

**Searcher Analyzer** is a powerful research tool that goes beyond ordinary federated searching. Patented technology performs an on-the-fly text analysis and clusters search results into concepts. This unique post-search feature allows users to quickly identify articles that are most relevant to their needs. Search is performed on external databases and internal repositories.

## Are you getting nowhere, thousands of results at a time?

The problem with most federated search systems is that they will display hundreds or thousands of search results, but they don't provide an easy way to find the articles that are most relevant to the user.

Searcher Analyzer solves this problem through our patented post-search text analysis that clusters the results into subject categories.

### A-HA! That's what I was looking for!

The subject clustering allows the user to quickly find article results that are relevant to their area of interest... even if they enter a very basic search.

By filtering the search results by the subjects created on-the-fly by the text analysis system, even the most basic users can quickly navigate to the articles they need.

The screenshot shows the Searcher Analyzer interface. At the top, it says "demo is logged in. Logout". Navigation tabs include "Search", "My List", "My Searches", and "My Account". A "History" icon is also present. Below the navigation, it indicates "341 results found" with a link to "Show Database Details". There are buttons for "Edit Search", "Save Search", and "Save Search as Alert". A pagination bar shows "Page: 1 2 3 4 5 ... 14 Next". Action buttons include "Print", "Export", "E-mail", and "Add to List". A "Select:" section has checkboxes for "All" and "Page". The "Sort by:" dropdown is set to "Relevance".

The main results area shows four items:

- New Doors Opened from Mercury**: The sophisticated Mariner. The modern Montego. The advanced Mountaineer. The friendly Monterey. The savvy Sable. The spacious Grand Marquis. Something for everyone who wants a little more. Database: AllTheWeb. Details
- Hot stuff : the mercury's rising on exchange traded funds**: Exchange-traded funds, or ETFs, are hot. Around for almost 15 years, these index-like investments have finally caught on like wildfire with investors, ... Database: Find Articles Business. Details
- Mercury Hybrid is First "Green Car of the Year"**: The Mercury Mariner Hybrid - the first full hybrid premium compact SUV - is now the first vehicle to be honored by Green Car Journal as "Green Car of the Year." The award winner is determined by an 1 Database: Find Articles Computers. Details
- The real deal on fish and mercury**: If concerns about the health effects of mercury have you steering clear of fish lately, it's likely you're doing yourself more harm than good. This is the key finding of five recent studies published Database: Find Articles Health. Details

On the right, a "Filter Results" sidebar shows "All Results" and "By Subject" with a list of subject categories:

- mercury levels
- Mercury Interactive
- mercury switches
- mercury vapors
- dental amalgams
- toxic metals
- Control Technology
- San Jose Mercury
- Mercury Control
- Mariner Hybrid
- P / E Ratio
- Other Documents

## Find what is relevant to YOU

End-users will have different opinions about what is relevant to their research. For example, when searching for articles on "mercury," one user might be interested in the planet; another user might need information on mercury's affect on fish, while another may be interested in the vehicle. TDNet's unique post-search analysis technology allows Searcher Analyzer to empower users to quickly find and access the articles that are relevant to their research.

## The Technology

## Patented search and article analysis technology

Searcher Analyzer features automatic inference of key phrases from documents based on our Automatic Idiomatic Representation Algorithm (US Patent 6,564,210).

- The Key Concepts are identified on-the-fly, not based on set taxonomies;
- Automatic clustering of documents based on the Key Concepts (documents can belong to more than one "cluster");
- A citation "Details" screen allows the user to view a list of the Key Concepts found in the article;
- The citation "Details" screen also displays an article Summary that is automatically generated based on document excerpts that related to a Key Concept.

<b>Title :</b>	<a href="#">Are mercury amalgam fillings safe for children ? An evaluation of recent research results .</a>	<b>Actions</b> <ul style="list-style-type: none"><li>• <a href="#">Print</a></li><li>• <a href="#">Export</a></li><li>• <a href="#">E-mail</a></li><li>• <a href="#">Add to List</a></li></ul>
<b>Author :</b>	Rode D.	
<b>Journal :</b>	Altern Ther Health Med. 2006 Jul-Aug;12 (4):16-7. PMID: 16862738 [PubMed - in process]	
<b>Database :</b>	Database:Medline (PubMed)	
<b>Summary :</b>	Two recent clinical trials on the safety of amalgam fillings in children found no evidence of harmful effects from mercury containing dental fillings after following children for 5-7 years . Mercury amalgam dental fillings : An epidemiologic assessment . Reduced levels of mercury in first baby haircuts of autistic children . Department of Health & Human Services .	
<b>Key Concepts :</b>	Health & Human , levels of mercury , effects of mercury , Dental amalgam , amalgam fillings , dental fillings	

## Search External and Internal Resources

Searcher Analyzer currently supports searching in hundreds of external resources such as full text databases, abstract databases, search portals, websites, library catalogs, and more.

TDNet also has extensive experience in building custom connectors for local resources or repositories. We have crafted hundreds of connectors for specific customers to internal databases using search engines such as Verity, Oracle, etc..

## Standard Interface

The Searcher Analyzer Standard interface includes full federated searching with Searcher Analyzer's unique post-search article analysis and concept clustering technology.

Customers choose the resources that will be searchable, add library branding, and define specific resources to be searchable as a default in a Basic search screen. An Advanced search screen can be customized by the library to organize the available resources into specific groups, such as grouping resources by subject, department, etc.

## Searcher Analyzer Features & Advantages

- ✓ Federated searching of full text collections, A&I sources, catalogs, websites, and local resources
- ✓ Automatic on-the-fly analysis of searches, with results clustered into subject categories, as well as automatic extraction of key concepts and document summaries.
- ✓ Customized Basic and Advanced search screens
- ✓ Standard interface for general access to the federated search & article analysis functions
- ✓ Personal interface with end-user search customization tools, including automated searching and citation storage
- ✓ API for integrating search capability into your library website
- ✓ TDNet and COUNTER statistics reports

## Personal Interface

The Searcher Analyzer Personal interface adds powerful search customization tools for end-users, including:

**My Searches:** create automated searches to receive new citation reports via email or the Searcher Analyzer interface at user-defined intervals;

**My Links:** store article citations for later review, including options to print, email or export the citation to citation manager software such as EndNote or RefWorks;

**Search History:** maintain a record of recent searches across multiple sessions, with options to repeat or edit the search.

To request a demonstration of Searcher Analyzer, contact your local TDNet office or visit:

<http://www.tdnet.com>