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- non, Kenneth W.; Burlaga, Leonard F.; Connerney, John E. P.; Lepping, Ronald P.; Neubauer, Fritz M.: Magnetic field studies by Voyager 2: preliminary results at Saturn. v215 p558-563 29 Jan 82.
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- James W.; Hoch, Alfred L.: Transmission of Oropouche virus from man to hamster by the midge *Culicoides paraensis*. v215 p1251-1253 5 Mar 82.
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- Poste, George: review of *Virus Receptors*, part 1 edited by L. L. Randall and L. Philipson and part 2 by K. Lonberg-Holm and L. Philipson. v215 p1234 5 Mar 82.
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- Potocnjak, Pedro; Zavala, Fidel; Nussenzweig, Ruth; Nussenzweig, Victor: Inhibition of idiotype-anti-idiotypic interaction for detection of a parasite antigen: a new immunoassay. v215 p1637-1639 26 Mar 82.
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- Putlitz, G. zu: review of *Exotic Atoms '79*, edited by Kenneth Crowe, Jean Duclos, Giovanni Fiorentini, and Gabriele Torelli. v215 p961-962 19 Feb 82.

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- Quin, L. D.; Cleland, W. W.; Cowley, A. H.; Mislow, K. M.; Moedritzer, K.; Ramirez, F.; Toy, A. D. F.; Verkade, J. G.: Resolution of phosphorus chemists (letter). v215 p116 8 Jan 82.
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- Warwick, J. W.; Evans, D. R.; Romig, J. H.; Alexander, J. K.; Desch, M. D.; Kaiser, M. L.; Aubier, M.; Leblanc, Y.; Lecacheux, A.; Pedersen, B. M.: Planetary radio astronomy observations from Voyager 2 near Saturn. v215 p582-587 29 Jan 82.
- Washington, John A., II: review of *The Future of Antibiotherapy and Antibiotic Research*, edited by L. Ninet, P. E. Bost, D. H. Bouanchaud, and J. Florent. v215 p1496-1497 19 Mar 82.
- Wassersug, Richard: review of *The Behavior- al Ecology of the Komodo Monitor*. v215 p1607-1608 26 Mar 82.
- Watabe, Tadashi; Ishizuka, Tsuneo; Isobe, Masakazu; Ozawa, Naoki: A 7-Hydroxymethyl sulfate ester as an active metabolite of 7,12-dimethylbenz[*a*]anthracene. v215 p403-405 22 Jan 82.
- Watson, S. P. See Eison, A. S.
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- Webb, Robert B. and Brown, Mickey S.: Genetic damage in *Escherichia coli* K12 AB2480 by broad-spectrum near-ultraviolet radiation. v215 p991-993 19 Feb 82.
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- Wehausen, John V.: International scientific exchange (letter). v215 p913 19 Feb 82.
- Weindrich, Richard and Walford, Roy L.: Dietary restriction in mice beginning at 1 year of age: effect on life-span and spontaneous cancer incidence. v215 p1415-1418 12 Mar 82.
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- Westley, John: NSF peer review (continued) (letter). v215 p344, 346 22 Jan 82.
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- Whang-Peng, J.; Kao-Shan, C. S.; Lee, E. C.; Bunn, P. A.; Carney, D. N.; Gazdar, A. F.; Minna, J. D.: Specific chromosome defect associated with human small-cell lung cancer: deletion 3p(14-23). v215 p181-182 8 Jan 82.
- White, James G. See Peterson, Douglas A.
- Whitehouse, Peter J.; Price, Donald L.; Struble, Robert G.; Clark, Arthur W.; Coyle, Joseph T.; DeLong, Mahlon R.: Alzheimer's disease and senile dementia: loss of neurons in the basal forebrain. v215 p1237-1239 5 Mar 82.
- Whitted, Turner: Some recent advances in computer graphics. v215 p767-774 12 Feb 82.
- Whittington, Paul M.; Bate, Michael; Seifert, Eveline; Ridge, Kimberley; Goodman, Corey S.: Survival and differentiation of identified embryonic neurons in the absence of their target muscles. v215 p973-975 19 Feb 82.
- Wijayarathne, R. See Means, J. C.
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- Williams, Daniel C.; Van Frank, Richard M.; Muth, William L.; Burnett, J. Paul: Cytoplasmic inclusion bodies in *Escherichia coli* producing biosynthetic human insulin proteins. v215 p687-689 5 Feb 82.
- Williams, E. E. and Peterson, J. A.: Convergent and alternative designs in the digital adhesive pads of scincid lizards. v215 p1509-1511 19 Mar 82.
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- Wood, J. M. See Mason, C. P.
- Wood, W. G. See Old, J. M.
- Wrather, Joan: The annual meeting comes to town (AAAS). v215 p1225-1228 5 Mar 82.
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- Yabrov, Alexander. See Strehler, Bernard L.
- Yan, Johnson F.: Kinetics of delignification: a molecular approach. v215 p1390-1392 12 Mar 82.
- Yannas, I. V.; Burke, J. F.; Orgill, D. P.; Skrabut, E. M.: Wound tissue can utilize a polymeric template to synthesize a functional extension of skin. v215 p174-176 8 Jan 82.
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- Yip, Y. K.; Barrowclough, Barbara S.; Urban, Carl; Vilček, Jan: Molecular weight of human gamma interferon is similar to that of other human interferons. v215 p411-413 22 Jan 82.
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