spot.my

LIFE SCIENCE

Semantic Tools for Scientific Knowledge

spot.my life science is designed specifically for better searching of biomedical literature and text documents, providing powerful and easy to use new tools to cut through the noise and get straight to the papers you need. spot.my finds papers that PubMed and Google Scholar don't, and it's incredibly easy to use even for very complex searches.

Keyword searches are most researchers' basic tool for finding papers, but they're now 50 years old, and haven't kept pace with the exponentially increasing volume & complexity of modern scientific research. PubMed has grown from 1.8 million abstracts in 1997 to 28 million in 2017 and its articles reflect science's continuously evolving terminologies. Using keyword searches now, we often find that nothing matches, or we have to trawl manually through hundreds of 'hits' to find a useful paper. Effective searches often need specialists to build convoluted Boolean queries covering multiple MeSH terms or synonyms. It's now estimated that researchers in business & academia spend 20% of their time searching for information just to stay well enough informed to do their jobs effectively.

spot.my solves these problems for life science researchers. The harder the query and deeper you want to get into the science, the easier it is to use and the better results you get. Just keep adding words to your query - in any order, as many times as you like. Found a great abstract? – just copy, paste and search. No formatting, no brackets, no ANDs or ORs, just better, more relevant results. spot..my gives you a whole new way of using the literature to power your science.

search using words, or cut and paste whole sentences/paragraphs

or match whole articles using drag & drop

- create personalized subject channels with one click
- learns your personal interests with simple like/dislike
- get alerts automatically when similar papers are published
- instantly share papers and subject channels with colleagues
- save articles to your personal reading list
- cite articles you find with one click

Fast - finds results at the same speed as keyword search, even for complex semantic matches

Easy to Use - use words, sentences & even whole articles as your queries

Relevant - finding more hits that are good matches to your interests, enabling you to stay up-to-date

Personal - adapting to your interests to keep you informed on the latest developments in your field

Simple and intuitive searches giving the most, relevant results - spot.my makes it easy to keep your team fully up-to-date with the most complex areas of science. Even non-specialist users can find the very best results and stay informed about developments in their field without having to learn complex query languages or create multi-line queries to try to add every synonym or MeSH term into their queries.

Key Features:

- **Deep semantic matching:** using all of the words, concepts and context of your query to find relevant matches, **even if they don't share the same keywords**.

- **High relevance literature matches:** the more context is supplied by the user, the better the quality of matches they will get.

- **Reading list**: save papers of interest to your own personal reading library for later study*.

- **Personal subject channels:** setup your own areas of interest, and get alerts when matching articles are published*.

- **Find papers like this:** drag & drop articles of interest into the search box, perform iterative searches or simply find 'more like this' from any results page.

- **Simple sharing and citation:** single click tools for sharing papers with colleagues on email/social media and for copying citations.
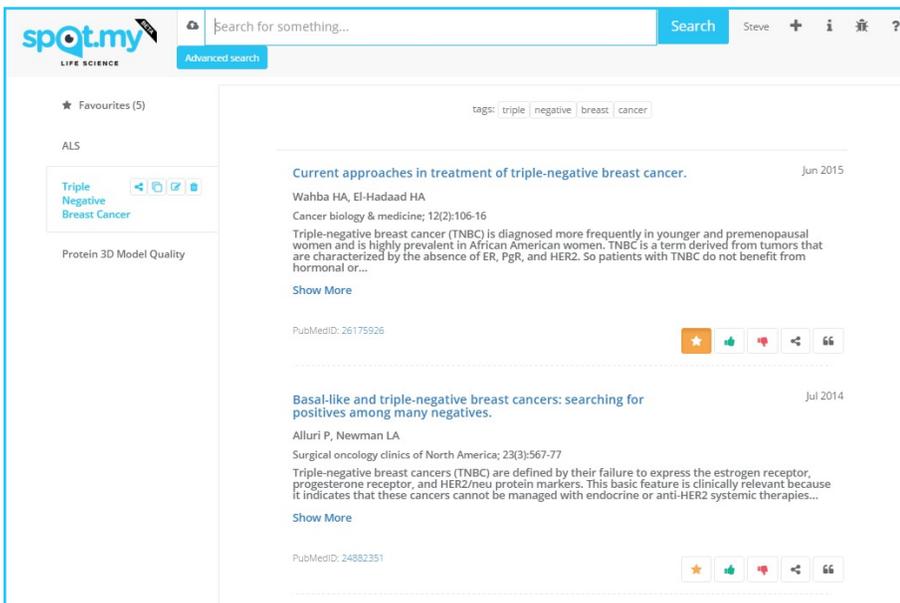
spot.my's personal subject channels enable users to specify their own areas of scientific interest, either using a query result or a series of papers, or a combination of both.

Users can refine the subject channel's matches using the like/dislike buttons for individual articles, and set up alerts when similar new papers are published. New papers or even whole subject channels can be shared with colleagues with a single click.

Deployment Options

spot.my is available in 3 forms:

- the public website (https://lifescience.spot.my) hosting the public biomedical literature (PubMed)

- the public website (https://news.spot.my) scraping news stories from over 30,000 RSS feeds worldwide

- an enterprise-scale deep semantic search engine, which can be delivered behind your firewall. spot.my is ideal for managing your journals, reports and filings as well as unstructured corporate data. The spot.my engine is optimized for the use of GPUs, is horizontally scalable to huge document sets, and has automated document discovery & scraping platforms, and incremental indexing to enable near real-time addition of new documents as they are published.

spot.my life sciences uses RowAnalytics' powerful semantic indexing and search engine, which has been used for:

- semantic searching of textual data such as biomedical literature, legal text, patents and news

- automated creation and maintenance of ontologies, thesauri, controlled vocabularies and knowledge graphs

- semantic searching of image databases to identify pictures that 'look like' other images

* subject channel and reading list features require login to user account