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New Science and Technology Journals

Earl Mounts

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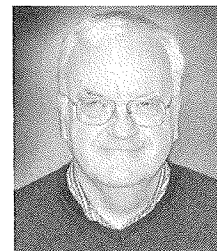
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New Science and Technology Journals

Earl Mounts



Basins and Coasts News. USAID. v.1, 2006. 2/year. Free. <http://www.imcafs.org/coastsheds/index.php>

Basins and Coasts News, a publication of USAID's Integrated Management of Coastal and Freshwater Systems (IMCAFS), is aimed at helping practitioners working in coastal watersheds to improve their understanding of the issues, discover new approaches and concepts, and gain insight through case studies prepared by their peers. Primary focus is on the global need to incorporate allocations of freshwater to river and marine ecosystems into decisions about water resource use.

Clay Technology. IOM Communications Ltd. no.1, 2006. 6/year. £150.00. <http://www.iom3.org/claytechnology/>

Clay Technology, is the magazine of ICTA, the International Clay Technology Association, an association operating within the Institute of Materials, Minerals and Mining (IOM3). ICTA was formed as a result of a merger between the Institute of Clay Technology (ICT) and IOM3 in 2006. The magazine focuses on clay products such as tiles, pipes, and bricks; innovative use of heavy clay products; and people within the industry. It includes features, news from the industry, economic updates and event previews. Each issue covers a specific subject such as drying, the future of brick, energy conservation, clay paving, and roofing.

Ecohydrology. 1936-0584. Wiley. v.1, 2008. 8/year. <http://www.wiley.com/WileyCDA/WileyTitle/productCd-ECO.html>

Ecohydrology is an international journal publishing original scientific and review papers that aim to improve understanding of processes at the interface between ecology and hydrology and associated applications related to environmental management. *Ecohydrology* emphasizes interactions and associated feedbacks in both space and time between ecological systems and the hydrological cycle. Research contributions are solicited from disciplines focusing on the physical, ecological, biological, biogeochemical, geomorphological, drainage basin, mathematical and methodological aspects of ecohydrology. Research in both terrestrial and

aquatic systems is of interest provided it explicitly links ecological systems and the hydrologic cycle. The journal also publishes research on new instrumentation and techniques if they describe truly new and significant advances in methodology that can be broadly applied to the ecohydrological understanding and management of environmental systems.

Global Water News. Global Water System Project. No.1, 2005. Irregular. Free. <http://www.gwsp.org/products.html>

Global Water News, published by the Global Water System Project, an initiative of the Earth Science System Project, presents a systems approach to global change studies of the global water system. Articles include "A New Assessment of World Water Resources and Their Ecosystem Services," "Green Water – Conceptualizing Water Consumed by Terrestrial Ecosystems," and "Freshwater Resources of Africa: Major Issues and Priorities."

Innovation, Science, Environment. McGill-Queen's University Press. 2006/07. Annual. \$80.00. http://mqup.mcgill.ca/book_list.php?series=63&records=20&thumbnails=no

This annual volume provides informed commentary about and assessment of Canadian and related comparative innovation, science, and environment (ISE) policies and institutions. Initiated by the Carleton Research Unit on Innovation, Science, and Environment (CRUISE) in the School of Public Policy and Administration, it is aimed at interested and informed Canadians involved in or affected by this crucial realm of Canadian policy, politics, and governance. The series involves academics from a variety of disciplines, doctoral students doing advanced research in the ISE field, and knowledgeable practitioners from the public and private sectors.

International Journal of Surface Science and Engineering (IJSurfSE). 1749-785X. Inderscience. v.1, 2007. 4/year. €510.00. <http://www.inderscience.com>.

The objective of *IJSurfSE* is to disseminate

knowledge between academics/researchers and industry practitioners. Because of the multiscale nature of surface science and engineering, *IJSurfSE* will provide a forum for cross-scale investigations into the property, integrity and durability of surfaces and subsurfaces of advanced elements. Topics include surface characterization and metrology; friction and wear, including mechanisms, modeling, characterization, measurement and testing; interface temperatures of sliding surfaces; coatings and surface treatments; tribology of composite materials: metallic, polymeric and ceramic; nanoscale tribology; and special surfaces such as those for high-performance lenses.

International Journal of Sustainable Design (IJSDes). 1743-8284. Inderscience. v.1, 2008. 4/year. €510.00. <http://www.inderscience.com>.

IJSDes is a multidisciplinary journal that focuses on the theoretical and practical aspects of sustainable design. It aims to establish an effective channel of communication between design experts in academic and research institutions, professionals working in industry and related businesses, and government agencies and policy-makers concerned with sustainability issues in design. The international dimension of the journal is emphasized in order to overcome cultural and national barriers and to meet the needs of accelerating technological and ecological change and changes in the global economy. In addition, the journal allows researchers, practitioners and decision-makers to monitor and identify design strategies, solutions and trends on a global scale. Topics covered include sustainable design strategies and innovation, eco-design, life cycle design and life cycle assessment (LCA), user-centered design and co-design, virtual design and e-design, design ethics and sustainability, design of renewable and alternative energy systems, and sustainable design and materials selection.

Journal of Fuel Cell Science and Technology. 1550-624X. American Society of Mechanical Engineers. v.1, 2004. 4/year. \$300.00. <http://catalog.asme.org/Journals>

The *Journal of Fuel Cell Science and Technology* provides the research, development, and applications community with a forum for archival research and development information on all aspects of the science, engineering, and

associated technology concerned with fuel cells of all types. Topics include: development of constituent materials (metal, ceramic, polymer and bio-based); joining, bonding, connecting, interface/interphase regions and seals; cell design; processing and manufacturing; thermal and water management; multi-scale modeling; aging, durability and damage tolerance, reliability, optimization and control; transport and infrastructure; and fuel cell applications, infrastructure and commercialization.

Journal of Informetrics. 1751-1577. Elsevier. v.1, 2007. 4/year. \$425.00. <http://www.elsevier.com>.

Journal of Informetrics (JOI) publishes refereed articles on fundamental quantitative aspects of information science. The journal, although limited to metrics aspects, has a broad scope. In principle, all quantitative analysis of original problems in information science are within the scope of *JOI*. Besides its generality, the journal focuses on papers describing fundamental methods and theories and/or universally important data, gathered in a non-trivial way. Fundamental methods comprise mathematical, probabilistic or statistical models and techniques as well as methods in operational research. These methods can serve the quantitative explanation of certain phenomena, evaluation of information and its producers as well as the management of libraries and other information centres. *Journal of Informetrics* also publishes papers that improve standardization in informetrics. In general the journal aims to contribute to increasing the degree of "hardness" of the field, and to increase the degree of "exactness" of the scientific field of informetrics. Specific topics include informetric laws, modelling generalized bibliographies, aspects of inequality or concentration and diffusion, citation theory, linking theory, evaluation techniques for scientific output, library management, graph-theoretic and topological analysis of networks, and visualization and mapping of science.

Plant Mutation Reports. 1011-260X. Joint FAO/IAEA Division of Nuclear Techniques in Food and Agriculture and FAO/IAEA Agriculture and Biotechnology Laboratory. v.1, 2006. 2/year. Free. <http://www-pub.iaea.org/MTCD/publications/Newsletter.asp?id=130>.

Plant Mutation Reports is a free newsletter that reports on the following fields of plant research:

(1) DNA damage, repair and mutagenesis; (2) insertion mutagenesis; (3) experimental mutagenesis with artificial mutagens; (3) crop breeding and genetics with induced mutations; (4) genomics and molecular genetics of induced mutations; (5) mutational analysis and mutant germplasm. Recent articles include "Development of Three Groundnut Varieties with Improved Quantitative and Qualitative Traits through Induced Mutation," "Genetic

Improvement of Long Grain Aromatic Rices through Mutation Approach," and "Development of Photoperiod Insensitive Mutant Lines Using Gamma Irradiation of Traditional Aromatic Rice."❖

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