. p31 2 Apr 1993. Dental institute report has NIH down in the mouth. p1069 21 May 1992. Dioxin: still deadly. p31 2 Apr 1993. Dispute over *Exxon Valdez* cleanup data gets messy. p749 7 May 1993. Lead still a threat abroad. p30 2 Apr 1993. NASA researchers eye Mir. p1230 28 May 1993. Panel finds gaps in violence studies. p1584 11 June 1993. Surprise! a fungus factory for taxol? p154 9 Apr 1993.
- Stossel, Thomas P.: On the crawling of animal cells. p1086 21 May 1992.
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- Suib, S. L. See Shen, Y. F.
- Sun, Zi-Ping; Schubert, Gerald; Glatzmaier, Gary A.: Banded surface flow maintained by convection in a model of the rapidly rotating giant planets. p661 30 Apr 1993.
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- Swan, Shanna H.: Judging science (letter). p879 14 May 1993.
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- T
- Tabazadeh, A. and Turco, R. P.: Stratospheric chlorine injection by volcanic eruptions: HCl scavenging and implications for ozone. p1082 21 May 1992.
- Taccioli, Guillermo E.; Rathbun, Gary; Oltz, Eugene; Stampato, Thomas; Jeggo, Penny A.; Alt, Frederick W.: Impairment of V(D)J recombination in double-strand break repair mutants. p207 9 Apr 1993.
- Taga, Tetsuya. See Davis, Samuel. See also Murakami, Masaki.
- Taira, Masato. See Georgopoulos, Apostolos P.
- Takahashi, Joseph S. See Ginty, David D.
- Takegawa, Kaoru. See Schu, Peter V.
- Tanaka, Hidenao. See Ukita, Hiroo.
- Taub, Dennis D.; Conlon, Kevin; Lloyd, Andrew R.; Oppenheim, Joost J.; Kelvin, David J.: Preferential migration of activated CD4 $^{+}$  and CD8 $^{+}$  T cells in response to MIP-1 $\alpha$  and MIP-1 $\beta$ . p355 16 Apr 1993.
- Taubes, Gary (news): Citation rankings: no technical knockout? p885 14 May 1993. A fateful prediction. p1581 11 June 1993. Measure for measure in science. p884 14 May 1993. NASA launches a 5-year plan to clone drones. p286 16 Apr 1993. OGLEING, MACHOs, and the search for dark matter. p492 23 Apr 1993. The ozone backlash. p1580 11 June 1993. Physicists explore the driplines. p1874 25 June 1993. Pinning down a missing link in massive stars. p34 2 Apr 1993. Stratospheric chlorine: blaming it on nature. p1582 11 June 1993.
- Tautz, Diethard. See Amos, Bill.
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- Taylor-Robinson, Andrew W.; Phillips, R. Stephen; Severn, Alison; Moncada, Salvador; Liew, Foo Y.: The role of T<sub>H1</sub> and T<sub>H2</sub> cells in a rodent malaria infection. p1931 25 June 1993.
- Temple, Robert: Tyrolean paraphernalia (letter). p147 9 Apr 1993.
- Teng, BaBie; Burant, Charles F.; Davidson, Nicholas O.: Molecular cloning of an apolipoprotein B messenger RNA editing protein. p1816 18 June 1993.
- Teresi, Dick: The G-word (letter). p607 30 Apr 1993.
- Tersmette, Matthijs. See Groenink, Martijn.
- Thibodeau, S. N.; Bren, G.; Schaid, D.: Microsatellite instability in cancer of the proximal colon. p816 7 May 1993.
- Thio, Hong Kie. See Sieh, Kerry.
- Thompson, Craig B. See Wang, Chung-Yih.
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- Thorson, Robert M.: Postglacial offset along the Seattle fault (technical comment). p825 7 May 1993.
- Tielens, A. G. G. M. See Allamandola, L. J.
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- Toft, S. See Schulz, S.
- Tomlinson, R. David: review of *Vestibular and Brain Stem Control of Eye, Head and Body Movements*, edited by Hiroshi Shimazu and Yoshikazu Shinoda, and *Sensing and Controlling Motion*, edited by Bernard Cohen, David L. Tomko, and Fred Guedry. p567 23 Apr 1993.
- Torbett, Bruce E. See Mosier, Donald E.
- Tory, Kalman. See Latif, Farida.
- Toubin, Jeffrey. See Benhorin, Jesia.
- Train, Spencer G. See Broussard, Melanie E.
- Travis, John (news): Biotech gets a grip on cell adhesion. p904 14 May 1993. How to catch a gravitational wave. p613 30 Apr 1993. Imanishi-Kari says her new data shows she was right. p1073 21 May 1992. LIGO: a \$250 million gamble. p612 30 Apr 1993. New tumor suppressor gene captured. p1235 28 May 1993. Novel anticancer agents move closer to reality. p1877 25 June 1993. Thanks for the memories. p162 9 Apr 1993. What's in a name? p162 9 Apr 1993. (women in science '93): Making room for women in the culture of science. p412 16 Apr 1993.
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- Trilling, G. H.: Support for the SSC (letter). p737 7 May 1993.
- Trimble, Virginia: review of *Elements and the Cosmos*, edited by Mike G. Edmunds and Roberto Terlevich. p1533 4 June 1993.
- Tripp, Catherine S. See Hsieh, Chyi-Song.
- Trümper, Joachim: ROSAT—a new look at the x-ray sky (perspective). p1769 18 June 1993.
- Tsay, Yi-Fang; Frank, Mary J.; Page, Tania; Dean, Caroline; Crawford, Nigel M.: Identification of a mobile endogenous transposon in *Arabidopsis thaliana*. p342 16 Apr 1993.
- Tse, Amy; Tse, Frederick W.; Almers, Wolfhard; Hille, Bertil: Rhythmic exocytosis stimulated by GnRH-induced calcium oscillations in rat gonadotropes. p82 2 Apr 1993.
- Tse, Frederick W. See Tse, Amy.
- Tseng, M. Z. See Steinberg, S.
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- Tsutsui, Hiroyuki; Ishihara, Kazuaki; Cooper, George, IV: Cytoskeletal role in the contractile dysfunction of hypertrophied myocardium. p682 30 Apr 1993.
- Tucker, Compton. See Skole, David.
- Turco, R. P. See Tabazadeh, A.
- Turgeon, Benoit. See Caldwell, John.
- Tuveson, David A.; Carter, Robert H.; Soltoff, Stephen P.; Fearon, Douglas T.: CD19 of B cells as a surrogate kinase insert region to bind phosphatidylinositol 3-kinase. p986 14 May 1993.
- U and V
- Udani, Rupa. See Jacobs, William R., Jr.
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- Ukita, Hiroo; Uenishi, Yuji; Tanaka, Hidenao: A photomicrodynamic system with a mechanical resonator monolithically integrated with laser diodes on gallium arsenide. p786 7 May 1993.
- Vacanti, Joseph P. See Langer, Robert.
- Vale, Ronald D.: Measuring single protein motors at work (perspective). p169 9 Apr 1993.
- Valentine, James W.: review of *Terrestrial Ecosystems Through Time*, edited by Anna K. Behrensmeyer, John D. Damuth, William A. DiMichele, Richard Potts, Hans-Dieter Sues, and Scott L. Wing. p244 9 Apr 1993.
- Van Aelst, Linda. See Chardin, Pierre.
- Van Cappellen, Philippe. See Lowell, Robert P.
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- Van Der Berg, Johan; Visscher, Henk; Dilcher, David L.; Kürschner, Wolfram M.: Paleoatmospheric signatures in neogene fossil leaves. p1788 18 June 1993.
- van Kammen, Ab. See Vijn, Irma.
- van Koppen, Petra A. M. See Bowers, Michael T.

- Van Lookeren Campagne, Michael M. See Kessin, Richard H.  
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\_\_\_\_\_, and Carey, James R.: Compositional interpretations of medfly mortality (technical comment). p1666 11 June 1993.  
Veblen, David R.; Banfield, Jillian F.; Guthrie, George D., Jr.; Heaney, Peter J.; Ilton, Eugene S.; Livi, Kenneth J. T.; Smelik, Eugene A.: High-resolution and analytical transmission electron microscopy of mineral disorder and reactions. p1465 4 June 1993.  
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Volarević, Siniša; Niklinska, Barbara B.; Burns, Christopher M.; June, Carl H.; Weissman, Allan M.; Ashwell, Jonathan: Regulation of TCR signaling by CD45 lacking transmembrane and extracellular domains. p541 23 Apr 1993.  
von Ahsen, Uwe and Noller, Harry F.: Footprinting the sites of interaction of antibiotics with catalytic group I intron RNA. p1500 4 June 1993.  
Vongs, Arawanan; Kakutani, Tetsuji; Martienssen, Robert A.; Richards, Eric J.: *Arabidopsis thaliana* DNA methylation mutants. p1926 25 June 1993.  
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- W**
- Wade, David P. See Grainger, David J.  
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Wagner, Richard W.; Matteucci, Mark D.; Lewis, Jason G.; Gutierrez, Arnold J.; Moulds, Courtney; Froehler, Brian C.: Antisense gene inhibition by oligonucleotides containing C-5 propyne pyrimidines. p1510 4 June 1993.  
Wainright, Patricia O.; Hinkle, Gregory; Sogin, Mitchell L.; Stickel, Shawna K.: Monophyletic origins of the Metazoa: an evolutionary link with fungi. p340 16 Apr 1993.  
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Wang, Chung-Yih; Petryniak, Bronislawa; Thompson, Craig B.; Kaelin, William G.; Leiden, Jeffrey M.: Regulation of the Ets-related transcription factor Elf-1 by binding to the retinoblastoma protein. p1330 28 May 1993.  
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Witkowski, Jan A.: Sociological discourse (letter). p147 9 Apr 1993.  
Wofsy, S. C.; Goulden, M. L.; Munger, J. W.; Fan, S.-M.; Bakwin, P. S.; Daube, B. C.; Bassow, S. L.; Bazzaz, F. A.: Net exchange of CO<sub>2</sub> in a mid-latitude forest. p1314 28 May 1993.  
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## X and Y

- Xie, Y.-H. See Iyer, S. S.  
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Yalcinkaya, Tamer M.; Silteri, Pentti K.; Vigne, Jean-Louis; Licht, Paul.; Pavgi, Sushama; Frank, Lawrence G.; Glickman, Stephen E.: A mechanism for virilization of female spotted hyenas in utero. p1929 25 June 1993.  
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Yoder, Marilyn D.; Keen, Noel T.; Jurnak, Frances: New domain motif: the structure of pectate lyase factor, a secreted plant virulence factor. p1503 4 June 1993.  
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## Z

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Zhuo, Min; Small, Scott A.; Kandel, Eric R.; Hawkins, Robert D.: Nitric oxide and carbon monoxide produce activity-dependent long-term synaptic enhancement in hippocampus. p1946 25 June 1993.  
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Zuckerman, Ben: Interdisciplinary symposia (letter). p877 14 May 1993.  
Zuo, Yuegang and Hoigné, Jürg: Evidence for photochemical formation of H<sub>2</sub>O<sub>2</sub> and oxidation of SO<sub>2</sub> in authentic fog water. p71 2 Apr 1993.  
Zurzolo, Chiara and Rodriguez-Boulan, Enrique: Delivery of Na<sup>+</sup>,K<sup>+</sup>-ATPase in polarized epithelial cells (technical comment). p550 23 Apr 1993.