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New Science and Technology Journals

Earl Mounts

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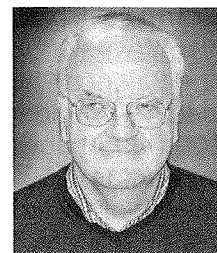
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AeroSafety World. 1931-6135. Flight Safety Foundation. v.1, 2006. Monthly. \$350.00. http://www.flightsafety.org/asw_home.html

AeroSafety World continues the Flight Safety Foundation's tradition of excellence in aviation safety journalism stretching back more than 50 years. The new full-color monthly magazine, initially called Aviation Safety World when it was launched in July 2006, offers in-depth analysis of important safety issues facing the industry, along with several new departments and a greater emphasis on timely news coverage. While *AeroSafety World* has taken the place of the seven newsletters the Foundation used to produce, the archives remain active and back issues of the newsletters are still available.

Bibliologia. 1824-7733. Istituti editoriali e poligrafici internazionali. v.1, 2006. Annual. €80.00. <http://www.libraweb.net/riviste.php?chiave=84&h=425&w=300>

The book, in its double nature as a physical object and a textual content, although challenged by increasingly wide-spread and effective communication tools, has never disappeared as had been divined by some early prophets of doom. The focus of *Bibliologia* remains the book, in its physical form, that--from one metamorphosis to the next--extends from the papyrus of the scroll and from the parchment of the codices to the bits of the e-book. The bibliologists' attention has so far been focused more upon ancient printed books, hand pressed in the first three centuries after the invention, leaving to one side the industrial, although still fully typographical, book produced in the last two centuries. Today, the introduction of new digital procedures in typesetting and printing processes seems bound to place in a fully defined time the entire rise and fall of the printed book. It is with these objects and in accordance with these beliefs that *Bibliologia, an International Journal of Bibliography, Library Science, History of Typography and the Book* is set.

Biomicrofluidics. 1932-1058. American Institute of Physics. v.1, 2007. 4/year. <http://bmf.aip.org/bmf/about.jsp>

Biomicrofluidics is an online open-access journal whose aim is to rapidly disseminate novel microfluidic techniques with diagnostic, medical, biological, pharmaceutical, environmental, and chemical applications. Research areas include DNA and molecular manipulation, immuno-colloid and genetic probe control, rapid particle analyzers and counters, microfluidics and nanofluidics, wetting and nano-rheology, drop and digitated platforms, electrokinetics and magnetohydrodynamics, pathogen and molecular concentration, and separation and sorting devices.

Climate of the Past. 1814-9324. European Geosciences Union by Copernicus. v.1, 2005. €240.00. <http://www.copernicus.org/EGU/cp/>

Climate of the Past is dedicated to the publication and discussion of research articles, short communications and review papers on the climate history of the earth. The main subject areas are: reconstructions of past climate based on instrumental and historical data as well as proxy data from marine and terrestrial (including ice) archives; development and validation of new proxies; improvements of the precision and accuracy of proxy data; theoretical and empirical studies of processes in and feedback mechanisms between all climate system components in relation to past climate change on all space and time scales; simulation of past climate and model-based interpretation of paleo climate data for a better understanding of present and future climate variability and climate change. *CP* follows the innovative two-stage publication concept of the EGU which involves a forum to foster scientific discussion, enhance the effectiveness and transparency of scientific quality assurance and enable rapid publication.

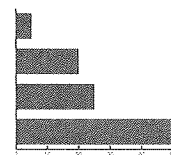
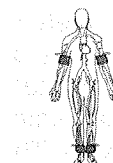
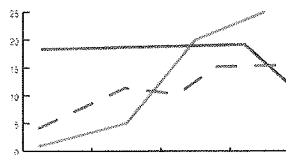
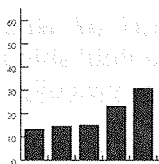
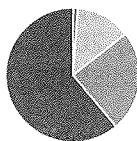
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European Journal of Sport Science. 1746-1391. Taylor & Francis. v.1, 2001. 4/year. \$295.00. <http://www.tandf.co.uk/journals/titles/17461391.asp>

The *European Journal of Sport Science (EJSS)*, the official journal of the European College of Sport Science, pursues the multidisciplinary aims of the College to promote the highest standards of scientific study and scholarship in the following fields: natural sciences of sport; social and behavioral sciences and humanities; sports medicine; and sport itself. The *Journal* also aims to facilitate and enhance communication across all sub-disciplines of the sport sciences. For the purposes of the *EJSS*, 'sport' is defined inclusively to refer to all forms of human movement that aim to maintain or improve physical and mental well-being, create or improve social relationships, or obtain results in competition at all levels. The *Journal* publishes articles from across the disciplinary spectrum concerning inter alia the motivation, attitudes, values, responses, adaptations, performance and health-related aspects of persons engaged in sport.

Innovations in Incidence Geometry. 1781-6475. Academia Press. v.1, 2005. 2/year. €25.00. <http://www.iig.ugent.be/index.php>

Innovations in Incidence Geometry is an international journal founded by the research group Incidence Geometry, Ghent University, and published by the scientific publisher Academia Press, Ghent. The journal publishes original research papers of the highest quality about all aspects of incidence geometry. These include finite geometry, projective and affine planes, generalized polygons and other rank 2 geometries, geometry of groups, Galois geometry, finite algebraic geometry, incidence geometric aspects of algebraic combinatorics, and topological incidence geometry.

International Journal of Humanoid Robotics (IJHR). 0219-8436. World Scientific. v.1, 2004. 4/year. \$326.00. <http://www.worldscinet.com/ijhr/ijhr.shtml>

In recent years, we have witnessed a rapid growth in not only the theory, but also the development and application of advanced robots, such as the humanoid robot. Traditionally, robotics R&D focused first on mechanics, modeling, planning, and control. Today, however, it is necessary to study both the artificial body

and artificial mind at the same time. Thus, the humanoid robot seems an adroit platform to investigate mind-body interaction, or psychosomatic engineering, which also includes artificial psychology, and the science of learning. *IJHR* includes research articles, which address relevant areas contributing to both the mental and physical development of advanced robots; reviews which describe, in non-technical terms, the latest in basic theories, principles, and algorithmic solutions; short articles which discuss the latest significant achievements and future trends in robotics R&D; papers on curriculum development in humanoid robot education; and book reviews.

Journal of Green Building. 1552-6100. College Publishing. v.1, 2006. 4/year. \$389.00. <http://www.collegepublishing.us/journal.htm>

Topics of interest for this journal span the whole scope of the green building domain. These include indicators of sustainability for built facilities and infrastructure systems; mathematical and systems modeling of facilities and infrastructure performance; integrated design and facility life cycle methods and practices; innovation and performance modeling for mechanical systems, building envelopes, lighting, and other key facility systems; green building materials and structural innovations; building science, energy performance, and indoor environmental quality issues; alternative project delivery methods; information architectures for facilities data related to green building; impacts of facilities on human performance; life cycle analysis and assessment methodologies and models; energy systems conservation and generation; water, stormwater, and wastewater systems; historic preservation; the built environment as industrial ecosystem; sustainability and security in facility and infrastructure design; prevention and sustainable mitigation of mold and other building hazards; economics of green building and cost models/methods; decision making and management of tradeoffs in green building projects; research and education needs to support sustainability implementation; and emerging technologies for sustainable facilities and infrastructure.

Journal of Mechanics of Materials and Structures. 1559-3959. University of California, Berkeley Mathematical Sciences Publishers. v.1, 2006. Monthly. \$500.00. <http://pjm.math.berkeley.edu/jomms/about/cover/cover.html>

This journal has as its objective the publication and wide electronic dissemination of innovative and consequential research in mechanics of materials and deformable structures of all types. Analytical, computational, and experimental results must serve to clarify physical phenomena that typically involve small or large deformation states. Methods that can be generalized to a wider class of problems are encouraged. Drawing from all areas of engineering, materials, and biology, the mechanics of solids, materials, and structures is experiencing considerable growth in directions not anticipated a few years ago, which involve the development of new technology requiring multidisciplinary simulation. The journal stimulates this growth by emphasizing fundamental advances that are relevant in dealing with problems of all length scales. Of growing interest are the multiscale problems with an interaction between small and large scale phenomena.

Journal of Physical Chemistry C (Nanomaterials and Interfaces). 1932-7447. American Chemical Society. v.111, 2007. <http://pubs.acs.org/journals/jpccck/index.html>

The *Journal of Physical Chemistry C (Nanomaterials and Interfaces)* publishes original experimental and basic research targeted to scientists in physical chemistry of nanoparticles and nanostructures; surfaces, interfaces, catalysis; electron transport, optical and electronic devices; and energy conversion and storage. Recent articles include; "Theoretical study on the structural, energetic, and optical properties of ZnS nanotube;" "Anchoring a liquid crystal molecule on a single-walled carbon nanotube;" "Thermal evolution of a platinum cluster encapsulated in carbon nanotubes;" and "Growth of different nanostructures of Cu₂O (nanothreads, nanowires, and nanocubes) by simple electrolysis based oxidation of copper."

Macromolecular Reaction Engineering. 1862-832X. Wiley. v.1, 2007. 6/year. \$2,885.00. <http://www3.interscience.wiley.com/cgi-bin/jhome/112631995>

This journal publishes results of research from the entire field of polymer reaction engineering and serves as a forum for discussion and dissemination of emerging technologies and scientific advancements in the area of reaction engineering applied to polymerization reactors. The journal aims to be one of the main reference sources for researchers in the area of polymer reaction modeling, reactor optimization and control. It extends the scope of the high-quality macromolecular journals by emphasizing polymer reaction engineering as a crucial component in the development and improvement of polymeric materials.

Proceedings of the Institution of Civil Engineers. Construction Materials. 1747-650X. Institution of Civil Engineers. v.159, 2006. 4/year. http://www.ice.org.uk/services/services_journals.asp

Construction Materials provides original research and practice papers on the procurement, specification, application, development, performance and evaluation of all materials used in construction and civil engineering. Classes of materials covered include metals, timber, glass, ceramics, cement, concrete, bricks, terracotta, stone, finishes, rubber, plastic, sealants, adhesives, bitumen and fabrics as well as innovative and recycled materials. All aspects of a material's lifecycle are addressed including embodied energy, environmental impact, service life, refurbishment, recycling and reuse. Recent articles include Effect of additives on performance of asphalt mixtures; Chloride ion penetration in bridge deck concrete; Performance of helically shaped metal fasteners in timber; and Sustainable timber procurement.

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