

# CiteSearcher: A Frontend for Google Scholar

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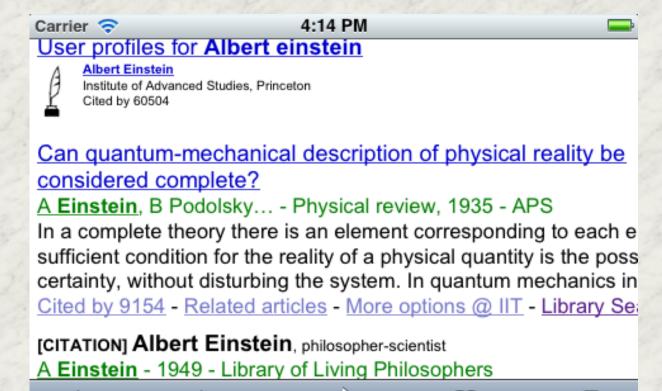
## **Kevin Brandstatter**

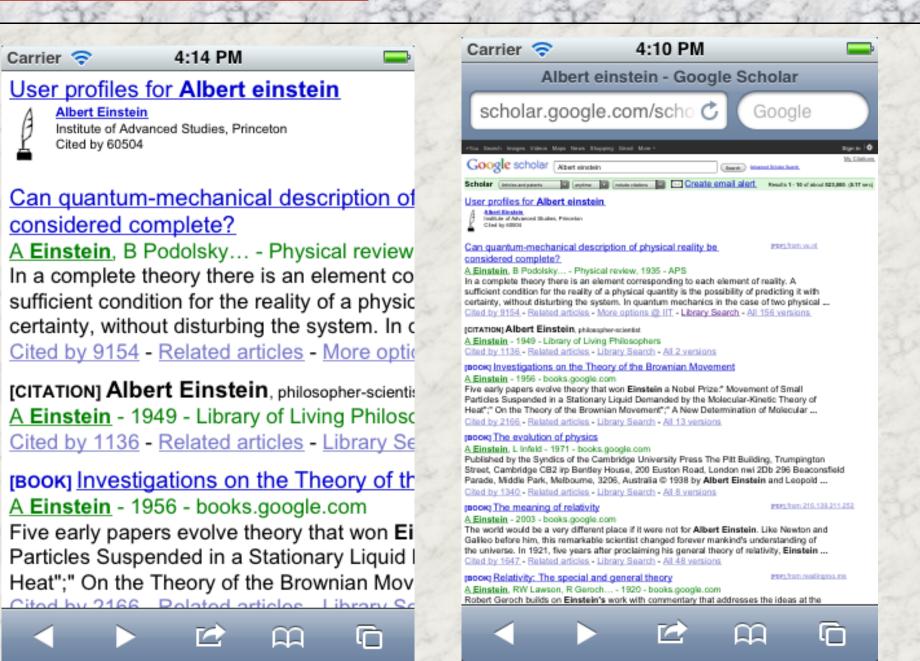
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Google Scholar is a useful search tool to find scholarly articles and papers on the internet. However, it is not built for a small display size such as on mobile phones. As it returns a web page it becomes very crowded and clumsy to navigate the results when viewing on a mobile device. Also, it does not calculate any common performance indices such as the h-Index or g-Index which are useful for determining the impact of the authors of articles and papers. Even though Google scholar now provides similar information with user profiles as results, it's still a cumbersome interface to navigate on mobile devices with small screens that aren't meant for full webpages.

## Google results crowded on tiny screen

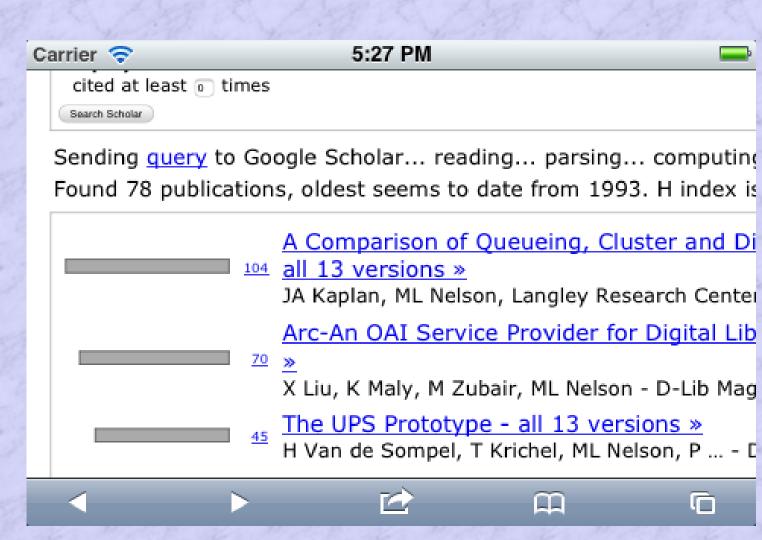






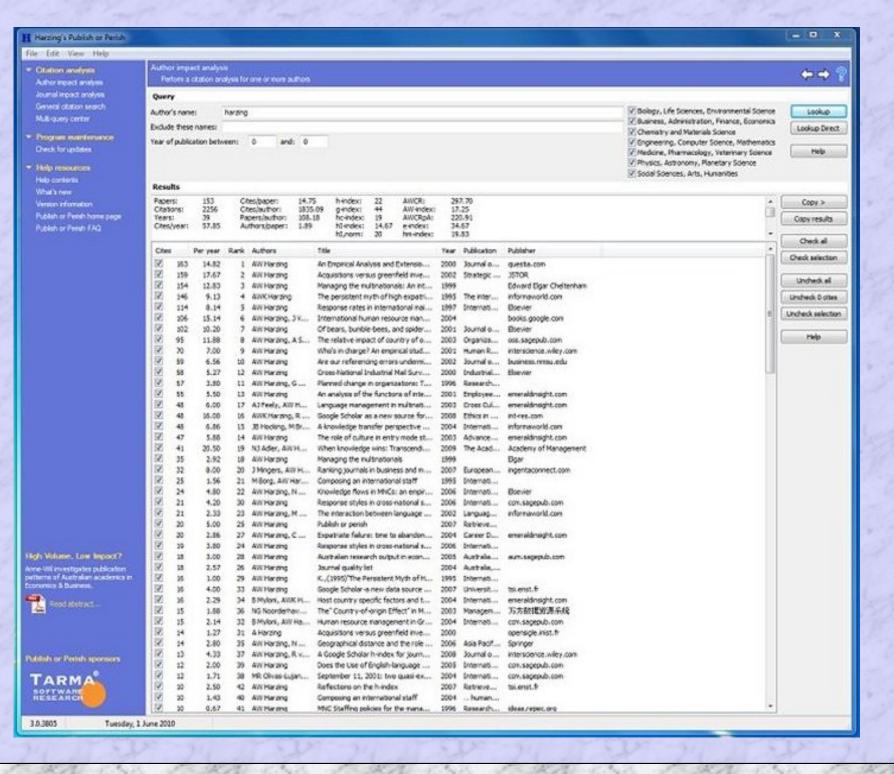
### **ODU scHolarindex:**

. Web based but also awkward on small screens.



## Harzing's public or perish:

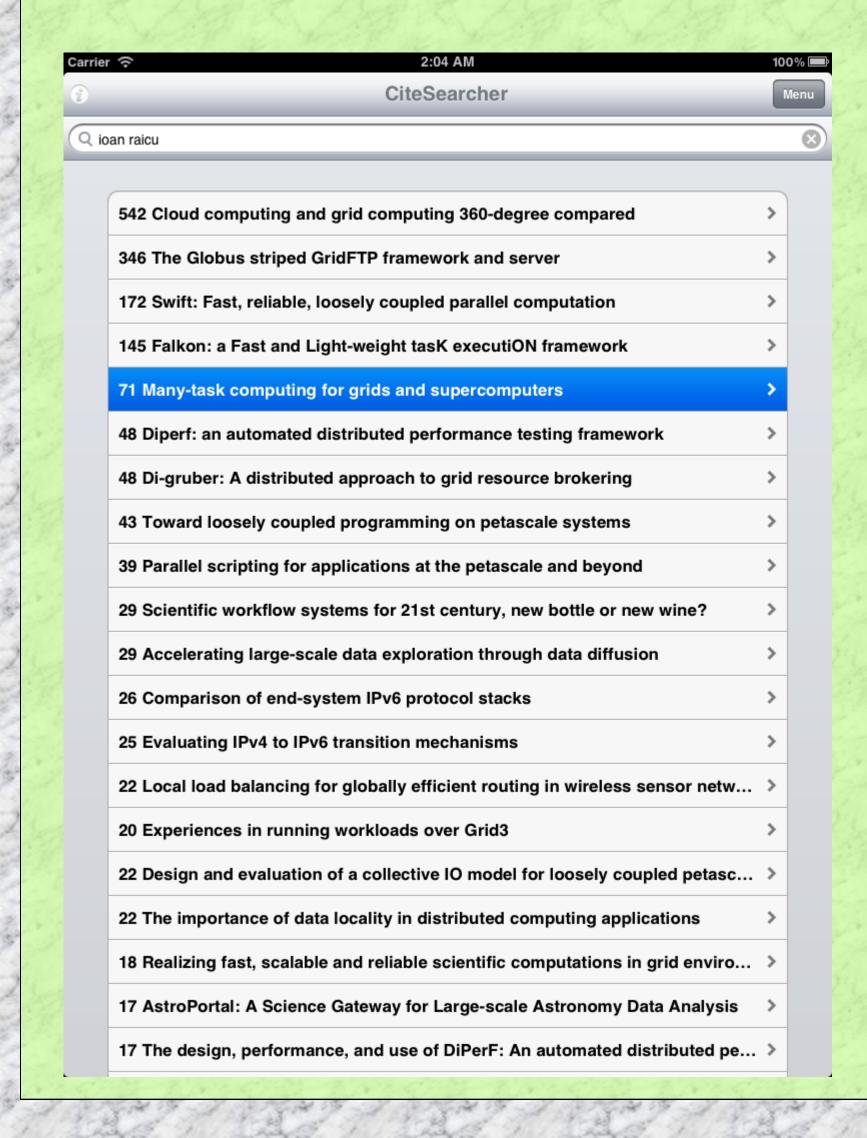
- Limited to Windows, and Mac or Linux using Wine
- No mobile optimized application

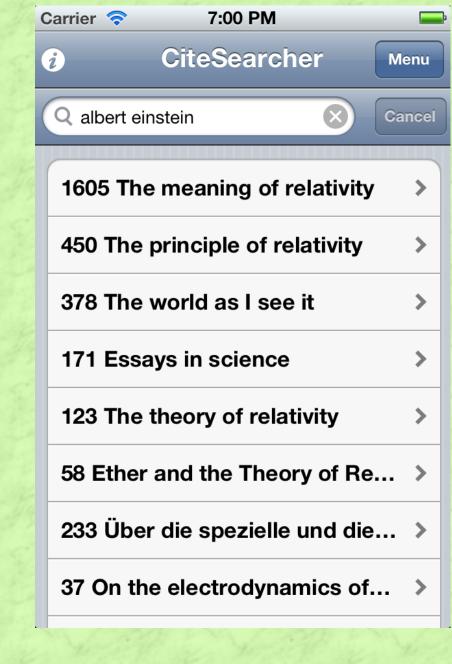


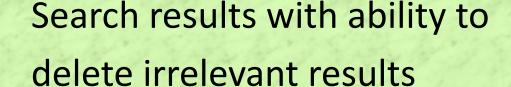
- . Simple easy to use interface to Google scholar for mobile devices
- . Calculate g-Index and h-Index
- Provide links to articles of authors
- . Allow users to remove articles that aren't by the author

- . There is no API for Google Scholar so we had to use http requests to get the results
- . Since the requests returned HTML pages, we used parsers to put the data we needed into structures
- For iOS we used a parser hosted on GitHub by zootreeves
- For Java, we used Jericho HTML parser 3.2
- . To get around Google's block of automated queries, we modified the user-agent field to spoof a normal browser
- Results are put into list views for easy viewing on mobile devices and can be selected to reveal more information.

. iPad Version







Cloud computing and grid computing 360-degree compared The Globus striped GridFTP framework and server Swift: Fast, reliable, loosely coupled parallel computation Falkon: a Fast and Light-weight task

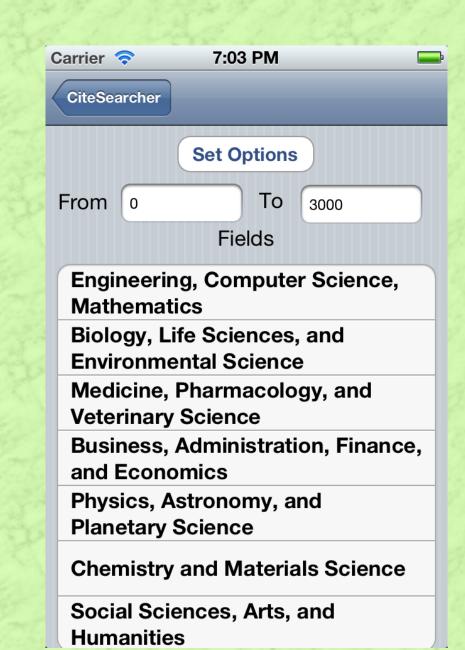
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executiON framework Many-task computing for grids and supercomputers Diperf: An automated distributed performance testing framework Di-gruber: A distributed approach to grid resource brokering Toward loosely coupled programming

on petascale systems

7:01 PM CiteSearcher Q albert einstein 1605 The meaning of relativity 450 The principle of relativity 378 The world as I see it 171 Essays in science 123 The theory of relativity 58 Ether and the Theory of Relat... 233 Über die spezielle und die all...

Search by area of research

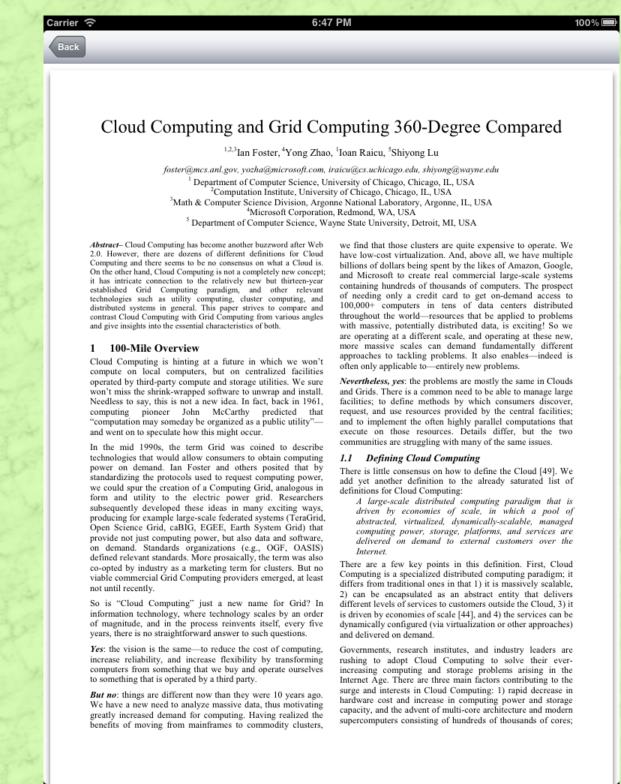


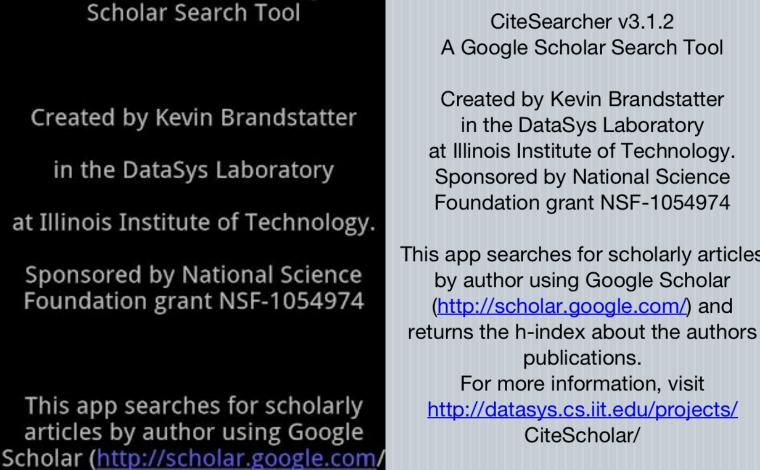


## Articles info with links to PDF view

H-Index, G-Index, Citation Counts

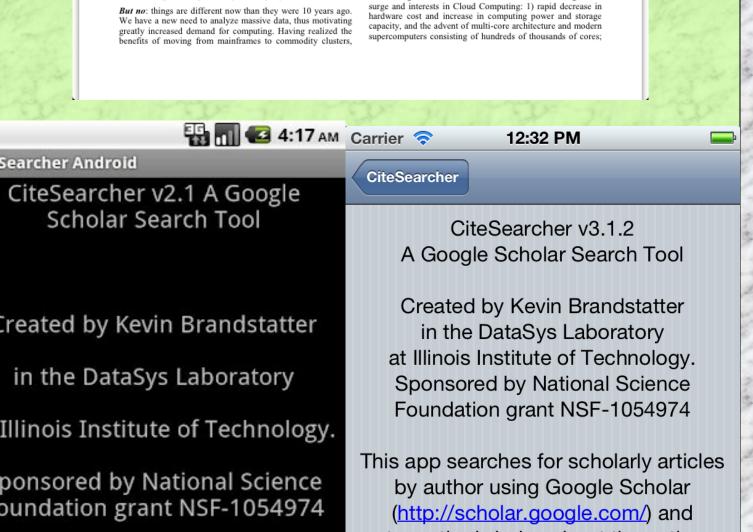






) and

CiteSearcher Android





## CiteSearcher Links

http://datasys.cs.iit.edu/projects/CiteSearcher/ Website:

http://itunes.apple.com/us/app/citesearcher/id453186643?mt=8 iOS: https://market.android.com/details?id=datasys.iit Android:

