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- Harper, Jeffrey F.; Sussman, Michael R.; Schaller, G. Eric; Putnam-Evans, Cindy; Charbonneau, Harry; Harmon, Alice C.: A calcium-dependent protein kinase with a regulatory domain similar to calmodulin. p951 17 May 1991.
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- Hatakeyama, Masanori; Kono, Takeshi; Kobayashi, Naoki; Kawahara, Atsuo; Levin, Steven D.; Perlmutter, Roger M.; Taniguchi, Tadatsugu: Interaction of the IL-2 receptor with the src-family kinase p56^{lck}: identification of novel intermolecular association. p1523 14 June 1991.
- Hatfield, Craig Bond: Math problems (letter). p763 10 May 1991.
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- _____; Campbell, Donald B.; Elachi, Charles; Guest John E.; McKenzie, Dan P.; Saunders, R. Stephen; Schaber, Gerald G.; Schubert, Gerald: Venus volcanism: initial analysis from Magellan data. p276 12 Apr 1991.
- Hebard, A. F. See Wertheim, G. K.
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- Hoffman, Michelle (news): Conventional math tests get low marks. p641 3 May 1991. How parents make their mark on genes. p1250 31 May 1991. A new star is born. p215 12 Apr 1991. A new role for gases: neurotransmissions. p1788 28 June 1991. New vector delivers genes to lung cells. p374 19 Apr 1991. An RNA first: it's part of the gene-copying machinery. p506 26 Apr 1991. Unraveling the genetics of fragile X syndrome. p1070 24 May 1991.
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- Holczer, Károly; Klein, Olivér; Huang, Shiou-Mei; Kaner, Richard B.; Fu, Ke-Jian; Whetten, Robert L.; Diederich, François: Alkali-fulleride superconductors: synthesis, composition, and diamagnetic shielding. p1154 24 May 1991.
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- Hostomsky, Zdenek. See Davies, Jay F., II.
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- Inouye, Sumiko; Sunshine, Melvin G.; Six, Erich W.; Inouye, Masayori: Retronphage $\phi R73$: an *E. coli* phage that contains a retroelement and integrates into a tRNA gene. p969 17 May 1991.
- Inside AAAS: AAAS council acts on population growth, RU 486, and more at 1991 meeting. p586 26 Apr 1991. In brief. p1185 24 May 1991. The SWAT team wore suits: AAAS deploys quick response congressional seminars. p1184 24 May 1991. Uncalculated art. p1185 24 May 1991. Women, minorities, and science. p1185 24 May 1991.
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- June 1991.
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- Justement, Louis B.; Campbell, Kerry S.; Chien, Nadine C.; Cambier, John C.: Regulation of B cell antigen receptor signal transduction and phosphorylation by CD45. p1839 28 June 1991.
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- _____; Hempstead, Barbara L.; Martin-Zanca, Dionisio; Chao, Moses V.; Parada, Luis F.: The *trk* proto-oncogene product: a signal transducing receptor for nerve growth factor. p554 26 Apr 1991.
- Kara, Catherine J. and Glimcher, Laurie H.: In vivo footprinting of MHC class II genes: bare promoters in the bare lymphocyte syndrome. p709 3 May 1991.
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- Keating, Mark; Atkinson, Donald; Dunn, Christine; Timothy, Katherine; Vincent, G. Michael; Leppert, Mark: Linkage of a cardiac arrhythmia, the long QT syndrome, and the Harvey *ras-1* gene. p704 3 May 1991.
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- Kerr, Richard A. (news): Big squeeze points to a big quake. p28 5 Apr 1991. The buildup of a greenhouse gas slows. p1496 14 June 1991. A core-mantle link? p1617 21 June 1991. Deep rocks stir the mantle pot. p783 10 May 1991. Did a volcano help kill off the dinosaurs? p1496 14 June 1991. Do anticracks trigger deep earthquakes? p510 26 Apr 1991. Do plumes stir Earth's entire mantle? p1068 24 May 1991. A fruitless search for great Midwest quakes. p1497 14 June 1991. Galileo hits a snag. p638 3 May 1991. Huge eruption may cool the globe. p1780 28 June 1991. A lesson learned, again, at Valdez. p371 19 Apr 1991. Magellan: no Venusanian plate tectonics seen. p213 12 Apr 1991. New hints of deep slabs. p1069 24 May 1991. Old bones aren't so bad after all. p32 5 Apr 1991. Ozone destruction worsens. p204 12 Apr 1991. The stately cycles of ancient climate. p1254 31 May 1991. Steps toward a cooler greenhouse. p1608 21 June 1991. Taphonomic down and dirty. p33 5 Apr 1991. Yucatan killer impact gaining support. p377 19 Apr 1991.
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- Kirby, Stephen H.; Durham, William B.; Stern, Laura A.: Mantle phase changes and deep-earthquake faulting in subducting lithosphere. p216 12 Apr 1991.
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- Koch, C. Anne; Anderson, Deborah; Moran, Michael F.; Ellis, Christine; Pawson, Tony: SH2 and SH3 domains: elements that control interactions of cytoplasmic signaling proteins. p668 3 May 1991.
- Kochan, Jarema P. See Scallon, Bernard J.
- Koller, Kerry J.; Lowe, David G.; Bennett, Gregory L.; Minamino, Naoto; Kangawa, Kenji; Matsuo, Hisayuki; Goeddel, David V.: Selective activation of the B natriuretic peptide receptor by C-type natriuretic peptide (CNP). p120 5 Apr 1991.
- Kondo, H. See Tomie, T.
- Kondo, Kazumi. See Yamamura, Yoshitaka.
- König, Peter. See Engel, Andreas K.
- Kono, Takeshi. See Hatakeyama, Masanori.
- Konopka, Krystyna: The Trabi: not a problem (letter). p1601 21 June 1991.
- Kortan, A. R. See Wertheim, G. K.
- Koshland, Daniel E., Jr. (editorials): The best of times, the worst of times. p1229 31 May 1991. Careers in science. p1045 24 May 1991. Frontiers in biotechnology. p1593 21 June 1991. Science and peace. p189 12 Apr 1991. Stress for success. p1353 7 June 1991. Waste not, want some. p485 26 Apr 1991. (letters): Math problems. p763 10 May 1991. Postal service here and abroad. p358 19 Apr 1991.
- Kowalski, Daniel V. See Saecker, Mary E.
- Kozlowski, R. W. H. See Sprague, A. L.
- Krauthamer, Victor. See Dulcey, Charles S.
- Krebs, Charles J.: review of *Elton's Ecologists*, by Peter Crowcroft. p1010 17 May 1991.
- Kreiter, Andreas K. See Engel, Andreas K.
- Kremer, E. J. See Yu, S.
- _____; Pritchard, M.; Lynch, M.; Yu, S.; Holman, K.; Baker, E.; Warren, S. T.; Schlessinger, D.; Sutherland, G. R.; Richards, R. I.: Mapping of DNA instability at the fragile X to a trinucleotide repeat sequence of p(CCG)_n. p1711 21 June 1991.
- Kretz, C. See Oberlé, I.
- Kriegstein, Arnold R. See LoTurco, Joseph J.
- Krishnaswamy, S. See Ruff, M.
- Krufka, Alison. See Rapraeger, Alan C.
- Krupnick, Alan J. and Portney, Paul R.: Controlling urban air pollution: a benefit-cost assessment. p522 26 Apr 1991.
- Kuijper, Joseph L. See Houamed, Khaled M.
- Kumar, Sanjai. See Khusmith, Srisin.
- Kunzig, Robert: Can Earth's internal heat drive ocean circulation? p1365 7 June 1991. (news) Can Earth's internal heat drive ocean circulation? p1620 21 June 1991.
- Kwok, Wai-Kwong. See Williams, Jack M.
- Lanford, William A.: review of *The Physics of Ultracold Neutrons*, by V. K. Ignatovich. p1326 31 May 1991.
- Langenberg, Donald N.: Science, slogans, and civic duty. p361 19 Apr 1991.
- Langreth, Robert (news): Engineering dogma gives way to chaos. p776 10 May 1991. Flying high with chaos control. p777 10 May 1991. Whom do yew trust? p1780 28 June 1991. A Venus-year of mapping. p1372 7 June 1991.
- Lanzavecchia, Antonio. See Panina-Bordignon, Paola.
- Lapidot, Tsvec. See Lubin, Ido.
- Larson, Allan: review of *Causes of Evolution*, edited by Robert M. Ross and Warren D. Allmon. p1186 24 May 1991.
- Lavorgna, Giovanni; Ueda, Hitoshi; Clos, Joachim; Wu, Carl: FTZ-F1, a steroid hormone receptor-like protein implicated in the activation of *fushi tarazu*. p848 10 May 1991.
- Leccese, Arthur P.: Drug abuse policy (letter). p12 5 Apr 1991.
- Lechleiter, James; Girard, Steven; Peralta, Ernest; Clapham, David: Spiral calcium wave propagation and annihilation in *Xenopus laevis* oocytes. p123 5 Apr 1991.
- Lecocq, Jean-Pierre. See Rosenfeld, Melissa A.
- Lederman, Leon: Science funding (letter). p493 26 Apr 1991.
- Leiserowitz, L. See Leveiller, F.
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- Lepper, Mark R.: review of *Interpersonal Perception*, by Edward E. Jones. p1020 17 May 1991.
- Leppert, Mark. See Keating, Mark.
- Lerner, Richard A. See Wirsching, Peter.
- _____; Benkovic, Stephen J.; Schultz, Peter G.: At the crossroads of chemistry and immunology: catalytic antibodies. p659 3 May 1991.
- Lervin, Norman L. See Shen, Ling.
- Leung, J. O. See Weber, J. M.
- Leveiller, F.; Jacquemain, D.; Lahav, M.; Leiserowitz, L.; Deutsch, M.; Kjaer, K.; Als-Nielsen, J.: Crystallinity of the double layer of cadmium arachidate films at the water surface. p1532 14 June 1991.
- Levin, Steven D. See Hatakeyama, Masanori.
- Levine, Michael W.: Math problems (letter). p763 10 May 1991.
- Levite, Mia. See Lubin, Ido.
- Lewis, Darrell V. See Mott, David D.
- Lewis, Timothy A. See Hawkins, Joel M.
- Li, Shirley. See Scallon, Bernard J.
- Li, Y. Z.; Patrin, J. C.; Chander, M.; Weaver, J. H.; Chibante, L. P. F.; Smalley, R. E.: Ordered overlayers of C₆₀ on GaAs(110) studied with scanning tunneling microscopy. p547 26 Apr 1991.
- Libri, Domenico; Piseri, Anna; Fiszman, Marc Y.: Tissue-specific splicing in vivo of the β -tropomyosin gene: dependence on an RNA secondary structure. p1842 28 June 1991.
- Licht, Paul. See Frank, Laurence G. See also Sinervo, Barry.
- Lidstrom, Mary E. See McIntire, William S.
- Limaye, S. S.; Suomi, V. E.; Velden, C.; Tripoli, G.: Satellite observations of smoke from oil fires in Kuwait. p1536 14 June 1991.
- Lin, Shin. See Davis, Samuel.
- Lindahl, Lasse and Zengel, Janice M.: review of *The Ribosome*, edited by Walter E. Hill, Peter B. Moore, Albert Dahlberg, David Schlessinger, Roger A. Garrett, and Jonathan R. Warner. p1566 14 June 1991.
- Lisowski, M. See Savage, J. C.
- Little, Barbara J.: review of *New York City Neighborhoods*, by Nan A. Rothschild. p1012 17 May 1991.
- Liu, M.; Yuen, D. A.; Zhao, W.; Honda, S.: Development of diapiric structures in the upper mantle due to phase transitions. p1836 28 June 1991.
- Liu, Shih-Chun; Derick, Laura H.; Zhai, Sen; Palek, Jiri: Uncoupling of the spectrin-based skeleton from the lipid bilayer in sickled red cells. p574 26 Apr 1991.
- Livingston, Katherine: review of *The Charm of Physics*, by Sheldon L. Glashow, *The Road from Los Alamos*, by Hans A. Bethe, and *Citizen Scientist*, by Frank von Hippel. p454 19 Apr 1991. review of *Evolutionary Innovations*, edited by Matthew H. Nitecki. p729 3 May 1991. review of *Headline News, Science Views*, edited by David Jarmul. p455 19 Apr 1991. review of *Insect Defenses*, edited by David L. Evans and Justin O. Schmidt. p730 3 May 1991. review of *Optics, Physiology and Vision*, edited by Suzanne P. McKee and Ken

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- Lahav, M. See Leveiller, F.
- Laibinis, Paul E. See Hickman, James J.
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Nakayama. p729 3 May 1991. review of *Rainforests*, by James L. Castner, and *Neotropical Rainforest Mammals*, by Louise H. Emmons. p322 12 Apr 1991.

Ljubičić, A. and Logan, B. A.: Where Zagreb is (letter). p1475 14 June 1991.

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Loehle, Craig: Science funding (letter). p490 26 Apr 1991.

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Losos, Jonathan B.: review of *Phylogeny, Ecology, and Behavior*, by Daniel R. Brooks and Deborah A. McLennan. p1002 17 May 1991.

LoTurco, Joseph J. and Kriegstein, Arnold R.: Clusters of coupled neuroblasts in embryonic neocortex. p563 26 Apr 1991.

Lovell, James E.: *Toujours Gaia* (letter). p1472 14 June 1991.

Lovins, Amory B.: Energy savings (letter). p763 10 May 1991.

Lowe, David G. See Koller, Kerry J.

Lowenstern, Jacob B.; Mahood, Gail A.; Rivers, Mark L.; Sutton, Stephen R.: Evidence for extreme partitioning of copper into a magmatic vapor phase. p1405 7 June 1991.

Lu, Michael L. See Davis, Samuel.

Lubin, Ido; Faktorowich, Yifat; Lapidot, Tsvee; Gan, Yehudit; Eshhar, Zelig; Gazit, Ephraim; Levite, Mia; Reisner, Yair: Engraftment and development of human T and B cells in mice after bone marrow transplantation. p427 19 Apr 1991.

Lucey, P. G. See Bell, J. F., III.

Lukas, Scott E.: Drug abuse policy (letter). p11 5 Apr 1991.

Lupas, Andrei; Van Dyke, Marc; Stock, Jeff: Predicting coiled coils from protein sequences. p1162 24 May 1991.

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Mac Lane, Saunders: Sununu diplomacy? (letter). p1475 14 June 1991.

Madsen, Eugene L.; Sinclair, James L.; Ghiorse, William C.: In situ biodegradation: microbiological patterns in a contaminated aquifer. p825 10 May 1991.

Maguire, Hugh F.; Hoefler, James P.; Siddiqui, Aleem: HBV X protein alters the DNA binding specificity of CREB and ATF-2 by protein-protein interactions. p842 10 May 1991.

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Mahoney, Michael S.: review of *Standing on the Shoulders of Giants*, edited by Norman W. Thrower. p990 17 May 1991.

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Makowski, Lee. See Nambudripad, Raman.

Malcom, Michael E. See Orton, Glenn S.

Malick, Amy. See Martuza, Robert L.

Malin, Michael C. See Phillips, Roger J.

Malinow, Roberto: Transmission between pairs of hippocampal slice neurons: quantal levels, oscillations, and LTP. p722 3 May 1991.

Maliszewski, Charles R.: CD14 and immune response to lipopolysaccharide (technical comment). p1321 31 May 1991.

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Malone, Thomas F.: Learning from the acid rain program (letter). p1474 14 June 1991.

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Mann, Charles (news): Gaia: myth or mechanism? p380 19 Apr 1991. Lynn Margulis: science's unruly Earth mother. p378 19 Apr 1991.

Manriquez, Juan M.; Yee, Gordon T.; McLean, R. Scott; Epstein, Arthur J.; Miller, Joel S.: A room-temperature molecular/organic-based magnet. p1415 7 June 1991.

Marder, S. R.; Beratan, D. N.; Cheng, L.-T.: Approaches for optimizing the first electronic hyperpolarizability of conjugated organic molecules. p103 5 Apr 1991.

Margoliash, E.: review of *Cytochromes c*, by Geoffrey R.

Moore and Graham W. Pettigrew. p1001 17 May 1991.

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Martuza, Robert L.; Malick, Amy; Markert, James M.; Ruffner, Katherine L.; Coen, Donald M.: Experimental therapy of human glioma by means of a genetically engineered virus mutant. p854 10 May 1991.

Marx, Jean (news): The cell cycle: spinning farther afield. p1490 14 June 1991. How peptide hormones get ready for work. p779 10 May 1991. How the retinoblastoma gene may inhibit cell growth. p1492 14 June 1991. A new tumor suppressor gene? p1067 24 May 1991. Rare heart disease linked to oncogene. p647 3 May 1991. Testing of autoimmune therapy begins. p27 5 Apr 1991.

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Matsuo, Hisayuki. See Koller, Kerry J.

Mattes, Benjamin R. See Anderson, Mark R.

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Maurrasse, Florentin J.-M. R. and Sen, Gautam: Impacts, tsunamis, and the Haitian Cretaceous-Tertiary boundary layer. p1690 21 June 1991.

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McCosker, John E.: review of *Living Fossil*, by Keith Stewart Thomson. p1863 28 June 1991.

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McIntire, William S.; Wemmer, David E.; Chistroserdov, Andrei; Lidstrom, Mary E.: A new cofactor in a prokaryotic enzyme: tryptophan tryptophylquinone as the redox prosthetic group in methylamine dehydrogenase. p817 10 May 1991.

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McKee, Christopher F. and Draine, Bruce T.: Interstellar shock waves. p397 19 Apr 1991.

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Meade, Charles and Jeanloz, Raymond: Deep-focus earthquakes and recycling of water into the earth's mantle. p68 5 Apr 1991.

Meakin, Paul: Models for material failure and deformation. p226 12 Apr 1991.

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Meister, Markus; Wong, Rachel O. L.; Baylor, Denis A.; Shatz, Carla J.: Synchronous bursts of action potentials in ganglion cells of the developing mammalian retina. p939 17 May 1991.

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Melton, D. A.: Pattern formation during animal development. p234 12 Apr 1991.

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Michnick, Stephen W.; Rosen, Michael K.; Wandless, Thomas J.; Karplus, Martin; Schreiber, Stuart L.: Solution structure of FKBP, a rotamase enzyme and receptor for FK506 and rapamycin. p836 10 May 1991.

Mignot, Emmanuel. See Siegel, Jerome M.

Milbrandt, Jeffrey. See Wilson, Thomas E.

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_____ : 1990: annus mirabilis of potassium channels. p1092 24 May 1991.

Miller, Henry I.; Burris, Robert H.; Vidaver, Anne K.: Regulation of biotechnology (letter). p1599 21 June 1991.

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Milner, George R.: review of *The Mississippian Emergence*, edited by Bruce D. Smith. p1187 24 May 1991.

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Moore, John P.; McKeating, Jane A.; Weiss, Robin A.; Clapham, Paul R.; Sattentau, Quentin J.: Receptor-mediated activation of immunodeficiency viruses in viral fusion (technical comment). p1322 31 May 1991.

Morad, Martin. See Sorbera, Lisa Ann.

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Morgan, Windsor A., Jr.; Felgelson, Eric D.; Wang, Hai; Frenklach, Michael: A new mechanism for the formation of meteoritic kerogen-like material. p109 5 Apr 1991.

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Morrill, Terence C.: Citation counting (letter). p1599 21 June 1991.

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_____ : Vaccinia virus: a tool for research and vaccine development. p1662 21 June 1991.

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Nakamura, Shigeki. See Yamamura, Yoshitaka.

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Nambudripad, Raman; Stark, Wilhelm; Opella, Stanley J.; Makowski, Lee: Membrane-mediated assembly of filamentous bacteriophage Pfl coat protein. p1305 31 May 1991.

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- Narayan, J.; Godbole, V. P.; White, C. W.: Laser method for synthesis and processing of continuous diamond films on nondiamond substrates. p416 19 Apr 1991.
- Nathanson, Gilbert M. See Saecker, Mary E.
- Nearing, Bruce D.; Huang, Alice H.; Verrier, Richard L.: Dynamic tracking of cardiac vulnerability by complex demodulation of the T wave. p437 19 Apr 1991.
- Nebreda, Angel R.; Martin-Zanca, Dionisio; Kaplan, David R.; Parada, Luis F.; Santos, Eugenio: Induction by NGF of meiotic maturation of *Xenopus* oocytes expressing the *trk* proto-oncogene product. p558 26 Apr 1991.
- Neitz, Jay. See Neitz, Maureen.
- Neitz, Maureen; Neitz, Jay; Jacobs, Gerald H.: Spectral tuning of pigments underlying red-green color vision. p971 17 May 1991.
- Neuberg, Leland G.: review of *The Invisible Hand*, by Bruno Igrao and Giorgio Israel. p1727 21 June 1991.
- Neugebauer, M.: The quasi-stationary and transient states of the solar wind. p404 19 Apr 1991.
- Newson, Horton E. and Sims, Kenneth W. W.: Core formation during early accretion of the earth. p926 17 May 1991.
- Nganga, D. See Fishman, J.
- Nicholls, Anthony. See Sharp, Kim A.
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- Nienhuis, Robert. See Siegel, Jerome M.
- Norell, Mark: review of *The Dinosauria*, edited by David B. Weishampel, Peter Dodson and Halszka Osmólska. p1437 7 June 1991.
- Norman, Colin (news): Greenhouse policy: a bargain? p204 12 Apr 1991.
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- Nussenzweig, Ruth S. See Hoffman, Stephen L.
- Nussenzweig, Victor. See Hoffman, Stephen L.
- Nye, Mary Jo: review of *La Science pour tous*, edited by Bruno Béguet. p980 17 May 1991.
- O'Connor, Mary Ellen: EPA committee (letter). p764 10 May 1991.
- O'Dowd, Dennis J.; Brew, Christine R.; Christophel, David C.; Norton, Roy A.: Mite-plant associations from the Eocene of southern Australia. p99 5 Apr 1991.
- O'Hara, Patrick J. See Houamed, Khaled M.
- O'Leary, D. M. See Schlaggar, Bradley L.
- O'Malley, Bert W. See Power, Ronan F.
- Oberlé, I.; Rousseau, F.; Heitz, D.; Kretz, C.; Devys, D.; Hanauer, A.; Boué, J.; Bertheas, M. F.; Mandel, J. L.: Instability of a 550-base pair DNA segment and abnormal methylation in fragile X syndrome. p1097 24 May 1991.
- Ofer, David. See Hickman, James J.
- Offenhäusser, Andreas. See Fromherz, Peter.
- Ogawa, Hidenori. See Yamamura, Yoshitaka.
- Olde, Bjorn. See Adams, Mark D.
- Olesko, Kathryn M.: review of *Solomon's House Revisited*, edited by Tore Frängsmyr. p976 17 May 1991.
- Olson, Daniel J.; Christian, Jan L.; Moon, Randall T.: Effect of Wnt-1 and related proteins on gap junctional communication in *Xenopus* embryos. p1173 24 May 1991.
- Olwin, Bradley B. See Rapraeger, Alan C.
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- Onuchic, J. N. See Beratan, D. N.
- Opella, Stanley J. See Nambudripad, Raman. See also Shon, Ki-Joon.
- Orchinik, Miles; Murray, Thomas F.; Moore, Frank L.: A corticosteroid receptor in neuronal membranes. p1848 28 June 1991.
- Orton, Glenn S.; Friedman, A. James; Caldwell, John; Hammel, Heidi B.; Baines, Kevin H.; Bergstralh, Jay T.; Martin, Terry Z.; Malcom, Michael E.; West, Robert A.; Golisch, William F.; Griep, David M.; Kaminski, Charles D.; Tokunaga, Alan T.; Baron, Richard; Shure, Mark: Thermal maps of Jupiter: spatial organization and time dependence of stratospheric temperatures, 1980 to 1990. p537 26 Apr 1991.
- Ostro, S. J.; Campbell, D. B.; Chandler, J. F.; Hine, A. A.; Hudson, R. S.; Rosema, K. D.; Shapiro, I. I.: Asteroid 1986 DA: radar evidence for a metallic composition. p1399 7 June 1991.
- Otonello, Simone. See Young, Lisa S.
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- Pääkkö, Paavo K. See Rosenfeld, Melissa A.
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- Padian, Kevin: review of *Dinosaur Tracks*, by Tony Thulborn, and *Dinosaurs, Spiffires, and Sea Dragons*, by Christopher McGowan. p1006 17 May 1991.
- Palca, Joseph (news): Capping an infected wisdom tooth. p637 3 May 1991. Famous monkeys provide surprising results. p1789 28 June 1991. Finding a new target for AIDS therapy. p31 5 Apr 1991. Gallo concedes contamination (again). p1369 7 June 1991. Healy gets off to a fast start. p1242 31 May 1991. Indirect costs: the gathering storm. p636 3 May 1991. Mental health agency may rejoin NIH. p1484 14 June 1991. Monopoly patents on AZT challenged. p1369 7 June 1991. OMB tries on a new cap. p1058 24 May 1991. Political savvy with connections. p1243 31 May 1991. Proposals to limit indirect costs emerge in Congress. p910 17 May 1991. Richards panel out of the loop? p1616 21 June 1991. The sobering geography of AIDS. p372 19 Apr 1991. The true source of HIV? p771 10 May 1991.
- Palek, Jiri. See Liu, Shih-Chun.
- Panicali, Dennis L. See Shen, Ling.
- Panina-Bordignon, Paola; Corradin, Giampietro; Roosnek, Eddy; Sette, Alessandro; Lanzavecchia, Antonio: Recognition by class II alloreactive T cells of processed determinants from human serum proteins. p1548 14 June 1991.
- Parada, Luis F. See Kaplan, David R. See also Nebreda, Angel R.
- Parisi, Melissa A. and Clayton, David A.: Similarity of human mitochondrial transcription factor 1 to high mobility group proteins. p965 17 May 1991.
- Parsons, Barry. See Solomon, Sean C.
- Partridge, Linda: review of *Evolutionary Biology of Aging*, by Michael R. Rose. p1000 17 May 1991.
- Passano, L. M.: review of *Evolution of the First Nervous Systems*, edited by Peter A. V. Anderson. p588 26 Apr 1991.
- Patrin, J. C. See Li, Y. Z.
- Paul, Diane B.: review of *Mapping the Code*, by Joel Davis, *Mapping our Genes*, by Lois Wingerson and *Genome*, by Jerry E. Bishop and Michael Waldholz. p142 5 Apr 1991.
- Paul, Meera. See Sidransky, David.
- Paul, Richard. See Siegel, Jerome M.
- Pavirani, Andrea. See Rosenfeld, Melissa A.
- Pavletich, Nikola P. and Pabo, Carl O.: Zinc finger-DNA recognition: crystal structure of a Zif268-DNA complex at 2.1 Å. p809 10 May 1991.
- Pawson, Tony. See Koch, C. Anne.
- Peralta, Ernest. See Lechleiter, James.
- Perera, Frederica P.; Rall, David P.; Weinstein, I. B.: Carcinogenesis mechanisms: the debate continues (letter). p903 17 May 1991.
- Perlmutter, Roger M. See Hatakeyama, Masanori.
- Perricaudet, Michel. See Rosenfeld, Melissa A.
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- Peterson, Barry T.: Overhead costs. p1020 17 May 1991.
- Pettengill, Gordon H. See Saunders, R. Stephen. See also Tyler, G. Leonard.
- _____, Ford, Peter G.; Johnson, William T. K.; Roney, R. Keith; Soderblom, Laurence A.: Magellan: radar performance and data products. p260 12 Apr 1991.
- Phillips, Philip and Wu, Hong-Lu: Localization and its absence: a new metallic state for conducting polymers. p1805 28 June 1991.
- Phillips, Roger J. See Solomon, Sean C.
- _____, Arvidson, Raymond E.; Boyce, Joseph M.; Campbell, Donald B.; Guest, John E.; Schaber, Gerald G.; Soderblom, Laurence A.: Impact craters on Venus: initial analysis from Magellan. p288 12 Apr 1991.
- Phillips, Roger J.; Grimm, Robert E.; Malin, Michael C.: Hot-spot evolution and the global tectonics of Venus. p651 3 May 1991.
- Piatigorsky, J. and Wistow, G.: The recruitment of crystallins: new functions precede gene duplication. p1078 24 May 1991.
- Pimentel, David: Pesticide use (letter). p358 19 Apr 1991.
- Pine, D. J. See Durian, D. J.
- Pirazzoli, P. A.; Radtke, U.; Hantoro, W. S.; Jouannic, C.; Hoang, C. T.; Causse, C.; Best, M. Borel: Quaternary raised coral-reef terraces on Sumba Island, Indonesia. p1834 28 June 1991.
- Piseri, Anna. See Libri, Domenico.
- Podjarny, A. See Ruff, M.
- Polymeropoulos, Mihael H. See Adams, Mark D.
- Pons, Tim P.; Garraghty, Preston E.; Ommaya, Alexander K.; Kaas, Jon H.; Taub, Edward; Mishkin, Mortimer: Massive cortical reorganization after sensory deafferentation in adult macaques. p1857 28 June 1991.
- Poole, L. R. See Brune, W. H.
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- Power, Ronan F.; Lydon, John P.; Conneely, Orla M.; O'Malley, Bert W.: Dopamine activation of an orphan of the steroid receptor superfamily. p1546 14 June 1991.
- Prime, Kevin L. and Whitesides, George M.: Self-assembled organic monolayers: model systems for studying adsorption of proteins at surfaces. p1164 24 May 1991.
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- Pütz, Joern; Puglisi, Joseph D.; Florentz, Catherine; Giegé, Richard: Identity elements for specific aminoacylation of yeast tRNA^{Asp} by cognate aspartyl-tRNA synthetase. p1696 21 June 1991.

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- Quakyi, Isabella A. See Kaslow, David C.
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- Ramesh, R.; Inam, A.; Chan, W. K.; Wilkens, B.; Myers, K.; Remschnig, K.; Hart, D. L.; Tarascon, J. M.: Epitaxial cuprate superconductor/ferroelectric heterostructures. p944 17 May 1991.
- Raney, R. Keith. See Pettengill, Gordon H.
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- Rapraeger, Alan C.; Krufka, Alison; Olwin, Bradley B.: Requirement of heparan sulfate for bFGF-mediated fibroblast growth and myoblast differentiation. p1705 21 June 1991.
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 _____; Arvidson, Raymond E.; Head, James W., III; Schaber, Gerald G.; Stofan, Ellen R.; Solomon, Sean C.: An overview of Venus geology. p249 12 Apr 1991.
 Saunders, R. Stephen and Pettengill, Gordon H.: Magellan: mission summary. p247 12 Apr 1991.
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 Sheng, Morgan; Thompson, Margaret A.; Greenberg, Michael E.: CREB: A Ca²⁺-regulated transcription factor phosphorylated by calmodulin-dependent kinases. p1427 7 June 1991.
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 Siegel, Jerome M.; Nienhuis, Robert; Fahringer, Heidi M.; Paul, Richard; Shiromani, Priyattam; Dement, William C.; Mignot, Emmanuel; Chiu, Charles: Neuronal activity in narcolepsy: identification of cataplexy-related cells in the medial medulla. p1310 31 May 1991.
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- miak. p1729 21 June 1991.
- Smith, R. Jeffrey (news): Ultimate recycling: nuclear warheads. p1056 24 May 1991.
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- Soderblom, Laurence A. See Pettengill, Gordon H. See also Phillips, Roger J.
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- and Head, James W.: Fundamental issues in the geology and geophysics of Venus. p252 12 Apr 1991.
- Solomon, Sean C.; Head, James W.; Kaula, William M.; McKenzie, Dan; Parsons, Barry; Phillips, Roger J.; Schubert, Gerald; Talwani, Manik: Venus tectonics: initial analysis from Magellan. p297 12 Apr 1991.
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- Sparr, G.; Thompson, J. D.; Huang, S.-M.; Kaner, R. B.; Diederich, F.; Whetten, R. L.; Grüner, G.; Holzer, K.: Pressure dependence of superconductivity in single-phase K_3C_{60} . p1829 28 June 1991.
- Sprague, A. L.; Kozlowski, R. W. H.; Hunten, D. M.: Detecting potassium on Mercury. p975 17 May 1991.
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- Sullivan, Susan J.; Maki, Takashi; Borland, Kermit M.; Mahoney, Michele D.; Solomon, Barry A.; Muller, Thomas E.; Monaco, Anthony P.; Chick, William L.: Biohybrid artificial pancreas: long-term implantation studies in diabetic, pancreatectomized dogs. p718 3 May 1991.
- Summerhayes, Ian. See Sidransky, David.
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- T
- Tabor, Herbert: *Journal of Biological Chemistry* and protein crystallization papers (letter). p1601 21 June 1991.
- Talukdar, R.; Mellouki, A.; Gierczak, T.; Burkholder, J. B.; McKeen, S. A.; Ravishankara, A. R.: Atmospheric lifetime of CHF_2Br , a proposed substitute for halons. p693 3 May 1991.
- Talwani, Manik. See Solomon, Sean C.
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- Tomic, T.; Shimizu, H.; Majima, T.; Yamada, M.; Kanayama, T.; Kondo, H.; Yano, M.; Ono, M.: Three-dimensional readout of flash x-ray images of living sperm in water by atomic-force microscopy. p691 3 May 1991.
- Tominaga, Michiaki. See Yamamura, Yoshitaka.
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- Tyler, G. Leonard; Ford, Peter G.; Campbell, Donald B.; Elachi, Charles; Pettengill, Gordon H.; Simpson, Richard A.: Magellan: electrical and physical properties of Venus' surface. p265 12 Apr 1991.
- U
- Ueda, Hitoshi. See Lavorgna, Giovanni.
- Ueno, Hikaru; Colbert, Heather; Escobedo, Jaime A.; Williams, Lewis T.: Inhibition of PDGF β receptor signal transduction by coexpression of a truncated receptor. p844 10 May 1991.
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- Van Duyn, Gregory D.; Standaert, Robert F.; Karplus, P. Andrew; Schreiber, Stuart L.; Clardy, Jon: Atomic structure of FKBP-FK506, an immunophilin-immunosuppressant complex. p839 10 May 1991.
- Van Dyke, Marc. See Lupas, Andrei.
- Van Horn, H. M.: Dense astrophysical plasmas. p384 19 Apr 1991.
- van Opstal, A. John; Hepp, Klaus; Hess, Bernhard J. M.; Straumann, Dominik; Henn, Volker: Two- rather than three-dimensional representation of saccades in monkey superior colliculus. p1313 31 May 1991.
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- Voss, David: Astrophysical plasmas (editorial). p353 19 Apr 1991.
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- Wain-Hobson, Simon; Vartanian, Jean-Pierre; Henry, Michel; Chenciner, Nicole; Cheyner, Rémi; Delassus, Sylvie; Martins, Livia Pedrosa; Sala, Monica; Nugeyre, Marie-Thérèse; Guétard, Denise; Klatzmann, David; Gluckman, Jean-Claude; Rozenbaum, Willy; Barré-Sinoussi, Françoise; Montagnier, Luc: LAV revisited: origins of the early HIV-1 isolates from Institut Pasteur. p961 17 May 1991.
- Waldman, Thomas A.: Monoclonal antibodies in diagnosis and therapy. p1657 21 June 1991.
- Walsh, John (news): The greening of the Green Revolution. p26 5 Apr 1991.
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- Warmke, Jeffrey; Drysdale, Rachel; Ganetzky, Barry: A distinct potassium channel polypeptide encoded by the *Drosophila eag* locus. p1560 14 June 1991.
- Warren, S. T. See Kremer, E. J. See also Yu, S.
- Weaver, J. H. See Benning, P. J. See also Li, Y. Z.
- Webb, S. David: review of *After the Ice Age*, by E. C. Pielou. p1006 17 May 1991.
- Weber, J. M.; Leung, J. O.; Swanson, S. J.; Idler, K. B.; McAlpine, J. B.: An erythromycin derivative produced by targeted gene disruption in *Saccharopolyspora erythraea*. p114 5 Apr 1991.
- Weinberg, Stanley L.: Science funding (letter). p490 26 Apr 1991.
- Weinstein, I. B. See Perera, Frederica P.
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- Weiss, Rick (news): Breast implant fears put focus on biomaterials. p1059 24 May 1991. Implants: how big a risk? p1060 24 May 1991.
- Weiss, Robin A. See Moore, John P.
- Weitz, D. A. See Durian, D. J.
- Wells, Henry A., Jr.: Paper versus polystyrene: environmental impact (letter). p1361 7 June 1991.
- Wemmer, David E. See McIntire, William S.
- Wertheim, G. K.; Rowe, J. E.; Buchanan, D. N. E.; Chaban, E. E.; Hebard, A. F.; Kortan, A. R.; Makhija, A. V.; Haddon, R. C.: Photoemission spectra and electronic properties of K_3C_{60} . p1419 7 June 1991.
- West, Robert A. See Orton, Glenn S.
- Whangbo, M.-H.; Canadell, E.; Foury, P.; Pouget, J.-P.: Hidden Fermi surface nesting and charge density wave instability in low-dimensional metals. p96 5 Apr 1991.
- Whangbo, Myung-Hwan. See Williams, Jack M.
- Whetten, Robert L. See Diederich, François. See also Holzer, Károly. See also Sparr, G.
- White, C. W. See Narayan, J.
- Whitesides, George M. See Hickman, James J. See also Prime, Kevin L.
- Whittier, Dean P.: review of *Developmental Biology of Fern Gametophytes*, by V. Raghavan. p321 12 Apr 1991.
- Wiberg, Kenneth B.; Hadad, Christopher M.; Breneman, Curt M.; Laidig, Keith E.; Murcko, Mark A.; LePage, Teresa J.: The response of electrons to structural changes. p1266 31 May 1991.
- Wichmann, Thomas. See Bergman, Hagai.
- Wilkins, B. See Ramesh, R.
- Williams, Alan F.: Membrane-bound phosphotyrosine phosphatases (letter). p764 10 May 1991.
- Williams, Jack M.; Schultz, Arthur J.; Geiser, Urs; Carlson, K. Douglas; Kini, Aravinda M.; Wang, H. Hau; Kwok, Wai-Kwong; Whangbo, Myung-Hwan; Schirber, James E.: Organic superconductors—new benchmarks. p1501 14 June 1991.
- Williams, Lewis T. See Ueno, Hikaru.
- Williams, Peter: review of *Biological Mass Spectroscopy*, edited by A. L. Burlingame and J. A. McCloskey. p1865 28 June 1991.
- Willis, S. C. See Bell, J. F., III.
- Wilson, Charles; Wardell, Mark R.; Weisgraber, Karl H.; Mahley, Robert W.; Agard, David A.: Three-dimensional structure of the LDL receptor-binding domain of human apolipoprotein E. p1817 28 June 1991.
- Wilson, David K.; Rudolph, Frederick B.; Quiocho, Florante A.: Atomic structure of adenosine deaminase complexed with a transition-state analog: understanding catalysis and immunodeficiency mutations. p1278 31 May 1991.
- Wilson, Edward O.: Museum of Comparative Zoology: expanded "skeleton staff" (letter). p191 12 Apr 1991.

Wilson, Thomas E.; Fahrner, Timothy J.; Johnston, Mark; Milbrandt, Jeffrey: Identification of the DNA binding site for NGFI-B by genetic selection in yeast. p1296 31 May 1991.

Wirsching, Peter; Ashley, Jon A.; Benkovic, Stephen J.; Janda, Kim D.; Lerner, Richard A.: An unexpectedly efficient catalytic antibody operating by ping-pong and induced fit mechanisms. p680 3 May 1991.

Wistow, G. See Piatigorsky, J.

Witte, Pamela R. See Young, Lisa S.

Wong, Rachel O. L. See Meister, Markus.

Wood, J. A. See Arvidson, R. E.

Wright, Karen (news): Calmer waters at primate institute? p24 5 Apr 1991.

Wright, Samuel D.: CD14 and immune response to lipopolysaccharide (technical comment). p1321 31 May 1991.

Wrighton, Mark S. See Hickman, James J.

Wu, Andrew. See Adams, Mark D.

Wu, Carl. See Lavorgna, Giovanni.

Wu, Chun-Fang. See Zhong, Yi.

Wu, Hong-Lu. See Phillips, Philip.

Wudl, Fred. See Diederich, François.

X-Z

Xiao, Hong. See Adams, Mark D.

Yabuuchi, Youichi. See Yamamura, Yoshitaka.

Yagi, Takehiko. See Utsumi, Wataru.

Yamada, M. See Tomie, T.

Yamamura, Yoshitaka; Ogawa, Hidenori; Chihara, Tomihiko; Kondo, Kazumi; Onogawa, Toshiyuki; Nakamura, Shigeki; Mori, Toyoki; Tominaga, Michiaki; Yabuuchi, Youichi: OPC-21268, an orally effective, nonpeptide vasopressin V1 receptor antagonist. p572 26 Apr 1991.

Yan, Hai; Schlessinger, Joseph; Chao, Moses V.: Chimeric NGF-EGF receptors define domains responsible for neuronal differentiation. p561 26 Apr 1991.

Yano, M. See Tomie, T.

Yee, Gordon T. See Manriquez, Juan M.

Yoneyama, Koichi. See Rosenfeld, Melissa A.

Yoshimura, Hideyuki. See Akiba, Toshihiko.

Yoshimura, Kunihiko. See Rosenfeld, Melissa A.

Young, Lisa S.; Dunstan, Heather M.; Witte, Pamela R.; Smith, Timothy P.; Ottonello, Simone; Sprague, Karen U.: A class III transcription factor composed of RNA. p542 26 Apr 1991.

Yu, S. See Kremer, E. J.

———; Pritchard, M.; Kremer, E.; Lynch, M.; Nancarrow, J.; Baker, E.; Holman, K.; Mulley, J. C.; Warren, S. T.; Schlessinger, D.; Sutherland, G. R.; Richards, R. I.: Fragile X genotype characterized by an unstable region of DNA. p1179 24 May 1991.

Yuen, D. A. See Liu, M.

Yurke, B.: Back-action evasion as an alternative to impedance matching. p528 26 Apr 1991.

Zengel, Janice M. See Lindahl, Lasse.

Zhai, Sen. See Liu, Shih-Chun.

Zhao, W. See Liu, M.

Zhong, Yi and Wu, Chun-Fang: Alteration of four identified K⁺ currents in *Drosophila* muscle by mutations in *eag*. p1562 14 June 1991.