

Una nueva sección que recoge los índices de algunas revistas de interés para los lectores.

ÍNDICES

American Educational Research Journal

Volume 34, number 4, Winter 1997

Brenner, Mary E., Mayer, Richard E., Webb, David, Learning by Understanding: The Role of Multiple Representations in Learning Algebra. Page 663

Marsh, Herbert W., Yeung, Alexander Seeshing, Coursework Selection: Relations to Academic Self-Concept and Achievement. Page 691

Sacks, Colin H., Mergendoller, John R., The Relationship Between Teachers' Theoretical Orientation Toward Reading and Student Outcomes in Kindergarten Children With Different Initial Reading Abilities. Page 721

Chemical Engineering Education.

Volume 31, number 4, Fall 1997

Abu-Khalaf, Aziz M., Start-Up of a Non-Isothermal CSTR: Mathematical Modeling. Page 250

Bunge, Annette L., Miller, Ronald L., Helping Students Become Better Mathematical Modelers: Pseudosteady-State Approximations. Page 254

Carta, Giorgio, LeVan, M. Douglas, Ryan Jr., James E., Process Integration and Industrial Pollution Prevention: Merging Theory and Practice in Graduate Education. Page 242

Dube, Marc A., Zinatelli, Marna, A Structured Interview for Selection of Graduate Students. Page 210

Felder, Richard M., Impostors Everywhere. Page 220

Fordon, Keith B., Vincitore, Antonio M., Senkan, Selim M., An Experiment in Combustion. Page 236

Haile, J.M., Toward Technical Understanding: Part 2. Elementary Levels. Page 214

Lauterbach, J., White, S., Delgass, W.N., A Novel Laboratory Course

on Advanced ChE Experiments. Page 260

O'Connell, John P., On the Nature and Conduct of Technical Research. Page 222

Rosner, Daniel E., Combustion Synthesis and Materials Processing. Page 228

Wankat, Phillip C., Synergism Between Research and Teaching in Separations. Page 202

Journal of Chemical Education.

Volume 74, number 12, DEC 01 1997

Almy, John, Alvarez, R. Martinez, Vazquez, A. Sanchez, Useful Examples for Discussion of Proton-NMR Spectroscopy: N-Substituted α -Aminobenzenebutanenitriles. Anisotropy of Diastereotopic Methylene Protons. Page 1479

Allen, Heather C., Brauers, Theo, Finlayson-Pitts, Barbara J., Illustrating Deviations in the Beer-Lambert Law in an Instrumental Analysis Laboratory: Measuring Atmospheric Pollutants by Differential Optical Absorption Spectrometry. Page 1459

Bacskey, George B., Reimers, Jeffrey R., Nordholm, Sture, The Mechanism of Covalent Bonding. Page 1494

Beauchamp, Philip S., Marquez, Rodolfo, A General Approach for Calculating Proton Chemical Shifts for Methyl, Methylene, and Methine Protons when there are one or more Substituents within Three Carbons. Page 1483

Beck, John F., Bunbury, David L., DNA Sequencing Update. Page 1503

Beeston, Ruth Freitag, Stitzel, Shannon E., Rhea, Mitchell A., Investigation of Atropisomerism in ortho-Substituted, Tetraphenylporphyrins: An Experimental Module Involving Synthesis, Chromatography, and NMR Spectroscopy. Page 1468

Bowers, Peter G., Rubín, Mordecai B., Andueza, Dagmar, Carbon Dioxide Dissolution as a Relaxation Process: A Kinetics Experiment for Physical Chemistry. Page 1455

Clarke, David W., Acetone and Ethyl Acetate in Commercial Nail Polish Removers: A Quantitative NMR Experiment Using an Internal Standard. Page 1464

Clinton, Bill, 2YC3-Opening College Doors to All Americans. Page 1392

Chemistry in the News: 1997 Nobel Prizes in Chemistry and Medicine. Page 1388

Driscoll, Jerry A., Acid Rain Demonstration: The Formation of Nitrogen Oxides as a By-Product of High-Temperature Flames in Connection with Internal Combustion Engines. Page 1424

Duong, Michelle H., Penrod, Samuel L., Grant, Stanley B., Kinetics of *p*-Nitrophenol Degradation by *Pseudomonas* sp: An Experiment Illustrating Bioremediation. Page 1451

Grehn, Leif, Ragnarsson, Ulf, Welch, Christopher J., Carbon-Carbon and Carbon-Nitrogen Spin-Spin Coupling in NMR Spectroscopy: Simple Examples Based on Isotope-Labeled Glycines. Page 1477

Hage, David S., Carr, James D., Castro-Acuna, Carlos Mauricio, A Discussion of Water Pollution in the United States and Mexico; with High School Laboratory Activities for Analysis of Lead, Atrazine, and Nitrate. Page 1413

Halstead, Judith A., Council on Undergraduate Research—What is Undergraduate Research? Page 1390

Halstead, Judith A., JCE Classroom Activity: #4: Rain, Lakes, and Streams: Investigating Acidity and Buffering Capacity in the Environment. Page 1456A

Herrera-Melian, Jose Alberto, Dona-

- Rodriguez, Jose Miguel, Perez-Pena, Jesus, Voltammetric Determination of Ni and Co in Water Samples. Page 1444
- Hersh, William H., False AA'X Spin-Spin Coupling Systems in ¹³C NMR: Examples Involving Phosphorus and a 20-Year-Old Mystery in Off-Resonance Decoupling. Page 1485
- Howell, J. Emory, Especially for High School Teachers. Page 1383
- Ibanez, Jorge G., Singh, M.M., Szafran, Z., Laboratory Experiments on Electrochemical Remediation of the Environment. Part 2: Microscale Indirect Electrolytic Destruction of Organic Wastes. Page 1451
- Jansen, Susan A., Our Microscopic Universe: An Interdisciplinary Course Examining Natural Phenomena Using Geology, Physics, and Chemistry. Page 1411
- Judd, Carolyn Sweeney, Reports from Other Journals: News from Online. Page 1394
- Juhl, Lorie, Yearsley, Kaye, Silva, Andrew J., Interdisciplinary Project-Based Learning through an Environmental Water Quality Study. Page 1431
- Kauffman, George B., Choojian, Steven H., Wohler's Urea Synthesis: Modern Version. Page 1493
- Klausen, Jorg, Meier, Markus A., Schwarzenbach, Rene P., Assessing the Fate of Organic Contaminants in Aquatic Environments: Mechanism and Kinetics of Hydrolysis of a Carboxylic Ester. Page 1440
- Lundberg, Peter, Educational NMR Software. Page 1489
- McDaniel, Keith F., Weekly, R. Matthew, The Diels-Alder Reaction of 2,4-Hexadien-o| with Maleic Anhydride: A Novel Preparation for the Undergraduate Organic Chemistry Laboratory Course. Page 1465
- McDowell, Sean A.C., Using Maple To Obtain Analytic Expressions in Physical Chemistry. Page 1491
- Mega, T.L., Carlson, C.B., Cleary, D.A., Following Glycolysis Using ¹³C NMR: An Experimental Adaptable to Different Undergraduate Levels. Page 1474
- Moore, John W., Editorial: Making the Future Ours. Page 1381
- News from Journal House. Page 1382
- Novick, S.G., Complexometric Titration of Zinc: An Analytical Chemistry Laboratory Experiment. Page 1463
- O'Connor, Carla, Dispositions Toward (Collective) Struggle and Educational Resilience in the Inner City: A Case Analysis of Six African-American High School Students. Page 593
- Orbell, John D., Godhino, Leroy, Ngeh, Lawrence N., Oil Spill Remediation Using Magnetic Particles: An Experiment in Environmental Technology. Page 1446
- Ottewill, Geraldine A., Walsh, Frank C., Consultancy in the Classroom: Using Industrial Chemistry in a Teaching Exercise. Page 1426
- Out of the Editor's Basket. Page 1405
- Phillips, Meredith, What Makes Schools Effective? A Comparison of the Relationships of Communitarian Climate and Academic Climate to Mathematics Achievement and Attendance During Middle School. Page 633
- Randall, Jack, Integrating High School Chemistry with Environmental Studies and Research. Page 1409
- Reimers, Jeffrey R., Bacskay, George B., Nordholm, Sture, Two Programs for PC-Compatibles: Abstract of Volume 10B, Number 2; The Basics of Covalent Bonding. Page 1503
- Shaw, Ralph, A Chemist's Gift Guide. Page 1412
- Smith, Marion W., Brown, Renee, Eager, Jon, Photosensitized Peroxidation of Lipids: An Experiment Using ¹H-NMR. Page 1471
- Tombouliau, Paul, Parrot, Katie, Chemical Education for Toxic Substance Control. Page 1434
- Weidenhamer, Jeffrey D., Environmental Projects in the Qualitative Analysis Lab. Page 1437
- Yappert, M. Cecilia, DuPre, Donald B., Complexometric Titrations: Competition of Complexing Agents in the Determination of Water Hardness with EDTA. Page 1422
- Journal of Chemical Education**
Volume 75, number 1, JAN 01 1998
- Baker, Anthony T., The Ligand Field Spectra of Copper(II) Complexes. Page 98
- Behrman, E. J., Rediscovery of an Extraction Technique. Page 80
- Bell, Jerry A., The Journal's 75th Anniversary: Diamond or Fullerene? Page 22
- Besalu, Emili, Marti, Josep, Exploring the Rayleigh-Ritz Variational Principle. Page 105
- Bozak, Richard E., Knittle, J., Hicks, Ronald J., Convenient Synthesis of a Lactone, gamma-Butyrolactone. Page 84
- Breton, Gary W., Hughey, Christine A., A Grignard-like Organic Reaction in Water. Page 85
- Breton, Gary W., Vang, Xoua, Photodimerization of Anthracene: A [4 pi 5 + 4 pi 5] Photochemical Cycloaddition. Page 81
- Bruist, Michael F., A Simple Demonstration of How Intermolecular Forces Make DNA Helical. Page 53
- Cobb, C. L., Love, G. A., Iron(III) Thiocyanate Revisited: A Physical Chemistry Equilibrium Lab Incorporating Ionic Strength Effects. Page 90
- Copper, Christine L., Koubek, Edward, A Kinetics Experiment To Demonstrate the Role of a Catalyst in a Chemical Reaction: A Versatile Exercise for General or Physical Chemistry Students. Page 87

- Cortel, Adolf, Demonstrations on Paramagnetism with an Electronic Balance. Page 61
- Doggett, Graham, Sutcliffe, Brian, A Modern Approach to L-S Coupling in the Theory of Atomic Spectra. Page 110
- Everett, T. Stephen, Grignard Synthesis of Various Tertiary Alcohols. Page 86
- Fang, Chin-Hsiang, A Simplified Determination of Percent Oxygen in Air. Page 58
- From Past Issues: The More Things Change. Page 2
- Gallet, Christian, Problem-Solving Teaching in the Chemistry Laboratory: Leaving the Cooks... Page 72
- Hambly, Gordon, "Mud" + "Blood" - A Very Colorful Demonstration. Page 56
- Harris, Daniel C., Nonlinear Least-Squares Curve Fitting with Microsoft Excel Solver. Page 119
- Haworth, Daniel T., Some Linguistic Detail on Chelation. Page 47
- Heinhorst, Sabine, Cannon, Gordon, Reports from Other Journals: Report from Nature. Page 20
- Herman, Carolyn, Inserting an Investigative Dimension into Introductory Laboratory Courses. Page 70
- Herrera, Antonio, Almy, John, Notes on Converting to Microscale. Page 83
- Hicks, Gary, A Chemical Technology Program Partnership. Page 18
- Hilosky, Alexandra, Sutman, Frank, Schmuckler, Joseph, Is Laboratory-Based Instruction in Beginning College-Level Chemistry Worth the Effort and Expense. Page 100
- Howell, J. Emory, Especially for High School Teachers. Page 9
- Hughes, Jeffrey G., Thermochromic Solids. Page 57
- Hur, Chinhyu, Solomon, Sally, Wetzell, Christy, Demonstrating Heat Changes on the Overhead Projector with a Projecting Thermometer. Page 51
- In This Issue: Celebrating 75 Years! Page 3
- JCE Classroom Activity: #5. Charge It! An Activity with Electricity. Page 80A
- Kimbrough, Doris R., Heat Capacity, Body Temperature, and Hypothermia. Page 48
- Kohli, Manu, Luck, Rudy L., Ohtamaa, Veka, The Source of the Cloud Produced upon Adding Dry Ice to Water. Page 60
- Koubek, Edward, Acid-Base Chemistry of the Aluminum Ion in Aqueous Solution. Page 60
- Liu, Daonian, Walter, L. James, Brooks, David W., Delivering a Chemistry Course over the Internet. Page 123
- Ma, Ngai Ling, Tsang, C. W., Curve-Fitting Approach to Potentiometric Titration Using Spreadsheet. Page 122
- Manger, F. M., Zana, R., Lindman, B., Portraying the Structure of Micelles. Page 115
- McKelvy, George M., Flame Tests That Are Portable, Storable, and Easy To Use. Page 55
- McNaught, I. J., A Modified Hydrogen/Oxygen Balloon Demonstration. Page 52
- Moore, John W., Editorial: The More Things Change the More They Stay the Same. Page 7
- Peckham, Gavin D., The Electromotive Series and Other Non-Absolute Scales. Page 49
- Rasp, Sharon L., Toward More Performance Evaluation in Chemistry. Page 64
- Schatz, Paul F., Anniversaries: 1998. Page 23
- Seaborg, Glenn T., The Journal Celebrates! Viewpoints: Chemists on Chemistry. Page 13
- Silveira Jr., Augustine, Knopp, Michael A., Kim, Jhong, Thermodynamically and Kinetically Controlled Enolates: A Project for a Problem-Oriented Laboratory Course. Page 78
- Silverstein, Todd P., The Real Reason Why Oil and Water Don't Mix. Page 116
- Sudlow, K. P., Woolf, A. A., What Is the Geometry at Trigonal Nitrogen? Page 108
- Towns, Marcy Hamby, How Do I Get My Students To Work Together? Getting Cooperative Learning Started. Page 67
- Treptow, Richard S., Luckner, Jean, The Iron Blast Furnace: A Study in Chemical Thermodynamics. Page 43
- Van Stam, Jan, Depaemelaere, Sigrid, De Schryver, Frans C., Micellar Aggregation Numbers-A Fluorescence Study. Page 93
- Zare, Richard N., Commentary: Changing the Federal-University Partnership. Page 16

**Journal of College Science Teaching
Volume 27, number 3, December
1st 1997**

- Caprio, M. W., Micikas, Lynda, The Two-Year College. Page 217
- Davis, Larry E., SCST. Page 171
- Didion, Catherine Jay, Women in Science. Page 173
- Ehrlich, Robert, Dworzecka, Maria, On the Road to Damascus-Technology, Fear, and Fear of Technology. Page 179
- Epstein, Jerome, Cognitive Development in an Integrated Mathematics and Science Program. Page 194
- Glasson, George E., McKenzie, Woodrow L., Investigative Learning in Undergraduate Freshman Biology Laboratories. Page 189
- Herreid, Clyde Freeman, The Case Study. Page 163
- Kandel, Marjorie, Point of View. Page 174
- Kauffman, George B., Barot, Bal, Letters. Page 158
- Keating, Joseph, Ihara, Jeffrey, An Integrated Content/Process Approach to Teaching Science to Elementary Teachers. Page 183

- Knabb, Maureen T., Creating a Research Environment in an Introductory Cell Physiology Course. Page 205
- Paldy, Lester G., Editorial. Page 157
- Shmaefsky, Brian R., Kauffman, George B., Kauffman, Laurie M., Instructional Media. Page 165
- Sinclair, Anne, Pendarvis, Murray Patton, Research and Teaching. Page 167
- Stewart, Martin, Finding Science, Past and Present. Page 222

Higher Education Review

Volume 30, number 1, Fall 1997

- Dearlove, John, The academic labour process: from collegiality and professionalism to managerialism and proletarianisation. Page 56
- Editorial: Missing the millenium. Page 3
- Evans, Linda, Making a epistemological case for a continued role in initial teacher education; the challenge for higher education in England and Wales. Page 20
- Mason, Selena, Books: Not indeed sans reproche. Page 81
- Sper, Paul, Note from North America: Kleinrock. Page 76
- Swann, Joanna, How can we make better plans? Page 37
- Tonks, David, Clarkson, Sonia, A geodemographic analysis of degree performance. Page 5
- Westcott, Emma, Selected annotated list of books received. Page 91

International Journal of Science Education

Volume 19, number 8, September 1st, 1997

- Aiello-Nicosia, M. L., Balzano, E., Violino, P., Teaching mechanical oscillations using an integrated curriculum. Page 981.
- Banerjee, Anil C., Vidyapati, T. J., Effect of lecture and cooperative learning strategies on achievement in chemistry in undergraduate classes. Page 903

- Dove, Jane, Student ideas about weathering and erosion. Page 971
- Fairbrother, Robert, Hackling, Mark, Is this the right answer? Page 887
- Heywood, D., Parker, J., Confronting the analogy: primary teachers exploring the usefulness of analogies in the teaching and learning of electricity. Page 869
- Keys, Carolyn W., An investigation of the relationship between scientific reasoning, conceptual knowledge and model formulation in a naturalistic setting. Page 957
- Loughran, John, Derry, Nick, Researching teaching for understanding: the students' perspective. Page 925
- Preece, Peter F. W., Brotherton, Peter N., Teaching science process skills: long-term effects on science achievement. Page 895
- Rutherford, Margaret, Working memory revisited: can we use it to select science students? Page 939
- Sprod, Tim, 'Nobody really knows': the structure and analysis of social constructivist whole class discussions. Page 611

Research in Higher Education

Volume 38, number 5, OCT 01 1997

- Chatman, Steve, Lower-Division Class Size at U.S. Postsecondary Institutions. Page 615
- Eppler, Marion A., Harju, Beverly L., Achievement Motivation Goals in Relation to Academic Performance in Traditional and Nontraditional College Students. Page 557
- Liberatore, Matthew J., Nydick, Robert L., Group Decision Making in Higher Education Using the Analytic Hierarchy Process. Page 593
- Perry, Raymond P., Menec, Verena H., Menges, Robert J., Faculty in Transition: A Longitudinal Analysis of the Role of Perceived Control and Type of Institution in Adjustment to Postsecondary Institutions. Page 519

- Schmelkin, Liora Pedhazur, Spencer, Karin J., Gellman, Estelle S., Faculty Perspectives on Course and Teacher Evaluations. Page 575

The Science Teacher

Volume 64, number 9 DEC 01 1997

- Bardell, David, The Tobacco Mosaic Virus. Page 26
- Danna, Stephen, A Winning Formula. Page 44
- Eyster, Linda S., A Comprehensive Rubric. Page 18
- Hildreth, David P., Matthews, Catherine E., Get a Kick Out of Physics. Page 34
- Jaffe, Dan, Griffin, Dale, Ricker, Janet, Analyzing Cigarette Smoke. Page 29
- Pittman, Kim, Digital Dinosaur Discoveries. Page 22
- Stein, Scott, Stream Studies. Page 48
- Warren, Michael D., DNA Dynamics. Page 37
- Wetzel, David, Independent Student Research. Page 40

The Science Teacher

Volume 65, number 1 January 1st 1998

- Clemens-Walotka, Bernadette, Amusement Park Inquiry. Page 20
- Cummings, Lynda and Winston, Michael. Service-based Solutions. Page 39
- Harmelink, Kimberly, Learning the Write Way. Page 36
- Noll, Ellis, Koehlinger, Mervin and Swackhamer, Gregg. Investigating Coulomb's Law. Page 46
- Rioseco, Marilu, Romero, Ricardo and Pedersen, Jon E., Warming Up to Physics. Page 24
- Sumrall, William J., Aluminum Analysis. Page 32
- Traver, Rob, The Lives of Scientists. Page 42
- Williams, Carrie Wehmann and Hounshell, Paul B., Enabling the Learning Disabled. Page 29