

CSA Technology Research Database

**Comprehensive coverage of the
international literature on technology**



**CSA Materials
Research Database
with METADEX**



**CSA High Technology
Research Database
with Aerospace**



**CSA Engineering
Research
Database**

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CSA bibliographic databases make volumes of technology research available through your computer. Each database provides comprehensive coverage of the worldwide literature for its subject area. And you get it all through CSA's award-winning Internet Database Service that provides an easy, intuitive interface as well as powerful expert search options. Moreover, these files enable you to access in-depth coverage of the international literature pertaining to technology and technology sub-disciplines without the inconveniences associated with searching multiple specialty databases.

Available through CSA Illumina featuring:

- Link to Electronic Full Text
- Link to Holdings
- Link to Interlibrary Loan
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- Interactive Thesaurus Search Feature
- *Web Resources Database*
- *Recent References Database*
- Usage Statistics
- Search Histories
- Mirror Sites
- Multiple Language Interfaces
- Site-Wide, Unlimited Access
- Search Alerts
- QuikBib
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Superior Database Design

- **Common indexing and de-duping** — search the multiple subfiles provided in each database with a single search, with no records duplicated among the results!
- **Journal coverage** — the database includes coverage of hundreds of core journals not indexed in other technology databases.
- **Controlled vocabulary** — all records are indexed using a controlled vocabulary of about 40,000 terms with a searchable thesaurus.
- **Classification codes** — each record is assigned a classification code making it retrievable by subdiscipline (e.g. forensic engineering, or mathematics/computation).

CSA Technology Research Database

This comprehensive database provides a single mega-file of all of the records available through the *CSA Materials Research Database with METADEX*, *CSA High Technology Research Database with Aerospace*, and the *CSA Engineering Research Database*. The database content represents the most comprehensive and current coverage of the relevant serial and non-serial literature available today.

10.5+ million unique records

Updated monthly

Backfiles to 1962

Note: Subfiles in the *CSA Technology Database* are commonly indexed and de-duped so that search results provide cross-database results with no duplicate records!

Sign up today
for complimentary
30-day access!



**CSA Materials
Research Database
with METADEX**



**CSA High Technology
Research Database
with Aerospace**



**CSA Engineering
Research Database**

CSA Materials Research Database with METADEX

4.6 million unique records

Updated monthly

Backfiles to 1966

The *CSA Materials Research Database with METADEX* brings together in one place the majority of the leading materials science databases, with specialist content on materials science, metallurgy, ceramics, polymers, and composites used in engineering applications. Everything from raw materials and refining through processing, welding and fabrication to end use, corrosion, performance and recycling is covered in depth for all metals, alloys, polymers, ceramics, and composites.

Sources: Over 5,000 primary journals plus trade literature, patents, newspapers, press releases, conference proceedings, books and reports.



Subject Coverage:

- Adhesive bonding
- Alloys
- Aluminum
- Biomaterials
- Brazing and soldering
- Business and company information
- Casting and molding
- Ceramics
- Chemical and electrochemical properties
- Composites
- Copper
- Corrosion
- Energy and fuel
- Glass, including metallic glasses
- Health and safety
- Heat treatment
- Intermetallics
- Materials selection
- Materials substitution
- Metallurgy
- Nonferrous metals
- Polymers
- Powder technology
- Products and processes
- Recycling
- Refractories
- Steels
- Structures
- Surface finishing
- Testing, quality control
- Thermal spray
- Welding
- Working and forming

Subfiles:

- Aluminium Industry Abstracts
- Ceramic Abstracts/World Ceramic Abstracts
- Copper Data Center Database
- Corrosion Abstracts
- Engineered Materials Abstracts
- Materials Business File
- METADEX
- WELDASEARCH

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CSA High Technology Research Database with Aerospace

5.9 million unique records

Updated biweekly

Backfiles to 1962

The *CSA High Technology Research Database with Aerospace*, including the *CSA Aerospace & High Technology Database*, brings together in one place the most comprehensive bibliographic coverage of research, emerging technologies, applications and companies in the areas of aeronautics, astronautics, computer and information technology, electronics, communications, solid state materials and devices, and space sciences. Everything from theoretical research through practical application is covered.

Sources: Over 5,000 primary journals plus patent information, conference proceedings, books, theses and reports

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Subject Coverage:

- Aeronautics
- Applied physics
- Artificial intelligence
- Astronautics
- Atomic and molecular physics
- Astronautics
- Circuits and logic
- Communications and networks
- Computer applications
- Computer programming
- Computer systems organization
- Computing milieu
- Condensed matter physics
- Database information systems and applications
- Decision support systems
- Electronics and electrical engineering
- Electronics and communications milieu
- Geophysics and earth resources
- Hardware and evaluation
- Information systems
- Lasers and masers
- Local area networks
- Logic and switching theories
- Mathematics of computing
- Meteorology, climatology and oceanography
- Navigation
- Nuclear and high energy physics
- Optical and acoustic technology
- Optics
- Photonics
- Plasma physics
- Robotics
- Semiconductors
- Software engineering
- Solid state milieu
- Superconductors
- Telecommunications, equipment & instrumentation

Subfiles:

- CSA Aerospace & High Technology Database
- Computer & Information Systems Abstracts
- Electronics & Communications Abstracts
- Solid State & Superconductivity Abstracts



CSA Engineering Research Database

Featuring records from the
American Society of Civil Engineering

3.9 million unique records

Updated biweekly

Backfiles to 1966

The *CSA Engineering Research Database* covers the international serial and non-serial literature pertaining to civil, earthquake, environmental, mechanical, and transportation engineering including their complementary fields of forensic engineering, management and marketing of engineering services, engineering education, theoretical mechanics and dynamics, and mathematics/computation. Content includes basic and applied research, design, construction, technological and engineering aspects of air and water quality, environmental safety, energy production and developments in new technologies.

Sources: Over 5,000 primary journals plus trade literature, patents, newspapers, press releases, conference proceedings, books and reports.

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Subject Coverage:

- Aircraft design and engineering
- Arctic and tropical engineering
- Automotive design and engineering
- Bridges and tunnels
- Buildings, towers and tanks
- Civil engineering for air and space transportation
- Coastal and offshore structures
- Construction materials
- Design and properties of substructures
- Earthmoving and construction machinery
- Electric and hybrid vehicles
- Engineering for electric power generation
- Engineering for industrial and manufacturing processes
- Flood analysis
- Fuels and propellants
- Geotechnical engineering
- Hazardous materials
- High speed trains, rapid transit railways, and monorails
- Highways and roads
- Industrial robots and automation
- Industrial waste and sewage
- Internal combustion engines
- Land development, irrigation and drainage
- Magnetic levitation railways
- Military technology
- Nuclear power plants
- Pollution, waste and water engineering
- Railroad rails and structures
- Road, rail and sea transport
- Seismic engineering
- Seismic phenomena
- Shipbuilding
- Site remediation and reclamation
- Sporting and recreational vehicles
- Storm water management
- Tanks and armored vehicles
- Theoretical mechanics and dynamics
- Thermoelectric energy
- Tidal and wind power
- Waste management

Subfiles:

- ANTE: Abstracts in New Technologies and Engineering
- CSA Civil Engineering Abstracts
- Earthquake Engineering Abstracts
- Environmental Engineering Abstracts
- CSA Mechanical & Transportation Engineering Abstracts

Other technology resources available through CSA Illumina...



CINDAS Microelectronics Packaging Materials Database

Published by CINDAS LLC

CINDAS Microelectronics Packaging Materials Database (MPMD) contains data on thermal, mechanical, electrical and physical properties of electronics packaging materials. This database which contains properties of over 750 materials and contains over 15,000 data curves was developed under the sponsorship of the Semiconductor Research Corporation.

CINDAS Thermophysical Properties of Matter Database

Published by CINDAS LLC

CINDAS Thermophysical Properties of Matter Database (TPMD) contains thermophysical properties of over 5,000 materials with approximately 50,000 data curves that illustrate how various properties of materials behave under different test conditions. The database is searchable by material group, material name, property group, property name and independent variable. For all data curves, the material composition, experimental conditions, raw or smoothed data, and references are given.

Computer Abstracts International Database

Published by Emerald Abstracts

Computer Abstracts International Database provides the fast track to the effective application of knowledge in the main disciplines in the computer sciences. The database provides practitioners and scholars immediate access to both the latest and the most significant computer science thinking and practice.

CSA Illustrata: Technology

CSA Illustrata: Technology provides a database of searchable tables, figures, graphs, charts and other illustrations from the scholarly research and technical literature, employing "deep indexing" to categorize data, variables and other content represented in the images. CSA Illustrata enables the researcher to find information that otherwise would not be retrievable in traditional, article-level indexing systems. (Additional information on back cover)

Information Technology Case Studies

Published by IGI Global

This collection of original case studies describes information technology experiences in both U.S. and non-U.S. organizations. Each case has been carefully structured to provide background information, project description, current status of the case/project, and successes and failures.

IRWI: Information Research Watch International

IRWI: Information Research Watch International reports new, ongoing and completed research in information and library science and related fields from around the world. Compiled from records supplied by the researchers themselves, the database gives access to information about current research prior to its appearance in the published literature, with details of researcher affiliation, research funding and funding bodies, duration, status of project and researcher contact information.

LISA: Library and Information Systems Abstracts

LISA: Library and Information Systems Abstracts covers the field of librarianship and information science as well as other related areas such as artificial intelligence, information management, and telecommunications.

NTIS Database

Published by National Technical Information Service (NTIS)

NTIS Database is the pre-eminent resource for accessing the latest U.S. government-sponsored research and worldwide scientific, technical, engineering, and business-related information. NTIS is the central source for the sale of unclassified and publicly available information from research reports, journal articles, data files, computer programs and audio visual products from Federal sources.

Paperbase / Pira Collection

Published by Pira International in cooperation with CTP, KCL, STFI, and the Royal Photographic Society
Paperbase/Pira Collection provides comprehensive literature coverage for the pulp and paper, packaging, printing, publishing, imaging and nonwovens industries.

Polymer Library (formerly Rapra Abstracts)

Published by Smithers Rapra

The Polymer Library has long been the leading source for polymer information — providing deep, focused, and valuable information on plastics, rubber, adhesives and composite to both corporate and academic users.

Science and Technology Digest

Published by Plexus Publishing, Inc.

Science and Technology Digest covers selected articles from over 100 worldwide sources in the applied and theoretical sciences within such disciplines as the geophysical, chemical, engineering, astrophysical, and meteorological sciences. Designed for undergraduate college and high school students, the database provides easy access to the latest scientific developments.

To discover hidden data, start here.

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

CSA Illustrata: Technology provides deep indexing that spans a wide range of subject areas. So whether the research is in materials science, aerospace, engineering, or high technology, start here—with CSA Illustrata: Technology.



Study of hypersonic turbojet engine for flight demonstration as revealed in CSA Illustrata: Technology.

CSA Illustrata[™]: Technology

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