

FLTC/FSQC

FACULTY OF SCIENCE AND ENGINEERING

MAY 2016

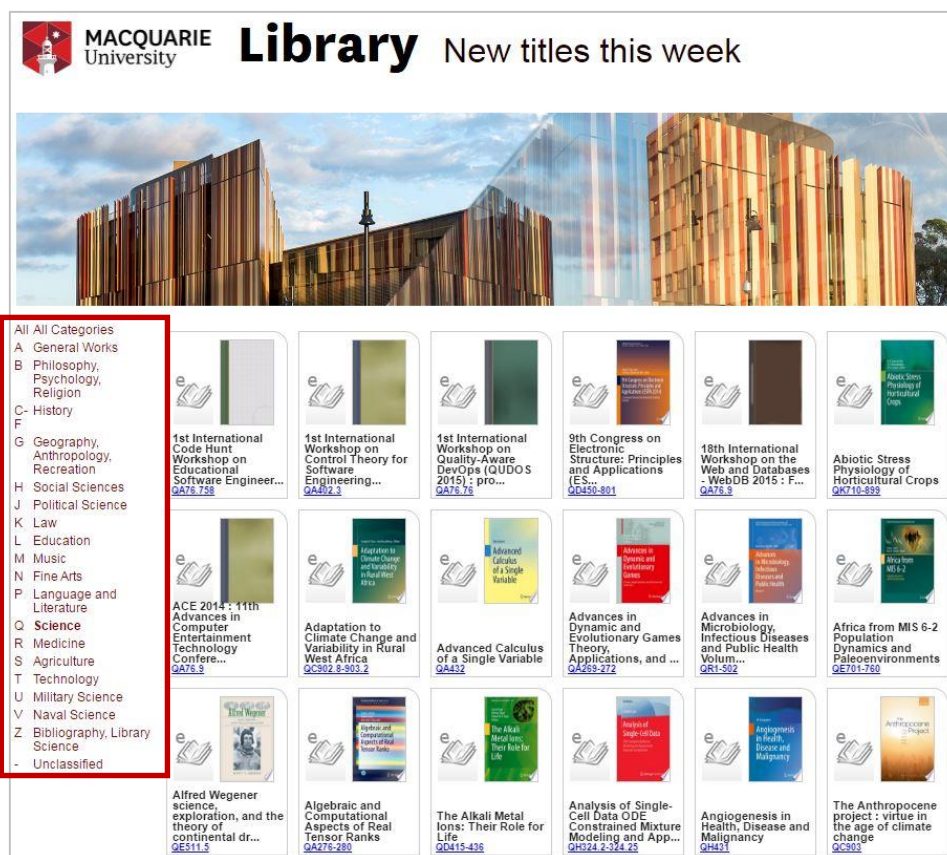
Library Services

MultiSearch New Titles Display

The Library has developed a new MultiSearch feature which allows you to view New Titles. To view New Titles for the week click the New Titles link available towards the top right of the screen.



Clicking on the New Titles link will open a new tab to display all recent acquisitions for the week. You can filter the full set of titles by using one of the broad Library of Congress Classification headings on the left hand side of the page.



Coming Soon: An Improved Interlibrary Loans Service

On the 25th July 2016 we will be introducing a new improved service for the requesting and delivery of interlibrary loans.

The new service is integrated with MultiSearch and you will no longer need to use a separate search portal to request and receive/view items.

Benefits of the new service include:

- single sign-on for requests;
- simpler request forms; and
- the use of MultiSearch's MyLibrary feature to view and track progress of your requests.

The Library is focusing on minimising disruption but some minor delays in delivery may occur during the changeover period.

More information will be available soon. If you have any immediate questions or concerns please contact your [Research Librarians](#) or use the Ask Us form at:

https://ask.mq.edu.au/account/pub/display/library_interaction

Collections

New Databases

WebCSD

Description: WebCSD provides an online interface to Cambridge Structural Database (CSD) without the need to install client software. It contains published crystallographic data on organic, organometallic, and metal complex structures whose 3D structures have been determined using X-ray diffraction or neutron diffraction.

Features of WebCSD include:

- Substructure searching;
- Similarity searching;
- Text/numeric searching (journal reference, compound name, all text);
- Reduced cell searching; and,
- Database browsing.

Subjects: Crystallography -- Indexes -- Databases; Crystallography -- Databases; Crystals -- Structure -- Databases; Crystallography -- Indexes

Available via MultiSearch: 12/05/2016

MultiSearch: http://multisearch.mq.edu.au/MQ:PC_PLUS_LOCAL:MQ_ALMA51124393170002171

New Journals

Journal of Flow Visualization and Image Processing

Description: The *Journal of Flow Visualization and Image Processing* is a quarterly refereed journal that publishes original papers to disseminate and exchange the knowledge and information obtained through research on the principles and applications of flow visualization techniques, including flow image processing. Its purpose is to promote academic and industrial advancement and improvement of the techniques internationally. This journal presents a wealth of practical information covering all

areas in science, technology, and medicine for engineers, scientists, and researchers in industry, academia, and government.

Holdings: Available from 2013 Volume: 20 Issue: 1

Available via MultiSearch: 12/05/2016

MultiSearch: http://multisearch.mq.edu.au/MQ:PC_PLUS_LOCAL:MQ_ALMA51146909700002171

Molecular Psychiatry

Description: *Molecular Psychiatry* aims to publish research that provides insights into the biological mechanisms underlying psychiatric disorders and their treatment. The focus is on pre-clinical and clinical research studies, including studies at the cellular, molecular, integrative, clinical, imaging and psychopharmacology levels.

Subjects: Mental illness -- Periodicals; Molecular biology -- Periodicals; Neurosciences -- Periodicals; Biochemistry ; Mental Disorders; Molecular Biology; Neurosciences; Periodicals.

Holdings: Available from 1997 Volume: 2 Issue: 1

Available via MultiSearch: 13/05/2016

MultiSearch: http://multisearch.mq.edu.au/MQ:PC_PLUS_LOCAL:MQ_ALMA51136013940002171

Nature Energy

Description: *Nature Energy* explores the generation and storage of energy, to its distribution and management, the needs and demands of the different actors, and the impacts that energy technologies and policies have on societies. There is a particular interest in studies that advance knowledge and inform the development of next-generation technologies and solutions. *Nature Energy* provides a forum for all parties active at the frontiers of energy to come together and learn about the different facets of this sector. In addition to publishing original research, *Nature Energy* will publish Comments, Perspectives, Reviews, News & Views, Features and Correspondence from across the full range of disciplines concerned with energy.

Topics covered in the journal include:

- Solar energy
- Wind energy
- Wave energy
- Geothermal energy
- Hydroelectricity
- Energy harvesting devices
- Nuclear power
- Fuel cells
- Hydrogen energy
- Transportation fuels
- Biofuels
- Batteries
- Supercapacitors
- Electrocatalysis and photocatalysis
- Carbon capture and storage
- Energy economics and finance
- Energy policy
- Energy and behaviour
- Energy security
- Energy access
- Energy justice
- Energy grids and networks

Subjects: Power resources – Periodicals; Energy development – Periodicals; Renewable energy sources – Periodicals; Energy development; Power resources; Renewable energy sources.

Holdings: Available from 2016 Volume: 1 Issue: 1

Available via MultiSearch: 13/05/2016

MultiSearch: http://multisearch.mq.edu.au/MQ:PC_PLUS_LOCAL:MQ_ALMA51156709520002171

Nature Immunology

Description: *Nature Immunology* is a multidisciplinary journal that publishes papers of the highest quality and significance in all areas of immunology. Priority is given to work that provides fundamental insight into the workings of the immune system.

Areas covered include, but are not limited to:

- innate immunity and inflammation development
- immune receptors, signaling and apoptosis
- antigen presentation
- gene regulation and recombination
- cellular and systemic immunity
- vaccines
- immune tolerance
- autoimmunity and tumor immunology, microbial immunopathology
- transplantation

Nature Immunology also publishes commentaries, News and Views, research highlights, historical perspectives, correspondence from readers and reviews of the literature, thus serving as the major conduit of top-quality information for the immunology community.

Subjects: Immunology -- Periodicals; Immunity; Immune System; Immunotherapy; Immunology; Electronic journals; Periodicals; Periodicals.

Holdings: Available from 2000 Volume: 1 Issue: 1 onwards

Available via MultiSearch: 16/05/2016

MultiSearch: http://multisearch.mq.edu.au/MQ:PC_PLUS_LOCAL:MQ_ALMA51136190310002171

Nature Microbiology

Description: *Nature Microbiology* covers all aspects of microorganisms, whether it is in their evolution, physiology and cell biology; their interactions with each other, with a host or with an environment; or their societal significance. *Nature Microbiology* provides a place for those interested in microorganisms to come together to learn about the most accomplished and significant advances in the field and to discuss topical issues. It is an online-only monthly journal, with a broad scope to ensure that the research published reaches the widest possible audience of microbiologists. In addition to publishing original research, *Nature Microbiology* will publish Commentaries, Reviews, News and Views, Features and Correspondence from across the full range of disciplines concerned with microorganisms.

Topics covered in the journal include:

- Antimicrobials and Resistance
- Applied microbiology
- Archaea
- Bacteria
- Biochemistry
- Biodiversity
- Biofilms
- Biophysics
- Biotechnology
- Cell biology
- Clinical microbiology
- Computational biology
- Education
- Environmental microbiology
- Epidemiology
- Evolution
- Fungi
- Microbial genetics
- Host defence
- Industrial microbiology
- Infectious diseases
- Microbiomes
- Molecular biology
- Omics
- Parasites
- Pathogenesis
- Physiology
- Protozoa
- Public health
- Society
- Symbiosis
- Systems biology
- Vaccines
- Viruses

Subjects: Microbiology -- Periodicals; Microbiology; Microbiology; Periodicals; Periodicals.

Holdings: Available from 2016 Volume: 1 Issue: 1 onwards

Available via MultiSearch: 16/05/2016

MultiSearch: http://multisearch.mq.edu.au/MQ:PC_PLUS_LOCAL:MQ_ALMA51156709450002171

Nature Plants

Description: *Nature Genetics* publishes the very highest quality research in genetics. It encompasses genetic and functional genomic studies on human and plant traits and on other model organisms. Current emphasis is on the genetic basis for common and complex diseases and on the functional mechanism, architecture and evolution of gene networks, studied by experimental perturbation.

Topics include, but are not limited to:

- Genes in the pathology of human disease
- Molecular analysis of simple and complex genetic traits
- Cancer genetics
- Agricultural genomics
- Developmental genetics
- Regulatory variation in gene expression
- Strategies and technologies for extracting function from genomic data
- Pharmacological genomics
- Genome evolution

Subjects: Plants -- Periodicals; Plant molecular biology -- Periodicals; Plant physiology -- Periodicals; Plant ecology -- Periodicals; Plants; Plant ecology; Plant molecular biology; Plant physiology; Plants.

Holdings: Available from 2015 Volume: 1 Issue: 1 onwards

Available via MultiSearch: 16/05/2016

MultiSearch: http://multisearch.mq.edu.au/MQ:PC_PLUS_LOCAL:TN_nature_a10.1038/ng.3005

Nature Reviews Drug Discovery

Description: *Nature Reviews Drug Discovery* is a monthly journal aimed at those working in the drug discovery and development area. In addition to the high quality reviews and perspectives covering the entire field, each issue includes news stories that investigate the hot topics in drug discovery, timely summaries of key primary research papers, and concise updates on the latest advances in areas such as new drug approvals, patent law and emerging industry trends.

Topics covered in the journal include:

- Target discovery
- Rational drug design
- Combinatorial and parallel synthesis
- Medicinal chemistry
- Key compound classes
- Natural products
- High-throughput screening
- Novel therapeutic approaches to disease states
- Microarrays
- Bioinformatics and chemoinformatics
- Absorption, distribution, metabolism and elimination (ADME)
- Pharmacokinetics and pharmacodynamics
- Pharmacology
- Toxicology
- Pharmacogenomics and toxicogenomics
- Drug delivery
- Biopharmaceuticals
- Biotechnology
- Vaccines
- Clinical trial evaluation
- Regulatory issues
- Pharmacoeconomics

Subjects: Drugs -- Research -- Periodicals; Drugs -- Design -- Periodicals; Pharmaceutical chemistry -- Periodicals; Pharmaceutical Preparations; Review Literature; Research; Drugs -- Design; Drugs -- Research; Pharmaceutical chemistry.

Holdings: Available from 2002 Volume: 1 Issue: 1 onwards

Available via MultiSearch: 16/05/2016

MultiSearch: http://multisearch.mq.edu.au/MQ:PC_PLUS_LOCAL:MQ_ALMA51136184790002171

Nature Reviews Immunology

Description: *Nature Reviews Immunology* aims to provide in-depth coverage of immunology, from fundamental mechanisms to applied aspects. In addition to review articles, it will highlight recent developments and exciting new primary papers, as well as reflecting on the people, papers and events that have influenced the development of immunology.

Topics covered in the journal include:

- Allergy and asthma
- Autoimmunity
- Antigen processing and presentation
- Apoptosis in the immune system
- Chemokines and chemokine receptors
- Cytokines and cytokine receptors
- Development and function of cells of the immune system
- Development and function of cells of the immune system
- Haematopoiesis
- Infection and immunity
- Immunotherapy
- Innate immunity
- Mucosal immunology
- Regulation of the immune response
- Signalling in the immune system
- Transplantation
- Development and function of cells of the immune system
- Tumour immunology
- Vaccine development

Subjects: Immunology -- Periodicals; Immunologic diseases -- Periodicals; Immunity -- Periodicals; Immunity; Immunologic diseases; Immunology; Mensuels; Immunologie; Recherche médicale; Immunity; Hypersensitivity; Immune System; Immune System Diseases.

Holdings: Available from 2001 Volume: 1 Issue: 1 onwards

Available via MultiSearch: 13/05/2016

MultiSearch: http://multisearch.mq.edu.au/MQ:PC_PLUS_LOCAL:MQ_ALMA51136184760002171