

**PATENT and LITERATURE SEARCH TOOLS** (rev. April 2008)

SEARCH ENGINE or Database	Access	Link	SEARCHES PROVIDED	Proximity operators	Years (if known)	Full text vs Abstracts	Print or Save Queries?	Other comments
<b>JHU LIBRARY (JH SEARCH) - Metasearch of library resources.</b>	via JHU on a JHU computer or VPN	<a href="http://jsearch.library.jhu.edu/V?RN=103990751%20and%20www.welch.jhu.edu">http://jsearch.library.jhu.edu/V?RN=103990751%20and%20www.welch.jhu.edu</a>	JHsearch searches select groups of databases, "metasearches". For the Life Science group, this includes Biological Abstracts, PsychINFO, PubMed, SCOPUS, Web of Science, Zoological Record.	Boolean (AND/ OR/ NOT)	Varies with databases used.	Abstracts and links to Fulltext when available through JHU	Temporary storage of search results, and citations can be saved or printed from that session.	Can be used to show which database will provide the most "hits" for subsequent database-specific searches.
<b>PATENTS (if indicated, can also search non-patent LITERATURE databases)</b>								
<b>SCOPUS</b>	via JHU on a JHU computer or VPN	<a href="http://www.scopus.com/scopus/home.url">www.scopus.com/scopus/home.url</a>	Searches Patents, Literature and Web, concurrently. U.S. and international coverage of scientific, technical, medical, and social science literature.	Several Operators and Truncations available. For example, "w/ (number of words)" limits hits to those where words are within a defined distance.	1900-present, varies with database	Abstracts and links to Fulltext when available through JHU	Saves searches within a session. After free registration with the site, can save search history and lists after session concludes. Includes a reference building capability via articles or citations.	Includes Scirus (see below), a comprehensive science-specific search engine that searches the Web and enables patent searching. Only accessible through a JHU system.
<b>PATENT LENS</b>	Public	<a href="http://www.patentlens.net/daisy/patentlens/patentlens.html">www.patentlens.net/daisy/patentlens/patentlens.html</a>	Full text of over 8 million patents and applications. Updated weekly with information from WIPO, USPTO, EPO and IP Australia. Integrates INPADOC legal status and patent family information from over 60 countries into search results in order to give an idea whether a patent application related to one of interest was filed in other countries, and possibly whether patents are in force or applications are still pending. Also provides sequence searching through BLAST.	Boolean (AND/ OR/ NOT)	US published patent applications and granted patents (1976-present); World (PCT) patent Applications (1978-present); European published granted patents (1980-present); Australian published patent applications and published granted patents (1998-present).	Can view in full text mode or PDF mode.	Capability to print query results. Capability to save patents and searches	
<b>United States Patent &amp; Trademark Office (Patents)</b>	Public	<a href="http://www.uspto.gov/patft/index.html">http://www.uspto.gov/patft/index.html</a>	Searches US Patents and published Patent Applications. Also see Public PAIR ( <a href="http://www.uspto.gov/ebc/index.html">http://www.uspto.gov/ebc/index.html</a> ) for prosecution history on certain cases.	Boolean (AND/ OR/ NOT)	US Patents and published Applications.	Full text, image is problematic. No PDF.	Can refine current searches.	Can search in various fields, such as title, specification, assignee, and inventor.
<b>LEXIS NEXIS ACADEMIC</b>	via JHU, link to JHU's Legal Databases, click Lexis Nexis	<a href="http://www.library.jhu.edu">http://www.library.jhu.edu</a>	News, business, legal, medical and reference information from 5000 sources, including patents under legal).	Boolean and other various connectors.	Can search by date, includes previous 100 years	Most in fulltext both English and foreign languages.	Can print a query and can tag selected references for later viewing. Does not appear that search histories are saved.	Has KWIC function which highlights searched terms within found documents
<b>Google Patents</b>	Public	<a href="http://www.google.com/patents">http://www.google.com/patents</a>	Free database covering the entire collection of patents made available by the USPTO. Does not currently include patent applications, international patents, or U.S. patents issued very recently.	Boolean (AND/ OR/ NOT). Can search by Patent No., title, inventor, assignee.	All issued US Patents from 1790 to present	abstracts, full text and PDF	Can print a query. Does not appear that one can save search histories	
<b>SPARK IP</b>	via JHU, need to register (free for JHU)	<a href="http://www.sparkip.com">www.sparkip.com</a>	Contains over 4 million US patents and applications for licensable technologies each day from universities, research labs, corporations and individual inventors.	"All" or "any"		Text supplied in full in SPARK specific format	yes, after registration and login	Results can be viewed through SparkCluster™ maps or in a traditional list format. Plans to add international patents and other useful data sets.
<b>SCIRUS</b>	Public	<a href="http://scirus.com/">http://scirus.com/</a>	Approx. 450 million scientific items that allows researchers to search for not only journal content but also scientists' homepages, courseware, pre-print server material, patents and institutional repository and website information	Boolean (AND/ OR/ ANDNOT)	before 1900 to present	abstracts, full text and PDF when available	Yes, can email, save or export a search query	

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SciFinder Scholar	via JHU, must register to download the database system onto your computer	Free software download. <a href="http://www.welch.jhu.edu/">http://www.welch.jhu.edu/</a> , search for "SciFinder" under Welch Electronic Resources.	SciFinder Scholar retrieves information contained in databases produced by Chemical Abstracts Service, and MEDLINE® database of the National Library of Medicine (NLM). Also access US and PCT patents.	Boolean (AND/ OR/ NOT)		Full text and Abstracts	Can save and print query results for references, chem substances and reactions.	Allows structure searching. Indexes compounds in references.
<b>Non-patent LITERATURE only</b>								
WEB OF SCIENCE	via JHU	<a href="http://apps.isiknowledge.com/WOS_GeneralSearch_input.do?product=WOS&amp;search_mode=G&amp;search SID=3AAjilkACPeG5hbE8E5&amp;preferencesSaved=">http://apps.isiknowledge.com/WOS_GeneralSearch_input.do?product=WOS&amp;search_mode=G&amp;search SID=3AAjilkACPeG5hbE8E5&amp;preferencesSaved=</a>	Free access to this academic database through JHU Welch library. Provides access to five databases: 1) Science Citation Index (SCI), 2) Social Sciences Citation Index (SSCI), 3) Arts & Humanities Citation Index (A&HCI), 4) Index Chemicus and 5) Current Chemical Reactions. The two chemistry databases allow for the creation of structure drawings, thus enabling users to locate chemical compounds and reactions. These databases may also be searched for compound and reaction data.	Boolean (AND/ OR/ NOT)	SCI -1900-present, SSCI - 1956-present, A&HCI - 1975-present, Index Chemicus 1993-present, Current Chemical Reactions 1986-present. Database covers ~ 8,700 journals of science, technology, social sciences, arts, and humanities.	Abstracts and links to Fulltext when available through JHU	Can save search details and search history. Open account required	
EMBASE	via JHU. A subscription key is available for off-site searching.	<a href="http://www.embase.com/">http://www.embase.com/</a>	A database that provides access to both US and international biomedical and pharmacological literature. Contains European literature and medical pharmacological records i.e. drug information. Encompasses >7,000 journals from >70 countries.	Boolean (AND/ OR/ NOT)	Over 18 million records, including EMBASE records from 1974; MEDLINE records from 1966.	Abstracts and links to Fulltext when available through JHU	After free registration with the site, can collect searches onto a clipboard, save clipboard, save searches and history.	Search options include term synonyms, explosion and derivatives
PubMed Central (PMC)	Public	<a href="http://www.pubmedcentral.nih.gov/">http://www.pubmedcentral.nih.gov/</a>	Free access archive of complete collection of biomedical and life sciences journal articles from NIH's National Center for Biotechnology Information. Data from diverse sources is stored in a common format. Provides rapid searching, manipulation, and cross-linking of the complete NCBI collection. Allows quick search of a variety of other information resources such as sequence databases.	same/near/with	Material dates back to mid- to late-1800s or early 1900s for some journals. Database started Feb 2000.	Abstracts and links to fulltext when available	Yes, Search history saved for eight hours. Searches can be indefinitely saved when an NCBI account is set up.	The advantage of PubMed Central (PMC) over PubMed is that PMC contains citations to sources that are not in the scope of PubMed, such as book reviews. PubMed Central can contain less than the complete contents of some journals. Most participating journals include all their content in PMC, but a few have chosen to deposit only their primary research articles.
PubMed/MEDLINE	Public	<a href="http://www.ncbi.nlm.nih.gov/sites/entrez">http://www.ncbi.nlm.nih.gov/sites/entrez</a>	Free access archive of biomedical literature and is also useful when search topic may be more general science or chemistry. Access to bibliographic information that includes MEDLINE, OLDMEDLINE.	same/near/with	Mid 1950's to date	Abstracts and links to fulltext when available	Yes, Search history saved for eight hours. Searches can be indefinitely saved when an NCBI account is set up.	MEDLINE is the largest component of PubMed. Approximately 5,000 journals published in the United States and more than 80 other countries have been selected and are currently indexed for MEDLINE.
Medline Plus	Public	<a href="http://www.nlm.nih.gov/medlineplus/">http://www.nlm.nih.gov/medlineplus/</a>	Contains carefully selected links to web resources with health information on >740 topics and > 1350 organizations. It provides access to information produced by the National Library of Medicine and the National Institutes of Health, such as searches of MEDLINE/PubMed and ClinicalTrials.gov, the database of research studies from the NIH.	Boolean operators include: OR/ NOT or -/ +(exact word)/ *(wildcard)	Health topics are reviewed and updated frequently	Abstracts and links to fulltext when available	Can print a query. Does not appear that search histories can be saved.	
MeSH -Medical subject headings	Public	<a href="http://www.nlm.nih.gov/mesh/meshhome.html">http://www.nlm.nih.gov/mesh/meshhome.html</a>	A listing of U.S. National Library of Medicine's controlled vocabulary for indexing articles for MEDLINE/PubMed. There are 24,767 descriptors in 2008 MeSH.	N/A	continually revised and updated	when available	Can print a query. Does not appear that search histories can be saved.	Useful to determine alternate names for proteins and compounds.

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<b>GOOGLE SCHOLAR</b>	Public	<a href="http://scholar.google.com/">http://scholar.google.com/</a>	Free database for broad search for scholarly publications. Indicates whether the JHU Libraries subscribe to an article online and can link to the full text if on JHU computer or VPN. If your search results include books, Google Scholar can also indicate whether they're in the JHU Libraries collection. Can search by keyword, phrase, author, publication or date.	phrase searches, negative terms and exact search terms		Abstracts and links to Fulltext when available through JHU	Can print a query. Does not appear that one can save search histories	Must be configured to link to full text at JHU libraries
<b>NTIS (National Technical Information Service)</b>	Public	<a href="http://www.ntis.gov/">http://www.ntis.gov/</a>	Largest central resource for government-funded scientific, technical, engineering, biotechnology, the environment, health & safety, and business related information, as well as the physical, biological, and social sciences. Part of the U.S. Department of Commerce's Technology Administration.	Boolean (AND/ OR/ NOT)	1964 to present	Seems to provide abstracts only. Full products need to be purchased - paper documents/ CD/ microfiche/ downloads	need a log-in ID and password to save a query	Many items found within the NTIS database are not available from any other source. The database includes extensive information from such departments as the U.S. Departments of Energy, Transportation, Defense and the National Aeronautics and Space Administration, and many others. International contributors to the NTIS database include (CNRS).
<b>Biosis (Biological Abstracts)</b>	via JHU on a JHU computer or VPN	<a href="http://web5s.silverplatter.com/webspis/start.ws?customser=c64283&amp;datasess=BXCD">http://web5s.silverplatter.com/webspis/start.ws?customser=c64283&amp;datasess=BXCD</a>	Includes life sciences and biomedical research worldwide including: journals, meetings, patents, and books. BIOSIS databases integrates subjects from many different fields all across biology.	Boolean (AND/ OR/ NOT)	1926 -present	Abstracts	yes, can also modify previous searches	
<b>MISCELLANEOUS</b>								
<b>TESS - Trademark electronic search system</b>	Public	<a href="http://www.uspto.gov/main/trademarks.htm">http://www.uspto.gov/main/trademarks.htm</a>	TESS contains more than 4 million pending, registered and dead federal trademarks and is a resource intended for general public use.	Boolean (AND/ OR/ NOT)		N/A	Search History can be displayed as an HTML page and a session summary can be printed.	