# ACM Digital Library

* Target topics
  + Computing literature
* List of items indexes
  + Detail in the repo
* Available formats
  + Full-text, abstracts, linked references and citing works, citation and usage statistics
* Update rate
  + ?
* Open access
  + Partially open
* Document kind
  + Articles, magazines and conference proceedings, journals, newsletters and books
* How easy and friendly the interface is
  + Advanced search has a well-written guide and let user to apply different levels of filters on dates, journals,…
* Availability of Thesaurus…
  + ?
* Quality of the ranking by relevance
  + Although the results are shown in an appalling way, querying more than one concept, the results tend to skew toward one of subject and no the conjunction of them
  + Overall : High for homogenous queries

# Wiley Online Library

* Target topics
  + Agriculture, Aquaculture & Food Science
  + Architecture & Planning
  + Art & Applied
  + Business, Economics, Finance & Accounting
  + Chemistry
  + Computer Science & Information Technology
  + Earth, Space & Environmental Sciences
  + Humanities
  + Law & Criminology
  + Life Sciences
  + Mathematics & Statistics
  + Medicine
  + Nursing, Dentistry & Healthcare
  + Physical Sciences & Engineering
  + Psychology
  + Social & Behavioral Sciences
  + Veterinary Medicine
* List of items indexes
  + 2614 Journals
  + 251 Reference works
  + 23247 books
* Available formats
  + Full-text, abstracts, linked references and citing works, citation
* Update rate
  + ?
* Open access
  + Partially open
* Document kind
  + Articles, Reference Works, journals and books
* How easy and friendly the interface is:
  + Like ACM, Wiley provides a rich guide in the advanced search – while the filters/options are limited
  + The search engine is almost unable to handle typos and suggest correct keywords
* Availability of Thesaurus…
  + ?
* Quality of the ranking by relevance
  + The results are highly related to the query even if the components of query are not directly related (fairness + AI)
  + Overall : High Quality

# arXiv.org

* Target topics
  + physics
  + mathematics
  + computer science
  + quantitative biology
  + quantitative finance
  + statistics
  + electrical engineering and systems science
  + economics
* List of items indexes
  + Scholary articles
* Available formats
  + Abstract
  + Full text
  + Bibliography
  + Bookmarks
  + Submission History
* Update rate
  + ?
* Open access
  + Completely open access
* Document kind
  + Articles
* How easy and friendly the interface is:
  + A simple interface which provides a handy search guide and example queries – one of the best in terms of being user-friendly. From robustness point of view, the tools are fairly standard and similar to ACM
* Availability of Thesaurus…
  + ?
* Quality of the ranking by relevance
  + Low retrieval power: it seems that the query is considered in a literal way and only papers with the exact words used in the query are returned (unlike, for example, Google Scholar which considers word similarities)
  + Overall : High for homogenous queries

# Scopus

* Target topics
  + life sciences
  + social sciences
  + physical sciences
  + health sciences
* List of items indexes
  + Detail in the repo
* Available formats
  + Abstract
  + Citation
  + Full text
* Update rate
  + ?
* Open access
  + Partially: With Elsevier’s recent partnership with Impactstory, a nonprofit that creates online tools to make science more open and reusable, researchers are now able to discover millions of peer-reviewed open access (OA) articles with ease.
* Document kind
  + books (Scopus books, Scopus Book Series, Individual book series), journals, trade journals and Conference Proceeding
* How easy and friendly the interface is:
  + Scopus has a sophisticated tool for searching journals which provide different ways/levels to filter journals based on the content, citations, rank and index
* Availability of Thesaurus…
  + ?
* Quality of the ranking by relevance
  + Using Bicocca VPN and university credential I wasn’t able to search for articles

# CiteSeerX

* Target topics
  + Literature in computer and information science.
* List of items indexes
  + x
* Services
  + Autonomous citation indexing (ACI)
  + Automatic metadata extraction
  + Citation statistics
  + Reference linking
  + Author disambiguation
  + Citation context
  + Awareness and tracking
  + Related documents
  + Full-text indexing
  + Query-sensitive summaries
* Available formats
  + Abstract
  + Full-text
  + Bibliography
* Update rate
  + ?
* Open access
  + Citeseerx is a search engine which indexes open-access sources
* Document kind
  + Articles
  + Algorithms
  + Methods
* How easy and friendly the interface is:
  + Interface is simple and easy to use but the advanced search is missing a guide/example to help researchers – search tools are quite basic
* Availability of Thesaurus…
  + ?
* Quality of the ranking by relevance
  + Similar to ACM, querying more than one concept, the results tend to skew toward one of subject and no the conjunction of them
  + Overall : High for homogenous queries and Low for complex ones

# Science Direct

* Target topics
  + Physical Sciences and Engineering
  + Life Sciences
  + Health Sciences
  + Social Sciences and Humanities
* List of items indexes
  + Detail in the repo
* Available formats
  + Abstract
  + Full-Text
* Update rate
  + ?
* Open access
  + Free abstracts only
  + Pay-per-view full text
* Document kind
  + peer-reviewed journals, articles, book chapters
* How easy and friendly the interface is:
  + Science Direct has the most particular search tool , the general (default) search, unlike other database review- has various fields which help user to have a more accurate query – on the other hand, the advanced search lacks basic tool which almost all the other databases provide – should be mentioned that regardless of this, Science Direct provide a page with a search tips which can help user to get better results
* Availability of Thesaurus…
  + ?
* Quality of the ranking by relevance
  + Similar to arXiv.org, Science Direct has a Low retrieval power, as it considers the only in a literal way and only papers with the exact words used in the query are returned – regardless of this, the recall is high which can be a positive point
  + Overall : High for homogenous queries