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New Science and Technology Journals

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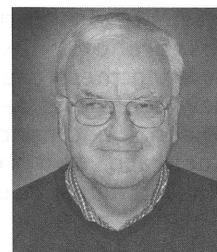
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Ad Hoc Networks. 1570-8705. Elsevier. v.1, 2003. 4/year. \$339.00. <http://www.sciencedirect.com/science/journal/15708705>

Ad Hoc Networks is an international and archival journal providing complete coverage of all topics of interest to those involved in ad hoc and sensor networking areas. Specific areas of interest include mobile and wireless ad hoc networks, sensor networks, wireless local and personal area networks, home networks, ad hoc networks of autonomous intelligent systems, novel architectures for ad hoc and sensor networks, self-organizing network architectures and protocols, transport layer protocols, routing protocols (unicast, multicast, geocast, etc.), media access control techniques, error control schemes, synchronization and scheduling issues, mobility management, mobility-tolerant communication protocols, location tracking and location-based services, resource and information management, security and fault-tolerance issues, experimental and prototype results, quality-of-service issues, cross-layer interactions, scalability issues, and performance analysis and simulation of protocols.

Applied Herpetology. 1570-7539. Editor-in-Chief: M.R.K. Lambert. VSP. v.1, 2003. 4/year. \$230.00. <http://www.vsppub.com/journals/jn-AppHer.html>

Applied Herpetology is an international journal addressing research on amphibians and reptiles in relation to humans and therefore focusing on natural products development, farming, ethnobiology, biodiversity and environmental monitoring, conservation and wildlife management. A main objective of the journal is to enhance communication between academic scientists and researchers in industry, governmental bodies, international agencies and others involved in applied research involving herpetofauna.

Applied Numerical Analysis and Computational Mathematics (ANACM). 1611-8170. Editor-in-Chief: T.E. Simos. Wiley. v.1, 2004. 2/year. <http://www3.interscience.wiley.com/cgi-bin/jabout/106571062/edbd.html>

ANACM is the official publication of the European Society of Computational Methods in Science and Engineering. It is a multidisciplinary journal devoted to all fields of numerical analysis and computational mathematics with a special focus on applications

in science and engineering. The journal publishes peer-reviewed papers just six months after submission. In its first year, *ANACM* will mainly publish conference proceedings supplemented by invited papers. In a second step, the journal will support research by providing review articles, original contributions, letters, description of numerical software, and book reviews.

Body Image. 1740-1445. Editor-in-Chief: T.F. Cash. Elsevier. v.1, 2004. 4/year. \$300.00. <http://www.elsevier.com/locate/bodyimage>

Body Image is an international peer-reviewed journal that publishes articles on body image and human physical appearance. Body image is a multifaceted concept that refers to persons' perceptions and attitudes about their own body, particularly but not exclusively its appearance. Topics covered include the effects of body image and physical characteristics (e.g., body size, attractiveness, physical disfigurements or disorders) on psychological functioning, interpersonal processes, and quality of life; body image and physical appearance in diverse cultural contexts; factors that influence positive and negative body image development; and scientific evaluation of interventions to promote positive body image or to prevent or treat body image difficulties and disorders.

Chemistry and Biodiversity. 1612-1872. Editors: M.V. Kısakürek and B. Testa. Wiley. v.1, 2004. 12/year. \$498.00. <http://www3.interscience.wiley.com/cgi-bin/jhome/106056929>

Biodiversity has become a blockbuster paradigm of modern civilization, and very rightly so. How can chemistry possibly contribute to the understanding of biodiversity? The *raison d'être* of this journal is to reveal what links chemistry and biodiversity and to demonstrate how chemistry can contribute to our understanding of biodiversity with the ultimate goal to benefit from nature and to preserve it. *Chemistry and Biodiversity* is intended to publish work on all aspects of biodiversity studied at the molecular and macromolecular levels.

Digital Investigation. 1742-2876. Editor-in-Chief: E. Casey. Elsevier. v.1, 2004. 4/year. \$650.00. <http://www.compseconline.com/digitalinvestigation/>

As cyber-criminals become more sophisticated at covering their tracks, developments in digital

forensics are critical. At an international level, researchers, investigators, and lawyers are meeting these challenges by developing innovative new tools and techniques for collecting elusive evidence and handling increasingly complex cases. Accurate and repeatable results in digital investigations in corporate, criminal, and military settings need improved methods and tools to process evidence from a wide range of technologies including open, embedded, and telecommunications systems. Topics include tailoring of "agreed upon" principles into procedures that can be easily implemented for conducting network, computer and software forensics, to build a corroborated chain of evidence; methods and tools for conducting effective digital investigations; and legislative developments and limitations, new defenses, and privacy.

IEE Proceedings Nanobiotechnology. 1478-1581. Editors-in-Chief: J. Cooper and J. Ryan. IEE. v.150, 2003. 6/year.

<http://www.iee.org/Publish/Journals/ProfJourn/Proc/NBT/Index.cfm>

Nanobiotechnology involves the processing, fabrication and packaging of organic or biomaterial devices or assemblies in which the dimension of at least one functional component lies between atomic lengths and the wavelength of visible light. *IEE Proceedings Nanobiotechnology* covers all aspects of this emerging science especially relating to the interactions between biomolecules and biomolecular assemblies with electronic structures or materials. Specific topics covered include bottom up and top down fabrication of nanoscale structures and devices (including biological sensors, actuators and machines) using such techniques as hard and soft lithography, directed or self assembled systems and biomimetics; the study of fluids at the nanoscale, including the interaction and behavior of gases and liquids at or within biological nanostructures, particularly in the context of the structure of water at biological interfaces; nanoparticles and quantum dots for biotagging or barcoding within biological systems; and novel nanostructured biomaterials including new biopolymers, biomolecular wires, Langmuir-Blodgett constructs and nanotubes.

International Journal of Applied Ceramic Technology. 1546-542X. Editor-in-Chief: H.T. Lin. American Ceramic Society. v.1, 2004. 4/year. \$190.00. <http://www.ceramics.org/act/default.asp>

This new quarterly periodical provides the most recent information on ceramic product development and commercialization for engineers, manufacturers, and research and development scientists. Each issue focuses on a high-interest, high-impact topic plus a range of papers detailing applications of ceramics. Featured topics for

upcoming issues include fuel cells, nanotechnology, ceramic armor, ceramic matrix composites, and green technology.

International Journal of Green Energy. 1543-5075. Editor: X. Li. Dekker. v.1, 2004. 4/year. \$595.00. <http://www.dekker.com/servlet/product/productid/GE>

The *International Journal of Green Energy*, official journal of the Association of Energy Engineers, is devoted to the advancement of the science and technology of energy, energy technology, energy utilization, the growing impact of energy use on the environment, and related subjects. The journal publishes a wide range of original, peer-reviewed research papers and critical reviews of recent research that deal with the analytical, numerical, and experimental investigations of all aspects of energy and energy technologies, ranging from fundamentals to practical applications, from energy resources to energy consumption and the consequence of energy use. Topics include environmentally friendly energy technologies, such as fuel cells, batteries, solar energy, wind power, hydropower, geothermal energy, and tidal wave power; advanced technologies for energy conversion and power generation including low and ultra low emission combustion technology, hybrid engines such as gasoline-electric, diesel-electric, as well as emission control and cleanup technologies; natural and alternative sources of energy such as petroleum, biofuels, waste disposal and management; and green power production.

Journal of Aerospace Computing, Information, and Communication. 1542-9423. Editor-in-Chief: L.N. Long. American Institute of Aeronautics and Astronautics. v.1, 2004. Published continuously. \$380.00. <http://www.aiaa.org/publications/index.hfm?pub=5&lpublicationid=127>

This journal is devoted to the applied science and engineering of aerospace computing, information, and communication. Original archival research papers are sought which include significant scientific and technical knowledge and concepts. The journal publishes qualified papers in areas such as real-time systems, computational techniques, embedded systems, communication systems, networking, software engineering, software reliability, systems engineering, signal processing, data fusion, computer architecture, high-performance computing systems and software, expert systems, sensor systems, intelligent systems, and human-computer interfaces. Articles demonstrate the application of recent research in computing, information, and communications technology to a wide range of practical aerospace engineering problems. The journal includes letters, papers, and invited surveys. All articles will be peer reviewed by the Editorial Board to allow rapid dissemination. The journal will be electronic only

(published continuously) and will include multimedia content such as videos, audio, and Web links.

Journal of Natural Fibers. 1544-0478. Editor-in-Chief: R. Kozlowski. Haworth Press. v.1, 2004. 4/year. \$160.00.

<http://www.haworthpress.com/store/product.asp?sid=RUNETC1TXW7L9G4MM6FJGEVEVRTU9VK3&sku=J395&AuthType=2>

The *Journal of Natural Fibers* presents new achievements in basic research and the development of multi-purpose applications that further the economic and ecologic production of hard fibers, protein fibers, seed, bast, leaf, and cellulosic fibers. The journal examines new processing methods and techniques, new trends and economic aspects of processing natural raw materials, sustainable agriculture and eco-friendly techniques that address environmental concerns, the efficient assessment of the life cycle of natural fiber-based products, and the natural reclamation of polluted land. The journal is a resource for scientists, researchers, consultants, and academics working with research and development institutes,

and agriculture and textile universities as well as producers and processors of lignocellulosic fibers, natural silk, and wool, and anyone working in the textile, geotextile, automotive, pharmaceutical, cosmetic, building, and food industries.

TMS Letters. Editor: D. Thoma. TMS. v.1, 2004. Free to TMS members. <http://www.tms.org/pubs/journals/TMSLetters/TMSLetters.html>

TMS Letters is a unique technical journal that presents cutting-edge research in succinct, informative technical updates. The peer-reviewed journal will be available exclusively online through the TMS Document Center and will be accessible free of charge to all TMS members as a benefit of membership (nonmembers may subscribe for a fee). *TMS Letters* will be composed entirely of two-page technical updates, including text and graphics, of research presented at TMS meetings that are not published in any other book or journal. The first issue of *TMS Letters* will consist exclusively of technical updates presented at the 2004 TMS Annual Meeting to be held March 14–18, 2004.