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- Abbey, D. 1997. A Field Scale Evaluation of a Genetically Engineered Corn Hybrid Resistant to European Corn Borer. Cantaurus 5:2-5.
- Allen, S. 2002. Characterization of Co (Am₂ Bcyclam) PF₆. Cantaurus 10:2-6.

Allen, T. 2006. Explaining Spatial Variation in Yields in Irrigated Corn. Cantaurus 14:2-14.

- Amiot, J.M. 1999. The Effect of Day Length on the Longevity of Drosophila melanogaster. Cantaurus 7:2-4.
- Barr, A.B. 1994. Demineralization of Pigs Teeth. Cantaurus 2:2-6.
- Behnke, A. 2001. The Effects of Sleep Deprivation on Binocular Convergence and Monocular Accomodation. Cantaurus 9:2-4.
- Berlanga, J.A. 2004. Bacteria Isolated from an MTBE Mineral Medium Culture. Cantaurus 12:2-3.
- Blas, J. 2005. Expression and Purification of Tumor-Suppressor Protein Tip30 for Structural Studies by NMR Spectroscopy. Cantaurus 13:2-4.
- Blubaugh, S.J. 1994. The Effect of Early Feed Restriction on Death Loss, Growth Rate and Final Maximum Body Weight of Broiler Chickens. Cantaurus 2:7-10.

Bowen, J. 1999. Develop a Quantitative Analytical Method for Low (. 1 ppm) Levels of Ammonium Sulfate. Cantaurus 7:5-8

Bretz, M. 1996. Changes in fiber content of tallgrass and shortgrass species during maturation. Cantaurus 4:2-4.

Burden, T.L. 1993. Immunological Specificity of Classically Conditioned Immuno-enhancement. Cantaurus 1:3-11.

Cantrell, M.D. 1993. Studies of Sonochemically Enhanced Grignard Reactions. Cantaurus 1:18-22.

Cockriel, D. The Design and Synthesis of Pyrazine Ligands Suitable for Molecular Weaving with Octahedral Metal Ions. Cantaurus 13:5-9.

Coleman, C. 2003. What are the Effects of No-till Farming on Soil Moisture and Soil Temperature Compared to Conventional Tillage in Rice County Kansas? Cantaurus 11:2-4.

Consaul, D.J. 2004. The Effects of Kickoff and Compost on Yield and Economic Value of Double Crop Potatoes. Cantaurus 12:4-6.

- Coopple, S. 1994. PCR Analysis of Small Indian Mongoose Mitochondrial DNA. Cantaurus 2:11-15.
- Cox, T.D. 2006. Germination of Five Wheat Varieties over a Range of Salinities. Cantaurus 14:15-18.
- Cripe, A. 2003. McPherson College's Environmental Impact on Water Use, Energy Use, and Waste Generation/Disposal. Cantaurus 11:5-14.
- Crist, C. E. Klein, J. Golan, D. Harrison-Findik. 2007. The Interaction of Alcohol and Iron-Overload in the invivo Regulation of Iron Responsive Genes. Cantaurus 15:2-6.
- DeMoss, C.L. 1994. The Decomposition of Chlorinated Hydrocarbons in Aqueous Solution by Ultrasonic Irradiation. Cantaurus 2:16-20.
- Dennis, J.W. 1999. The Effect of *Echinacea purpurea* on Stimulating IgM (Primary) and IgG (Secondary) Immune Responses in Male CD1 Mice. Cantaurus 7:9-11.
- Embers, M.E. 1995. The Effect of Vitamin E on Splenic and Hepatic Natural Killer (NK) Cell Activity in the Rat. Cantaurus 3:2-6.

Embers, M.E. 1996. Current Findings and Developments in AIDS Research: A Review. Cantaurus 4:5-7.

- Engquist, L.D. 2007. Tracking Patient Habits: Gender Age, Financial State, and Health Education. Cantaurus 15:7-10.
- Epps, M.E. 1996. The effect of soil nutrient status on the resorption efficiency of nitrogen and phosphorus from leaves of green ash, *Fraxinus pennsylvanica*. Cantaurus 4:8-10.
- Feasenhiser, D. 2005. The Effects of Organic Selenium on Rumen Volatile Fatty Acid Production in Continuous Culture. Cantaurus 13:10-13.
- Fisher, H. 2007. Benzo(a)pyrene Induced Mutagenesis of *Saccharomyces cerevisiae*. Cantaurus 15:11-13.
- Fisher, J.D. 2001. Evaluation of the Farm Credit Quick Loan Analysis as a Valid Scorecard for Small Business Loans Between \$100,000 and \$250,000. Cantaurus 9:5-8.
- Freeman, H. 1997. The Difference Between Heat and CO_2 Measurements of Metabolic Rates in Mice. Cantaurus 5:6-8.

Friesen, M. 1999. A Comparative Analysis of Flue Gas Desulfurization Byproducts to Limestone in an Increase in the Soil pH. Cantaurus 7:12-14.

- Gallo, S. 2001. The Effects of Wastewater Treatment Sludge on the Decomposition of Yard Waste. Cantaurus 9:9-11.
- Gesch, P. 1994. Comparisons of Myofibrillar Protein Using Gel Electrophoresis in Mouse Skeletal Muscle. Cantaurus 2:21-24.
- Good, S.J. 2002. Operation and Methods Development for the Varian Saturn 2100D GC/MS. Cantaurus 10:7-13.
- Grillo, A.O. 1994. Effect of Short-term Sulfur dioxide Fumigation on Photosynthesis in Sunflower and Wheat. Cantaurus 2:25-28.
- Grillo, I.A. 2002. The Synthesis and Characterization of Co(Am₂Bcyclam)PF₆ A model for new MRI Contrast Agents. Cantaurus 10:14-19.
- Hamud-Socoro, A.A. 2004. *Pseudomonas aeruginosa* Resistance to Tetracycline and Triclosan. Cantaurus 12:7-9.
- Hamud-socoro, M.A. 2002. Is There a Difference in Hemoglobin Concentration Between Male and Female Horses? Cantaurus 10:20-22.
- Hargitt, R. 2001. The Nitrate Contamination of Private Well Water in Rural Northwest Kansas. Cantaurus 9:12-17.
- Harmon, E. 1995. Self-incompatibility in Rapid Cycling *Brassica rapa*. Cantaurus 3:7-10.
- Harper, J. 2005. Influence of Lactose Utilization and Population Dynamics of *Escherichia coli var. mutabilis.* Cantaurus 13:14-17.
- Harris, D. 1999. The Effects of Bacteria in Different Soils of Artificial Wetlands on Certain Contaminants. Cantaurus 7:15-18
- Herber, M.W. 2007. Development of a Novel Assay to Determine Nanoparticle Protection of Complexed dsDNA. Cantaurus 15:14-16.
- Herrera, A.K. 2000. The Effects of Slow and Fast Velocity Training on Vertical Jump Using the Dynamic Force Monitor. Cantaurus 8:2-5.
- Hiebert, L.M. 1996. The visible effects that laundering has on dyed cotton when a non-formaldehyde based resin finish has been applied. Cantaurus 4:11-13.
- Hoffert, R. 2007. Hershey Diamond Synthesis: an Attempt at Verifying Methods. Cantaurus 15:17-20.
- Hoffert, W. 2003. Synthesis and Characterization of a Chloro Hydroxo Chromium ³⁺ Complex of Cross-Bridged Cyclam. Cantaurus 11:15-19.
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- Holderreed, M. 1993. Attenuation of the Immunosuppressive and Adrenal Responses to Noise Stress in Rats. Cantaurus 1:23-31.
- Hooton, S. 1999. The Effect of Different Concentrations of *Gingko biloba* on the Memory of a Maze in Mice. Cantaurus 7:19-22.
- House, J.A. 1998. Adaptation of *Pseudomonas aeruginosa* in Kansas oil fields for use in tertiary oil recovery. Cantaurus 6:2-4.
- Huen. J. 1997. The Effects of Vitamin E on the Longevity of *Drosophila melanogaster*. Cantaurus 5:9-11.
- Hughbanks, H.L. 1995. The Effects of Ovariectomy and Supplemental Estrogen Therapy on the Growth and Development of Prepubescent Rats. Cantaurus 3:11-16.
- Johnson, B. 1998. The development of the Function Generator and the Digital Multi-Meter to be used with LabVIEW. Cantaurus 6:5-7.
- Johnson, R.J. Jr. 1999. Survey of Plasmid Transfer Containing Ampicillin Resistant Gene between *Escherichia coli* pGFPuv and *Enterobacter aerogenes* Intestinal Flora Varying Wastewater Treatment Plant Water Quality Standards. Cantaurus 7:23-27.
- Jones, B.F. 2003. How Sewage Foam Affects Grass Growth Compared To UAN Fertilizer Or No Fertilizer. Cantaurus 11:20-22.
- Kinzie, R.W. 1994. The Role of the Tail in the Thermoregulation of the Mongolian Gerbil, *Meriones ungulatis*. Cantaurus 2:29-32.
- Kobbeman, K. 1997. The Effects of Mycorrhizal Suppression on Tallgrass Prairie Forbs. Cantaurus 5:12-17.
- Koster, C. 1999. Force Analysis of Individuals and Calibration of the Dynamic Force Monitor Prototype. Cantaurus 7:28-30.
- Kunz, C. 1997. Bayesian Inversion of Gamma Spectra. Cantaurus 5:18-27
- Levinski, L.J. 2001. Assessing the Scientific Evidence of Increasing Global Temperature: A Review of the Literature. Cantaurus 9:18-22.
- Lichty, J. 2001. The Synthesis and Characterization of Co(AcBcyclam)PF₆. Cantaurus 9:23-26.
- Lichty, R.L. 2002. The Effect of Natural Selection on the Resistance of *Escherichia coli* to Triclosan. Cantaurus 10:23-25.
- Lloyd, L. 1996. A preliminary chemical investigation into the heritability of the metabolic pathway for the cardiac glycoside cymarin within the Family Apocynaceae. Cantaurus 4:14-16.
- Loar, S. 1995. The Effects of Electrical Stimulation on

Individuals with Cerebral Palsy or Spina Bifida. Cantaurus 3:17-20.

Lucore, B. 2003. Characterization of CD25+ T regulatory cells in Systemic Lupus Erythematosus. Cantaurus 11:23-26.

Lucore, D. 2005. The Mutagenesis of Benzo(a)pyrene on Yeast. Cantaurus 13:23-26.

Mahler, C.W. 1998. Effects on nodulation and early growth of soybeans grown in sewage sludgeamended soil of McPherson. Cantaurus 6:8-10.

Makings, E. 1997. Factors Influencing Meadowlark Nest Site Selection. Cantaurus 5:28-30.

May, C.M. 2002. Synthesis and characterization of Cu(1,1,3,6,6,8-Hexamethyl-decahydro-3a,5a,8a,10a-tetra-azapyrene)Cl₂. Cantaurus 10:26-30.

May, R. 2006. Observation and Characterization of Fullerenes in Soot Generated during Reproduction of Historical Diamond Synthesis. Cantaurus 14:19-23.

McGowan, S. 1997. The Effect of Hydrocarbons on the Growth and Germination Patterns of the Plant *Brassica rapa*. Cantaurus 5:31-35.

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McLaughlin, N.J. 2000. The Effects of Digoxin on the Recovery Rate of the Heart after Exercise in Mice. Cantaurus 8:6-11.

McPherson, J.L. 2000. The Effect of Diethylstilbestrol on p53 Expression in Liver and Neural Tissue of the Female Hamster (*Mesocricetus auratus*). Cantaurus 8:12-16.

Miller, E. 2006. Population Growth and Lag Time Assent in Lactose Induced *Eschericia coli* Stains. Cantaurus 14:24-26.

Monte, L.E. 2004. Identification of Polycyclic Aromatic Hydrocarbon Anthracene in Beach Sand Extracted from Matagorda Island. Cantaurus 12:10-12.

Morgan, R. 1993. Comparisons of Home Range Estimating Techniques for the Cotton Rat (*Sigmodon hispidus*): Fluorescent Tracking vs. Live Trapping. Cantaurus 1:12-17.

Norman, W. 1999. The Effects of Varying pH on Plasmid Transfer *from Escherichia coli* to *Enterobacter aerogenes*. Cantaurus 7:34-35.

Norsworthy, C.B. 2000. The Effects of Selenium on the Death Rate of Brine Shrimp. Cantaurus 8:17-19.

Osterloh, M. 2004. Transfer of Antibiotic Resistant Genes between *Escherichia coli* and *Salmonella typhimurum*. Cantaurus 12:13-14.

- Owens, C. 1996. Action of nitrate on the fathead minnow, *Pimephales promelas*, in stillwater. Cantaurus 4:17-20.
- Parsell, T. 2003. Synthesis and Characterization of 4, 11-dimethyl-1, 4, 8, 11, tetraazabicyclo hexadecane Chromium. Cantaurus 11:27-30.
- Phillips, T.S. 1998. Effect of microorganisms and nitrogen on the allelopathy of sorghum residues and the germination of wheat seeds. Cantaurus 6:11-13.
- Prose, P. 2000. The Hamster's Progesterone Receptor Levels According to the Menstrual Cycle. Cantaurus 8:20-22.
- Putnam, E.D. 1999. Groundwater Analysis of Triazine Herbicide Using Solid Phase Extraction and High Pressure Liquid Chromatography. Cantaurus 7:36-37.
- Reichert, E.C. 2000. The Effect of Different Concentrations of *Gingko biloba* on the Memory of a Maze in Mice. Cantaurus 8:23-24.

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- Sader, L. 2006. Isolation and Identification of an Electricity Producing Microorganism from the Quivira National Wildlife Refuge. Cantaurus 14:27-30.
- Saffer, E. 1995. Physical Therapy in McPherson County Schools. Cantaurus 3:21-28.
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- Samuelson, R. 1997. Heterotrophic Dominance Observed Among the Micro-organisms Of the Schermerhorn Park Cave In Cherokee County, Kansas. Cantaurus 5:36-40.
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- Schropp, J. 2007. Comparison of Effort for High-Velocity and Low-Velocity Bench Press. Cantaurus 15:27-29.
- Schulz, M.L. 2003. The effects of cover crops in no-till systems on microbial activity. Cantaurus 11:31-36.
- Sechler, W. 1996. Determination of magnesium levels in rat myocardium after administration of epinephrine. Cantaurus 4:21-24.

Showalter, J. 2001. The Effects of Nitrogen on Yield

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Smith, A.B. 1994. Agricultural Disturbances and Small Mammal Communities: *Peromyscus maniculatis* versus *Sigmodon hispidus*. Cantaurus 2:33-39.

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Ware, S. 1997. The Effects of NaCl on the Germination of *Brassica rapa* and *Atriplex patula*. Cantaurus 5:43-46.

Wenzel, R. 1998. Atrazine runoff from corn fields using high pressure liquid chromatography and solid phase extraction. Cantaurus 6:17-19.

Wilson, A.J. 2000. The Selenium Levels in Nonirrigated and Irrigated Fields in North Central Kansas. Cantaurus 8:25-26.

Wine, G. 2001. The Effects of *Apis mellifica* on Type I Hypersensitivity in Mice. Cantaurus 9:29-32.

Worley, P. 1994. Psychosocial Environment Change and its Effect on the Immune Response of Mice. Cantaurus 2:48-51. Zirkel, S. 1996. Immunosuppression in mice consuming elevated levels of dietary saturated fat. Cantaurus 4:25-28.

Zitnik, J. 1999. Bayesian Inversion of Simply Modeled Magnetic Anomaly Data. Cantaurus 7:52-55.