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- Lamb, Teresa M.; Knecht, Anne K.; Smith, William C.; Stachel, Scott E.; Economides, Aris N.; Stahl, Neil; Yancopoulos, George D.; Harland, Richard M.: Neural induction by the secreted polypeptide noggin. p713 29 Oct 1993.
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- Lawrence, Charles E.; Altschul, Stephen F.; Boguski, Mark S.; Liu, Jun S.; Neuwald, Andrew F.; Wootton, John C.: Detecting subtle sequence signals: a Gibbs sampling strategy for multiple alignment. p208 8 Oct 1993.
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- ; Almond, Jeffrey W.; Berns, Kenneth I.; Chanock, Robert M.; Lvov, Dmitry K.; Pettersson, Ralf F.; Schatzmayr, Hermann G.; Fenner, Frank: The remaining stocks of smallpox virus should be destroyed (policy forum). p1223 19 Nov 1993.
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- Martin, Gregory B.; Brommonschenkel, Sergio H.; Chunwongse, Julapark; Frary, Anne; Ganai, Martin W.; Spivey, Roddy; Wu, Tiyyun; Earle, Elizabeth D.; Tanksley, Steven D.: Map-based cloning of a protein kinase gene conferring disease resistance in tomato. p1432 26 Nov 1993.
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- ; Anderson, Christopher; Marshall, Eliot (news): Better for science than expected. p836 5 Nov 1993.
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- Miranker, Andrew; Robinson, Carol V.; Radford, Sheena E.; Aplin, Robin T.; Dobson, Christopher M.: Detection of transient protein folding populations by mass spectrometry. p896 5 Nov 1993.
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- Miyajima, Atsushi. See Russell, Sarah M.
- Moffat, Anne Simon (news): Economics: a subdiscipline comes in from the cold. p508 22 Oct 1993.
- Montagnier, L. See Gougeon, M. L.
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- Moore, Janice: review of *The Evolutionary Biology of Parasitism*, by Gerald W. Esch and Jacqueline C. Fernández. p124 1 Oct 1993.
- Moran, J. M. See Backer, D. C.
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- Morse, Randall H.: Nucleosome disruption by transcription factor binding in yeast. p1563 3 Dec 1993.
- Morzunov, Sergey. See Nichol, Stuart T.
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- Müller, W.; Ringsdorf, H.; Rump, E.; Wildburg, G.; Zhang, X.; Angermaier, L.; Knoll, W.; Liley, M.; Spinke, J.: Attempts to mimic docking processes of the immune system: recognition-induced formation of protein multilayers. p1706 10 Dec 1993.
- Mullins, James I. See Delwart, Eric L.
- Munemitsu, Susan. See Rubinfeld, Bonnie.
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- Murphy, C. J.; Arkin, M. R.; Jenkins, Y.; Ghatlia, N. D.; Bossmann, S. H.; Turro, N. J.; Barton, J. K.: Long-range photoinduced electron transfer through a DNA helix. p1025 12 Nov 1993.
- Murray, C. A. See Seul, M.
- Murtari, Darren J. See Parge, Hans E.
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- Myers, Charles W. and Daly, John W.: Tropical poison frogs (letter). p1193 19 Nov 1993.
- Myers, Jason K. and Widlanski, Theodore S.: Mechanism-based inactivation of prostatic acid phosphatase. p1451 26 Nov 1993.

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- Nata, Koji. See Takasawa, Shin.
- Neely, Alan; Wei, Xiangyang; Olcese, Riccardo; Birnbaumer, Lutz; Stefani, Enrico: Potentiation by the β subunit of the ratio of the ionic current to the charge movement in the cardiac calcium channel. p575 22 Oct 1993.
- Neher, Erwin. See von Rüden, Ludolf.
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- Niering, William A. See Anderson, Roger C.
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- _____; Nakamura, Yoshiaki; Russell, Sarah M.; Ziegler, Steven F.; Tsang, Monica; Cao, Xiqing; Leonard, Warren J.: Interleukin-2 receptor γ chain: a functional component of the interleukin-7 receptor. p1877 17 Dec 1993.
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- Nowak, Rachel (news): 'Bubble boy' paradox resolved. p1818 17 Dec 1993. Draft genome map debuts on Internet. p1967 24 Dec 1993.
- Nunes, G., Jr. and Freeman, M. R.: Picosecond resolution in scanning tunneling microscopy. p1029 12 Nov 1993.
- Núñez-Regueiro, M.; Tholence, J.-L.; Antipov, E. V.; Capponi, J.-J.; Marezio, M.: Pressure-induced enhancement of T_c above 150 K in Hg-1223. p97 1 Oct 1993.
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- Ohmoto, Hiroshi; Kakegawa, Takeshi; Lowe, Donald R.: 3.4-billion-year-old biogenic pyrites from Barberton, South Africa: sulfur isotope evidence. p555 22 Oct 1993.
- Ohsumi, Keita; Katagiri, Chiaki; Kishimoto, Takeo: Chromosome condensation in *Xenopus* mitotic extracts without histone H1. p2033 24 Dec 1993.
- Ohtsubo, Motoaki. See Guadagno, Thomas M.
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- Olden, Kenneth (minorities in science '93): Bringing science back to the neighborhood. p1116 12 Nov 1993.
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- Ota, Irene M. and Varshavsky, Alexander: A yeast protein similar to bacterial two-component regulators. p566 22 Oct 1993.
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- Pačes, Václav and Vilklický, Vladimír: Peer review in the Czech republic (letter). p1193 19 Nov 1993.
- Padovan, Elisabetta; Casorati, Giulia; Dellabona, Paolo; Meyer, Stefan; Brockhaus, Manfred; Lanzavecchia, Antonio: Expression of two T cell receptor α chains: dual receptor T cells. p422 15 Oct 1993.
- Palkovits, Milklós. See Mezey, Eva.
- Palm, E. C. See McClelland, J. J.
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- Pan, Chi-Jiunn. See Lei, Ke-Jian.
- Pan, Ming. See Lobo, Raul F.
- Panula, Pertti and Wasowicz, Krzysztof: Actions of antiulcer drugs (technical comment). p1454 26 Nov 1993.
- Parge, Hans E.; Arvai, Andrew S.; Murtari, Darren J.; Reed, Steven I.; Tainer, John A.: Human CksHs2 atomic structure: a role for its hexameric assembly in cell cycle control. p387 15 Oct 1993.
- Park, Jeffrey: Use of NSFNET (letter). p317 15 Oct 1993.
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- Piatk, Michael, Jr.; Shaw, George M.; Yang, Limei C.; Kappes, John C.; Saag, Michael S.; Lifson, Jeffrey D.: Effect of platelet-associated virus on assays of HIV-1 in plasma. p1585 3 Dec 1993.
- Pinkerton, Steven D. and Abramson, Paul R.: A magic bullet against AIDS? (letter). p162 8 Oct 1993.
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- Potashkin, Judith; Naik, Karuna; Wentz-Hunter, Kelly: U2AF homolog required for splicing in vivo. p573 22 Oct 1993.
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1993. Hominid sites ravaged by *Homo sapiens*. p34 1 Oct 1993. How rich countries stack up environmentally. p1815 17 Dec 1993. How to make a fossil. p1207 19 Nov 1993. Hubble goof gets priced at \$25 million. p336 15 Oct 1993. Ig Nobels: not the real McCoys. p509 22 Oct 1993. "Intelligent design" at San Francisco State. p1976 24 Dec 1993. Irreproducible address. p1977 24 Dec 1993. Japan prize goes to American and Swede. p1977 24 Dec 1993. Japan's women in science. p1976 24 Dec 1993. Keeping score on animal activism. p34 1 Oct 1993. Keeping up with PETA. p1510 3 Dec 1993. Language may give Chinese an edge in math. p651 29 Oct 1993. Lasker Awards resume. p35 1 Oct 1993. Lighting a path for lightning. p1643 10 Dec 1993. Long-distance math learning. p1977 24 Dec 1993. The making of a (female scientist). p1815 17 Dec 1993. A map for mankind. p35 1 Oct 1993. Mother-infant HIV trial on track. p182 8 Oct 1993. Nature supplies lens for astronomers. p986 12 Nov 1993. New hunt on for bipolar genes. p651 29 Oct 1993. New start for behavioral researchers. p1814 17 Dec 1993. NIGMS to go out on a limb. p34 1 Oct 1993. No excess cancer seen from bomb tests. p1976 24 Dec 1993. Not for members only. p1814 17 Dec 1993. NSF joins the crowd in new program. p183 8 Oct 1993. NSF report calls for more computing power. p650 29 Oct 1993. Once again Parkfield quake is a no-show. p1369 26 Nov 1993. Organic farming with cocaine. p651 29 Oct 1993. Pan-European drug, environment agencies. p986 12 Nov 1993. Pendulum theory of quake protection. p1510 3 Dec 1993. Portrait of a woman engineer. p840 5 Nov 1993. Public TV to air series on women scientists. p336 15 Oct 1993. Pumping up science awareness in Europe. p183 8 Oct 1993. Radon regs shot down for now. p337 15 Oct 1993. Reproductive stance staked out for Canada. p1815 17 Dec 1993. Research funding crosses the border. p840 5 Nov 1993. Research reactors dodge a bullet. p34 1 Oct 1993. *Rolling Stone* rolls over for Koprowski. p1369 26 Nov 1993. Samples: Not for members only. p1814 17 Dec 1993. Scrambling for dino eggs. p1369 26 Nov 1993. Second-hand leukemia. p987 12 Nov 1993. Silly science goes online. p1643 10 Dec 1993. Sleeping the sleep of our ancestors. p1207 19 Nov 1993. Smart materials get a production boost. p509 22 Oct 1993. Snoring machine could help poor sleepers. p509 22 Oct 1993. Song of the young paleontologist. p1511 3 Dec 1993. Sonograms take on a new dimension. p1207 19 Nov 1993. Study sections not kosher? p1814 17 Dec 1993. Trial balloon or loose cannon? p1814 17 Dec 1993. UC tables tech transfer companies. p182 8 Oct 1993. UFO sighters not batty, study finds. p987 12 Nov 1993. Utah puts fusion out in the cold. p1643 10 Dec 1993. Veggie cure for plant fungus. p337 15 Oct 1993. Women in biomedicine: still slugging it out. p650 29 Oct 1993.
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- Ravichandran, Kodimangalam S.; Lee, Kyungah Kay; Songyang, Zhoud; Cantley, Lewis C.; Burn, Paul; Burakoff, Steven J.: Interaction of Shc with the ζ chain of the T cell receptor upon T cell activation. p902 5 Nov 1993.
- Raynaud, D.; Barnola, J. M.; Chapellaz, J.; Delmas, R. J.; Lorius, C.; Jouzel, J.; Schwander, J.: Gravitational separation in polar firm (technical comment). p764 29 Oct 1993.
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- Rizzuto, Rosario; Brini, Marisa; Murgia, Marta; Pozzan, Tullio: Microdomains with high Ca^{2+} close to IP_3 -sensitive channels that are sensed by neighboring mitochondria. p744 29 Oct 1993.
- Roberts, Christopher J. See Foss, Henriette M.
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- Rosenberg, A. A.; Fogarty, M. J.; Sissenwine, M. P.; Beddington, J. R.; Shepherd, J. G.: Achieving sustainable use of renewable resources (policy forum). p828 5 Nov 1993.
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- Ross, Wilma; Gosink, Khoosheh K.; Salomon, Julia; Igarashi, Kazuhiko; Zou, Chao; Ishihama, Akira; Severinov, Konstantin; Gourse, Richard L.: A third recognition element in bacterial promoters: DNA binding by the α subunit of RNA polymerase. p1407 26 Nov 1993.
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- ; Keegan, Achshah D.; Harada, Nobuyuki; Nakamura, Yoshiaki; Noguchi, Masayuki; Le-land, Pamela; Friedman, Michael C.; Miyajima, Atsushi; Puri, Raj K.; Paul, William E.; Leonard, Warren J.: Interleukin-2 receptor γ chain: a functional component of the interleukin-4 receptor. p1880 17 Dec 1993.

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- Schafmeister, Christian E.; Miercke, Larry J. W.; Stroud, Robert M.: Structure at 2.5 Å of a designed peptide that maintains solubility of membrane proteins. p734 29 Oct 1993.
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- Schmitt, J. H. M. M. and Kürster, M.: A spatially resolved x-ray image of a star like the sun. p215 8 Oct 1993.
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- Schwartz, David C.; Li, Xiaojun; Hernandez, Luis I.; Ramnarain, Satyadarshan P.; Huff, Edward J.; Wang, Yu-Ker: Ordered restriction maps of *Saccharomyces cerevisiae* chromosomes constructed by optical mapping. p110 1 Oct 1993.
- Schwinger, Julian: Quantum mechanics: not mysterious (letter). p826 5 Nov 1993.
- ScienceScope: Another blow for ORI. p643 29 Oct 1993. Burning questions threaten NIH research. p1635 10 Dec 1993. Can logging save old-growth forests? p19 1 Oct 1993. Clinton to unveil greenhouse gas plan. p323 15 Oct 1993. Congress gunning for science cuts. p979 12 Nov 1993. Congress seeks answer to \$20 million question. p167 8 Oct 1993. Congress seeks files on gp160 vaccine. p495 22 Oct 1993. Congress to tackle Clinton wetlands plan. p495 22 Oct 1993. Congress warns to varmus. p979 12 Nov 1993. Dante's second infernal descent. p495 22 Oct 1993. EMBL seeks to spread its wings . . . as Europe's research budget constricts. p1807 17 Dec 1993. Endgame for MicroGeneSys vaccine trial? p1635 10 Dec 1993. EPA lead study under diverse attack. p323 15 Oct 1993. EPA readies new science strategy. p167 8 Oct 1993. Fiber glass, NTP on trial next week. p19 1 Oct 1993. GATT attack races deadline. p1503 3 Dec 1993. Georgetown does a neuroscience shuffle. p1363 26 Nov 1993. Getting organized for better science. p1963 24 Dec 1993. Governor to extinguish tobacco research? p1363 26 Nov 1993. Green technologies finally coming of age. p1963 24 Dec 1993. The hazards of frequent flying. p979 12 Nov 1993. Health plan targets prevention. p831 5 Nov 1993. Is there life after SSC? Oui. p1199 19 Nov 1993. Lawsuit sends warning to E-mail gossips. p1503 3 Dec 1993. Liotta to return to lab in NIH shakeup. p495 22 Oct 1993. NASA-funded scientists face grim year. p1963 24 Dec 1993. NASA mission to Saturn in jeopardy. p1807 17 Dec 1993. NAS ponders windfall for FSU scientists. p1503 3 Dec 1993. A new cut of pork, more or less. p167 8 Oct 1993. NIH biodiversity grants could benefit shamans. p1635 10 Dec 1993. NIH shakeup continues. p643 29 Oct 1993. Ninth Circuit denies 'scholar's privilege.' p19 1 Oct 1993. NSF bristles at Antarctic plan. p643 29 Oct 1993. Paleontologists restore fossil bill debate. p323 15 Oct 1993. Patriot missile to get physicists' scrutiny. p1503 3 Dec 1993. Pentagon probing Carnegie Mellon. p643 29 Oct 1993. Pharmaceutical scientists seek a voice. p1199 19 Nov 1993. PHS hit hard by federal streamlining. p1807 17 Dec 1993. Russians turn from SSC to CERN. p831 5 Nov 1993. Stanford wins bid to build B factory. p167 8 Oct 1993. Stewart and Feder report for desk duty. p19 1 Oct 1993. Strong medicine urged for academic ills. p1807 17 Dec 1993. Turning out-of-Africa inside out. p1963 24 Dec 1993. U.K. halts cDNA patenting . . . p831 5 Nov 1993. U.K. research councils get an everyman chief. p1363 26 Nov 1993. UnWellcome news for Irish scientists. p1199 19 Nov 1993. Varmus lingers as Lane takes office. p323 15 Oct 1993. While CDC drops Indian tissue claim. p831 5 Nov 1993. White House to take crack at reinventing science. p1363 26 Nov 1993. Will Goldin wave bye-bye to Pluto flyby? p979 12 Nov 1993. Will U.K. national labs go up for auction? p1635 10 Dec 1993. Yale engineers spared the guillotine. p1199 19 Nov 1993.
- Scott, David R.; Hersey, Steve J.; Prinz, Christian; Sachs, George: Actions of antiulcer drugs (technical comment). p1453 26 Nov 1993.
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- Sekanina, Zdenek: Disintegration phenomena expected during collision of comet Shoemaker-Levy 9 with Jupiter. p382 15 Oct 1993.
- Self, Stephen. See Rampino, Michael R.
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- ; Fritz, Deborah Y.; Singer, Michael J.: Dense nonsymmetrical DNA methylation resulting from repeat-induced point mutation in *Neurospora*. p1724 10 Dec 1993.
- Selvin, Paul (news): Harrison case: no calm after storm. p324 15 Oct 1993.
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- Seul, M. and Murray, C. A.: Scale transformation of magnetic "bubble" arrays: coupling of topological disorder and polydispersity. p558 22 Oct 1993.
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- Sevov, Slavi C. and Corbett, John D.: Carbon-free fullerenes: condensed and stuffed anionic examples in indium systems. p880 5 Nov 1993.
- Seward, Fred: review of *Isolated Pulsars*, edited by K. A. Van Riper, R. Epstein, and C. Ho. p444 15 Oct 1993.
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- Shah, S. I. See Blanchet, Graciela B.
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- Shaw, A.; McRee, D. E.; Vacquier, V. D.; Stout, C. D.: The crystal structure of lysin, a fertilization protein. p1864 17 Dec 1993.
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- Shortle, David and Clarke, Neil: Alpha helix propensity of amino acids (technical comment). p917 5 Nov 1993.
- Shpaer, Eugene G. See Delwart, Eric L.
- Shrivastava, A.; Saleque, S.; Kalpana, G. V.; Artandi, S.; Goff, S. P.; Calame, K.: Inhibition of transcriptional regulator Yin-Yang-1 by association with c-Myc. p1889 17 Dec 1993.
- Shubik, Philippe: Carcinogenicity certification (letter). p638 29 Oct 1993.
- Sidbury, James B. See Lei, Ke-Jian.
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- Silva, Alcino J.; Paylor, Richard; Wehner, Jeanne M.; Tomegawa, Susumu: Spatial learning in mutant mice (technical comment). p761 29 Oct 1993.
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- Sims, Calvin (minorities in science '93): Last hired, first fired? minorities retreat in defense. p1125 12 Nov 1993.
- Singer, Mark S. See Baumhueter, Susanne.
- Singer, Michael J. See Selker, Eric U.
- Sirum-Connolly, Karen and Mason, Thomas L.: Functional requirement of a site-specific ribose methylation in ribosomal RNA. p1886 17 Dec 1993.
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- Smirnova, Tania; Stinnakre, Jacques; Mallet, Jacques: Characterization of a presynaptic glutamate receptor. p430 15 Oct 1993.
- Smith, Lloyd M.: The future of DNA sequencing (perspective). p530 22 Oct 1993.
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- Spencer, David M.; Wandless, Thomas J.; Schreiber, Stuart L.; Crabtree, Gerald R.: Controlling signal transduction with synthetic ligands. p1011 12 Nov 1993.
- Spencer, Peter S.; Kisby, Glen E.; Ross, Stephen M.; Roy, Dwijendra N.; Hugon, Jacques; Ludolph, Albert C.; Nunn, Peter B.: Guam ALS-PDC: possible causes (letter). p825 5 Nov 1993.
- Spinke, J. See Müller, W.
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- Steriade, Mircea; McCormick, David A.; Sejnowski, Terrence J.: Thalamocortical oscillations in the sleeping and aroused brain. p679 29 Oct 1993.
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- Stout, C. D. See Shaw, A.
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- Stutzki, J. See Tielens, A. G. G. M.
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- Sullenger, Bruce A. and Cech, Thomas R.: Tethering ribozymes to a retroviral packaging signal for destruction of viral RNA. p1561 3 Dec 1993.
- Sullivan, C. W.; Arrigo, K. R.; McLain, C. R.; Comiso, J. C.; Fireston, J.: Distributions of phytoplankton blooms in the Southern Ocean. p1832 17 Dec 1993.
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- T**
- Tainer, John A. See Parge, Hans E.
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- Tal, Nathan. See Fischer, Dina G.
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- Thiébaud, S. See Mallah, T.
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- Tielens, A. G. G. M.; Meixner, M. M.; van der Werf, P. P.; Bregman, J.; Tauber, J. A.; Stutzki, J.; Rank, D.: Anatomy of the photodissociation region in the Orion Bar. p86 1 Oct 1993.
- Tien, Chang-Lin: Building United States-Asia scientific exchange (science in Asia policy forum). p367 15 Oct 1993.
- Tobin, John E.; Goldberg, Rebecca; Hopkins, D. Douglas: Biodiversity entreaty (letter). p13 1 Oct 1993.
- Tolstoy, Maya; Harding, Alistair J.; Orcutt, John A.: Crustal thickness on the Mid-Atlantic Ridge: bull's-eye gravity anomalies and focused accretion. p726 29 Oct 1993.
- Toman, Carol. See Kay, Mark A.
- Tomegawa, Susumu. See Silva, Alcino J.
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- Triest, M. See Clays, K.
- Tsang, Monica. See Noguchi, Masayuki.
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- Tsuchihashi, Zenta; Khosla, Mala; Herschlag, Daniel: Protein enhancement of hammerhead ribozyme catalysis. p99 1 Oct 1993.
- Turner, Michael S.: Why is the temperature of the universe 2.726 kelvin? p861 5 Nov 1993.
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- Tzianabos, Arthur O.; Onderdonk, Andrew B.; Rosner, Bernard; Cisneros, Ronald L.; Kasper, Dennis L.: Structural features of polysaccharides that induce intra-abdominal abscesses. p416 15 Oct 1993.
- U-W**
- Uhlenbeck, Olke, C. See Willis, Michael C.
- Uyeda, Taro Q. P. and Spudich, James A.: A functional recombinant myosin II lacking a regulatory light chain-binding site. p1867 17 Dec 1993.
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- Valigra, Lori (science in Asia): Home-grown talent. p357 15 Oct 1993. National project aimed at making it the leading tiger. p355 15 Oct 1993.
- van den Heuvel, Sander and Harlow, Ed: Distinct roles for cyclin-dependent kinases in cell cycle control. p2050 24 Dec 1993.
- van der Werf, P. P. See Tielens, A. G. G. M.
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- Vaney, David I. See Robinson, Stephen R.
- Vanzolini, P. E.: review of *Biology of Whipfall Lizards*, edited by John W. Wright and Laurie J. Vitt. p1282 19 Nov 1993.
- Vaporciyan, Ara A.; DeLisser, Horace M.; Yan, Horng-Chin; Mendiguren, Ignacio I.; Thom, Stephen R.; Jones, Michael L.; Ward, Peter A.; Albelda, Steven M.: Involvement of platelet-endothelial cell adhesion molecule-1 in neutrophil recruitment in vivo. p1580 3 Dec 1993.
- Vargo, Terrence G.; Gardella, Joseph A., Jr.; Calvert, Jeffrey M.; Chen, Mu-San: Adhesive electroless metallization of fluoropolymeric substrates. p1711 10 Dec 1993.
- Varshavsky, Alexander. See Ota, Irene M.
- Vaupel, Barbara A. See Kanagawa, Osami.
- Veillet, P. See Mallah, T.
- Venable, Richard M.; Zhang, Yuhong; Hardy, Barry J.; Pastor, Richard W.: Molecular dynamics simulations of a lipid bilayer and of hexadecane: an investigation of membrane fluidity. p223 8 Oct 1993.
- Verbiest, T. See Clays, K.
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- von Hippel, Peter H. See Erie, Dorothy A.
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- von Rüden, Rudolf and Neher, Erwin: A calcium-dependent early step in the release of catecholamines from adrenal chromaffin cells. p1061 12 Nov 1993.
- Voss, David F. and Koshland, Daniel E., Jr.: The lessons of the Super Collider (editorial). p1799 17 Dec 1993.
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- Tax protein stimulation of DNA binding of bZIP proteins by enhancing dimerization. p395 15 Oct 1993.
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- Warren, Warren S.: Chemistry with photons (perspective). p1008 12 Nov 1993.
- _____; Richter, Wolfgang; Andreotti, Amy Hamilton; Farmer, Bennett T., II: Generation of impossible cross-peaks between bulk water and biomolecules in solution NMR. p2005 24 Dec 1993.
- Washizu, Masao. See Kabata, Hiroyuki.
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- Wilheit, Thomas T.: review of *Atmospheric Remote Sensing by Microwave Radiometry*, edited by Michael A. Janssen. p773 29 Oct 1993.
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- Willis, Michael C.; Hicke, Brian J.; Uhlenbeck, Olke, C.; Cech, Thomas R.; Koch, Tad H.: Photocrosslinking of 5-Iodouracil-substituted RNA and DNA to proteins. p1255 19 Nov 1993.
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- Wright, Peter E. See Jennings, Patricia A.
- Wu, Jie; Dent, Paul; Jelinek, Thomas; Wolfman, Alan; Weber, Michael J.; Sturgill, Thomas W.: Inhibition of the EGF-activated MAP kinase signaling pathway by adenosine 3',5'-monophosphate. p1065 12 Nov 1993.
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- Yan, Xiao-Hai; Ho, Chung-Ru; Zheng, Quanan; Klemas, Vic: Using satellite infrared data in studies of variabilities of the western Pacific warm pool (technical comment). p441 15 Oct 1993.
- Yan, Y.; Winograd, E.; Viel, A.; Cronin, T.; Harrison, S. C.; Branton, D.: Crystal structure of the repetitive segments of spectrin. p2027 24 Dec 1993.
- Yancopolous, George D. See Lamb, Teresa M.
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- Yen, T. S. Benedict: The chlorine controversy (letter). p16 1 Oct 1993.
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- Zerr, A. and Boehler, R.: Melting of (Mg,Fe)SiO₃-perovskite to 625 kilobars: indication of a high melting temperature in the lower mantle. p553 22 Oct 1993.
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- Zheng, Quanan. See Yan, Xiao-Hai.
- Zheng, Zhipeng: The present and future of China's particle physics research (science in Asia perspective). p368 15 Oct 1993.
- Ziegler, Steven F. See Noguchi, Masayuki.
- Zinkernagel, Rolf M. See Bachmann, Martin F. See also Kündig, Thomas.
- Zioncheck, Thomas. See Ebner, Reinhard.
- Zones, Stacey I. See Lobo, Raul F.
- Zou, Chao. See Ross, Wilma.
- Zou, Yong-Rui; Gu, Hua; Rajewsky, Klaus: Generation of a mouse strain that produces immunoglobulin κ chains with human constant regions. p1271 19 Nov 1993.