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Automating systematic reviews with library systems: Are Primo and Alma APIs a pain reliever?

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A photograph of a clear glass filled with water, sitting on a dark, textured surface. Two white, oval-shaped pills are lying on the surface to the right of the glass. A white rectangular box with a thin black border is overlaid on the glass, containing the text 'AUTOMATING SYSTEMATIC REVIEWS WITH LIBRARY SYSTEMS' in white, uppercase letters.

AUTOMATING SYSTEMATIC
REVIEWS WITH LIBRARY SYSTEMS

Are Primo and Alma APIs a
pain reliever?

Peta Hopkins, Bond University
ANZREG 2018

WHAT IS SO PAINFUL ABOUT SYSTEMATIC REVIEWS ANYWAY?

- Accuracy of translating searches across database interfaces
- Volume of citations to be managed and screened for:
 - Relevance to review
 - Availability of full text and download
 - Document delivery requests

I wonder if there is a systematic review on the effect of systematic reviews on repetitive strain injury?

Sounds mind-numbing and tedious

Beahler, Sundheim and Trapp (2000) describe a systematic review that retrieved >40,000 abstracts for screening.

1356 met screening criteria to look at full text

207 were included in the final review



SYSTEMATIC REVIEW ACCELERATOR

The Centre for Research in Evidence-Based Practice goal for systematic reviews is to:







- 2 Weeks from Start to Finish
- Develop a toolset to streamline and automate processes where possible.
- The goals for automating with library systems
 - Find & download full text from subscriptions
 - Batch requests for document delivery

<https://www.crebp.net.au/systematic-review-accelerator/>

CREBP PARTNERSHIP WITH BOND UNIVERSITY LIBRARY

The partnership explored these questions?

- Can Primo APIs be used to find and download full text for a large set of citations?
- Can Alma APIs be used to submit document delivery requests?

Researcher	Library	Developer
		
		

CREBP-SRA x Library Search | Bond Uni x

Secure | <https://apac-tc.hosted.exlibrisgroup.com/primo-explore/search?vid=BOND&lang=e...>

Managed bookmarks Alma & Primo Bookmarklets Pure Digital Tracker TweetDeck MATLAB Other bookmarks

BOND UNIVERSITY LIBRARY HOPKINS, PETA

LIBRARYSEARCH LIBRARY RESEARCH GUIDES E-RESOURCES A-Z JOURNALS CITATION SEARCH ...

Search anything / Everything **ADVANCED SEARCH** **Help & Feedback**

How does this work?

Library Search provides simple, one-stop searching for books and e-books, videos, articles, digital media, and more.

Library Search also helps you manage your research. Sign-in to your account to:

- Check and renew your loans
- Monitor hold and Document Delivery requests
- Request copies of articles from other libraries
- Create favourite lists
- Export citations to RefWorks and Endnote
- View full search results (some databases only show results when you're signed in)

Where can I get help?

[Ask a librarian](#) how to start your search.

A person is shown in silhouette, sitting in a meditative pose on a boat. The background features a sunset over water with palm trees and a wooden railing. The word "WISHLIST" is written in white capital letters inside a white-bordered box at the bottom left of the image.

WISHLIST

- Better documentation on APIs
 - Encoding format – some characters appear to fail submission of requests
- Error messages are not very helpful – really difficult to understand why some requests fail
 - Is Alma sulking? Although within thresholds, unsuccessful requests have to be resubmitted several times. Some just fail altogether – and it's not clear why.
- Find full text and download
 - highlight unfound citations for document delivery request submission and prevent those with full text from being requested.

- Dashboard
- Polyglot Search
- EndNote-Helper
- RevMan Replicant
- My libraries
- Library tools
- Help
- Recommended Tools
- Whats new
- Contact Us

Home / Polyglot Search

Your query

"Thyroid Diseases"[Mesh] OR "Thyroid diseases" OR "Thyroid disease" OR "Thyroid disorder" OR "Thyroid disorders" OR Goiter OR Goitre OR Hypothyroidism OR Hyperthyroidism OR Thyroiditis OR "Graves disease" OR Hyperthyroxinemia OR Thyrotoxicosis OR "Thyroid dysgenesis" OR "Thyroid cancer" OR "Thyroid cancers" OR "Thyroid neoplasm" OR "Thyroid neoplasms" OR "Thyroid nodule" OR "Thyroid nodules" OR "Thyroid tumor" OR "Thyroid tumour" OR "Thyroid tumors" OR "Thyroid tumours" OR "Thyroid cyst" OR "Thyroid cysts" OR "Cancer of the thyroid"

AND

"Prevalence"[Mesh] OR "Epidemiology"[Mesh] OR "Prevalence" OR "Prevalences" OR Epidemiology OR Epidemiological

AND

"Australia"[Mesh] OR Australia OR Australian OR Australasian OR Australasia OR Queensland OR Victoria OR "New South Wales" OR "Northern Territory"

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("Thyroid Diseases"[Mesh] OR "Thyroid diseases" OR "Thyroid disease" OR "Thyroid disorder" OR "Thyroid disorders" OR Goiter OR Goitre OR Hypothyroidism OR Hyperthyroidism OR Thyroiditis OR "Graves disease" OR Hyperthyroxinemia OR Thyrotoxicosis OR "Thyroid dysgenesis" OR "Thyroid cancer" OR "Thyroid cancers" OR "Thyroid neoplasm" OR "Thyroid neoplasms" OR "Thyroid nodule" OR "Thyroid nodules" OR "Thyroid tumor" OR "Thyroid tumour" OR "Thyroid tumors" OR "Thyroid tumours" OR "Thyroid cyst" OR "Thyroid cysts" OR "Cancer of the thyroid")

AND

(Prevalence[Mesh] OR Epidemiology[Mesh] OR Prevalence OR Prevalences OR Epidemiology OR Epidemiological)

AND

(Australia[Mesh] OR Australia OR Australian OR Australasian OR Australasia OR Queensland OR Victoria OR "New South Wales" OR "Northern Territory")

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1.



2.



3.



4.

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