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CSA Illustrata™: Technology

CSA

Now you can quickly locate data contained in leading journal articles

CSA Illustrata: Technology from ProQuest reveals the most pertinent search results through deep indexing

CSA Illustrata: Technology transforms your research. Like its predecessor, *CSA Illustrata: Natural Sciences*—a *CHOICE* 2007 Outstanding Academic Title—it offers groundbreaking deep indexing. Deep indexing is the innovative process by which ProQuest creates metadata for the high-value tables and figures within journal articles that often remain hidden in traditional article-level indexing and full-text searching.

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- Uncover critical data that would not be easily found via traditional searching
- Improve research efficiency by instantly identifying the most relevant results
- Search millions of indexed images in scholarly articles from thousands of leading international and peer-reviewed journals
- Search within and across a variety of subject areas
- Maximise journal subscriptions through more powerful searches that link to the full-text articles

Take your research to the next level:

- Conduct innovative research with discoveries in unforeseen places
- Enhance scholarly initiatives from findings to:
  - Perform meta-analyses
  - Compare data
  - Write review papers, journal articles, and research proposals
  - Develop new formulae and models
  - Generate hypotheses
- Discover information in additional sources
- Combine searches with other databases on the CSA Illumina platform

CSA Illustrata is expanding rapidly with a continuously-growing collection of records from an increasing number of key academic journals. These continual enhancements to CSA Illustrata and the CSA Illumina platform ensure our ability to anticipate researchers' needs.

Find out how CSA Illustrata: Technology can transform your research today. See the video and sign up for a FREE TRIAL at www.proquest.co.uk/go/csaillustrata now.

Deep indexing reveals the distilled essence of research

CSA Illustrata: Technology was developed with researchers and librarians to improve the precision, efficiency, and relevance of searches

With traditional article-level and full-text searches, images are not captured. This is because specific information about tables and figures does not appear in any index—there are no indexing 'hooks' in the title, abstract, or caption.

But with CSA Illustrata: Technology, tables and figures are deeply indexed so users can locate relevant research with pinpoint accuracy. Each record is classified by one or more general categories reflecting the type of image display (e.g. photomicrograph, diffraction pattern, etc.). This allows researchers to learn about the actual data collected, observed, or modeled and quickly determine if it is relevant to their work.

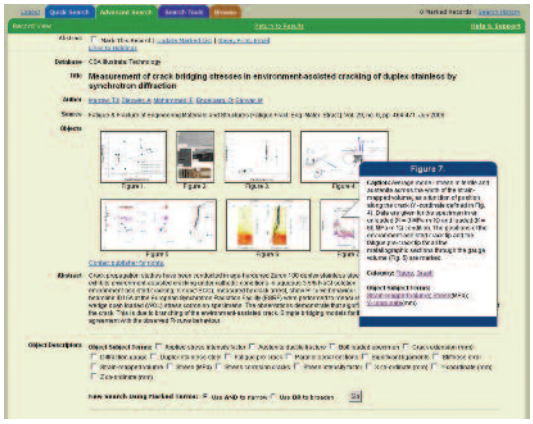
Primary research terms that enable precision searching are:

- Subject Indexing: Key variables presented in the figure or table
- Geographic Indexing: All applicable geographic terms
- Taxonomic Indexing: Latin names of organisms are included when appropriate
- Statistical Indexing: Any standard statistical term relevant to a particular data display
- Other Relevant Data: An indication of whether the table or figure contains either an empirical or theoretical predictive model

Search within and across a wide range of subject areas:

- Computer Science
- Architecture
- Engineering
  - Aeronautical
  - Aerospace
  - Biochemical
  - Biomechanical
  - Civil
  - Earthquake
  - Electrical
  - Environmental
  - Mechanical
- Materials Science
- Mathematics
- Physics
- Robotics
- And more

An example of a record that relates to Aerospace, Engineering, and Physics.



An example of a record that relates to Civil and Environmental Engineering.

Left screen credit: *Fatigue & Fracture of Engineering Materials and Structures,* Vol. 29, no. 6, pp. 464-471, June 2006

Right screen credit: *Acta Astronautica,* Vol. 61, no. 1-6, pp. 367-375, June-August 2007

Deep indexing of tables and figures locates relevant research with pinpoint accuracy

CSA Illustrata: Technology offers deep indexing for millions of tables and figures in journals from hundreds of leading publishers

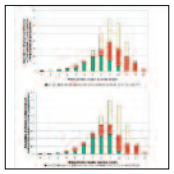
Here's just a few of the publishers from the continuously-growing list:

- Cambridge University Press
- Elsevier
- Emerald Group Publishing
- Oxford University Press
- Springer
- Wiley-Blackwell

Graphical objects include:

Technology-Specific Graphs
- Control Chart
- Diffraction Pattern
- Gantt Chart
- Phase Diagram
- Pole Figure
- Spectrum

Graphs

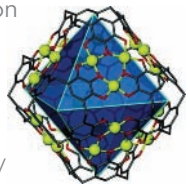


- 3D Surface Plot
- Area Chart
- Box Plot
- Cluster Diagram
- Contour Plot
- Graph
- Histogram/Bar Chart
- Line Graph
- Pie Chart
- Polar Plot
- Rose Diagram
- Scatter Plot
- Spectral Analysis
- Spectrogram
- Time Series Plot
- Triangle Plot
- Vector/Raster Diagram

Tables
- Architectural Design/Blueprint

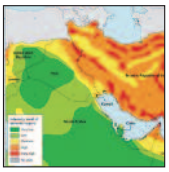
Technology-Specific Illustrations
- Architectural Design/Blueprint
- Floor Plan
- Mechanical Design/Blueprint
- Organizational Chart
- Schematic: Circuit Diagram

Illustrations



- Chemical Structure
- Equipment Illustration
- Flow Chart
- Molecular Structure
- Schematic
- Schematic: Genetic/ Evolutionary Tree
- Venn Diagram
- Vertical Section Illustration

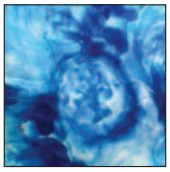
Maps



- Bathymetric Map
- Geological Map
- Study Site Map
- Topographic Map

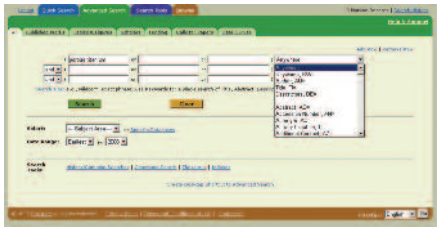
Photographs
- Dot Blots
- Equipment Photograph
- Gel
- Microwell Plates
- Photomicrograph
- Photomicrograph: Ultrastructure
- Satellite Image
- Study Site Photograph
- Vertical Section Photograph

Transmission/ Emission Images



Seamless navigation makes searching and browsing virtually effortless with CSA Illustrata: Technology.

Records include thumbnail images, captions, bibliographic details, hyperlinked index terms, and a subscription-sensitive link to the complete article from any search result or record display.



Precision Searching:

A targeted search offers specific index terms for tables and figures from a pull-down menu.

Comprehensive Results Display:

A scroll through records can lead to new discoveries from related and seemingly unrelated data.

- Brief description of article
- Mouseover provides description of each image for quick browsing
- Indexing terms

Abstract Record Display:

Detailed Abstract Record includes descriptions for article- and object-level index terms to aid in additional searches.

- Author and source information
- Mouseover for quick, detailed review of tables and figures to identify relevant data
- All figures and tables in article are displayed together
- Copyright module provides information on rights holder and the ability to secure permission for use
- Abstract offers a quick synopsis of findings
- Detailed indexing terms for figure
- Publisher information

Note: Many records also display images at full size with captions, depending upon publisher permission.

An example of a record that relates to Materials Science, Biomechanics, Physics, and Robotics.
Credit: *Acta Biomaterialia*, Vol. 3, no. 6, pp.1007-1018. November 2007.

Accolades for the initial module, CSA Illustrata: Natural Sciences include:

- *CHOICE* 2007 Outstanding Academic Title
- CODiE Award 2008 Best Online Science or Technology Service – CSA Illustrata, ProQuest
- A *Library Journal* Best Reference Pick of 2007
- Ranked third in ten, just after smartphone and social networking innovations as "…one of the most important products of the year (2007)…" — Paula Hane, *Information Today*

What people are saying about CSA Illustrata

"*CSA Illustrata* is a breakthrough product, opening up the wealth of data previously hidden in article graphics." — Marydee Ojala, *Information Today,* Jan. 22, 2007

"*CSA Illustrata* is an innovative research tool. The deep indexing of tables, figures, and images increases the accessibility of scholarly literature." — Steven Adams, Princeton University, November 2007

"It is easy to see how searching in this file can produce much more relevant, targeted results… The searching is wonderful, the content very good, and the overall functionality terrific…a strong 9.5 out of 10." — Cheryl LaGuardia, Research Librarian at Harvard University Widener Library, *Library Journal,* December 2007

"There have been relatively few innovations in indexing/abstracting (I/A) databases in the past 40 years…*CSA Illustrata* is a major innovation." — Péter Jacsó, *Peter's Digital Reference Shelf,* February 2007

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