

Full-text search added to the Rogue Scholar science blog archive

Martin Fenner 

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Keywords

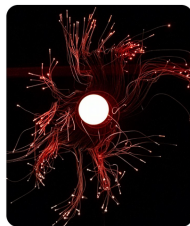
Feature, Rogue Scholar

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Rogue Scholar Posts

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Original Research

Upstream

Attempts at automating journal subject classification

Esha Datta 

May 23, 2023

Traditionally, journal subject classification was done manually at varying levels of granularity, depending on the use case for the institution. Subject classification is done to help collate resources by subject enabling the user to discover publications based on different levels of subject specificity. It can also be used to help determine where to publish and the direction a particular author may be pursuing in their research if one wants to track where their work is being published...

Just Plain Wrong [rants](#)

Sauropod Vertebra Picture of the Week

More on the disturbing plausibility of ChatGPT

Mike Taylor

April 13, 2023

Prompted by a post on Mastodon (which, like all Mastodon posts, I can no longer find), I asked ChatGPT to tell me about my own papers. The response started out well but quickly got much worse. I

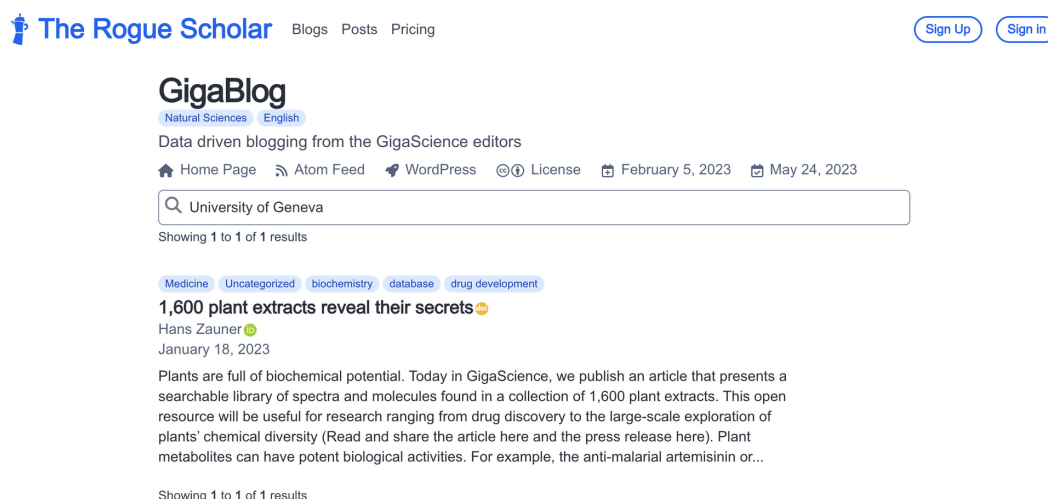
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Front Matter

In January I started the [Rogue Scholar](#) blog archive with the slogan "science blogging on steroids", promising to enhance science blogs in important ways. Earlier this month I began [DOI registrations for blog posts](#), and I am well on track to complete this for the included 35 blogs with more than 1,000 blog posts in the next few weeks. Another promise was the full-text search of blog posts, a functionality that is not typically part of blogging platforms, or that is implemented with only limited functionality.

Today, I am happy to announce the first version of full-text search for all Rogue Scholar content. Full-text search works either for specific blogs and does a much better job of finding relevant content compared to blogging platforms or generic web searches, e.g. this blog post describing the work of a group of researchers from the University of Geneva.



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Home Page Atom Feed WordPress License February 5, 2023 May 24, 2023

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Medicine Uncategorized biochemistry database drug development

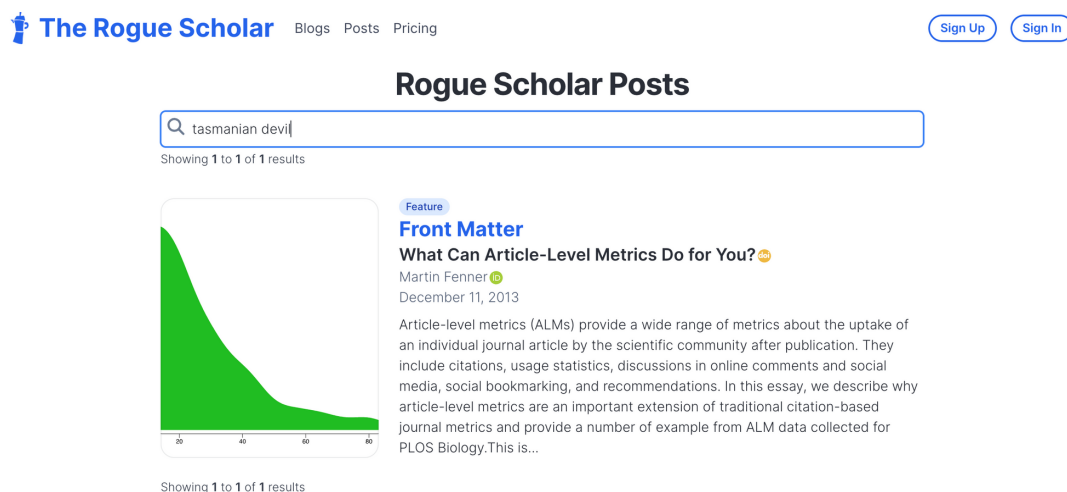
1,600 plant extracts reveal their secrets

Hans Zauner
January 18, 2023

Plants are full of biochemical potential. Today in GigaScience, we publish an article that presents a searchable library of spectra and molecules found in a collection of 1,600 plant extracts. This open resource will be useful for research ranging from drug discovery to the large-scale exploration of plants' chemical diversity (Read and share the article here and the press release here). Plant metabolites can have potent biological activities. For example, the anti-malarial artemisinin or...

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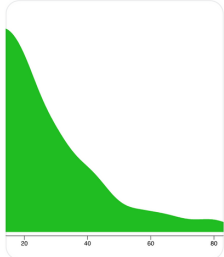
Full-text search also works across all blogs included in the Rogue Scholar, something that would be much harder to accomplish otherwise. A good example are topics widely discussed in the blogosphere such as [COVID](#), [climate change](#), or [ChatGPT](#), but also more obscure content where we don't remember the source, for example, a blog post about the [Tasmanian Devil](#) (a carnivorous marsupial from Tasmania that is severely affected by a transmissible facial tumor that threatens the survival of the species).



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Feature

Front Matter

What Can Article-Level Metrics Do for You?

Martin Fenner
December 11, 2013

Article-level metrics (ALMs) provide a wide range of metrics about the uptake of an individual journal article by the scientific community after publication. They include citations, usage statistics, discussions in online comments and social media, social bookmarking, and recommendations. In this essay, we describe why article-level metrics are an important extension of traditional citation-based journal metrics and provide a number of example from ALM data collected for PLOS Biology. This is...

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The first implementation of full-text search of course has some limitations, mainly:

- Author names not yet included (unless they also appear in the full-text)
- No relevance sorting of results (they are always sorted by reverse publication date)
- Improvements in the search user interface, either a faceted search interface powered by [Elasticsearch](#), or the floating modal search window made popular by Algolia and the [Instantsearch](#) open source library

The Rogue Scholar full-text search is implemented with the [Postgres database full-text search](#), which is a nice alternative to a dedicated search index particularly if you don't need to search millions of documents. And the full-text search was only possible because all blogs participating in the Rogue Scholar agreed to a Creative Commons Attribution ([CC-BY 4.0](#)) license for all their posts.