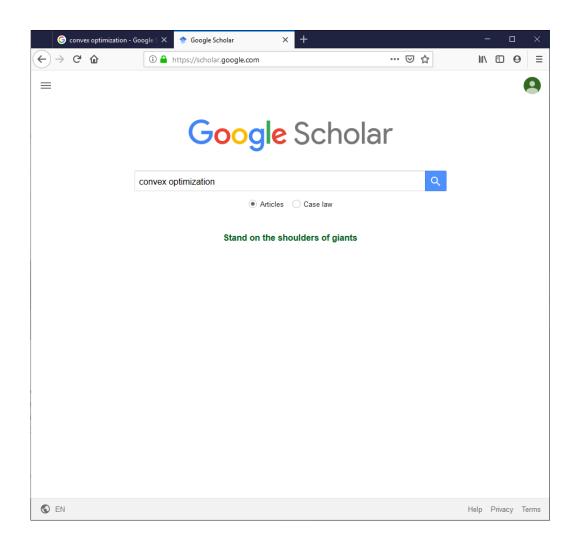
How to do research.

I have 3 basic rules for doing good research.

- Use Google Scholar, and search for peerreviewed papers using keywords.
- 2. Find papers with the highest number of citations (other researchers referencing that paper).
- 3. Look-up the primary author of that paper to see if they are excellent in their field and therefore reliable. h-factor is the metric I use (in Google Scholar).

The following slides will show you an example of this process to find a good paper or book in **3 easy steps**. Don't waste your valuable time "googling" for other sources.

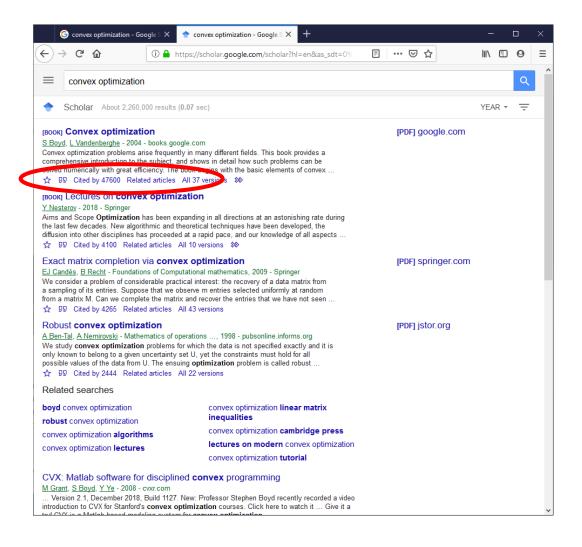




Welcome to Google Scholar! Your research for good articles should start here!

What is **most important** for your research is to find **peer-reviewed publications**. This yields higher quality and more accurate publications than blogs or news articles.

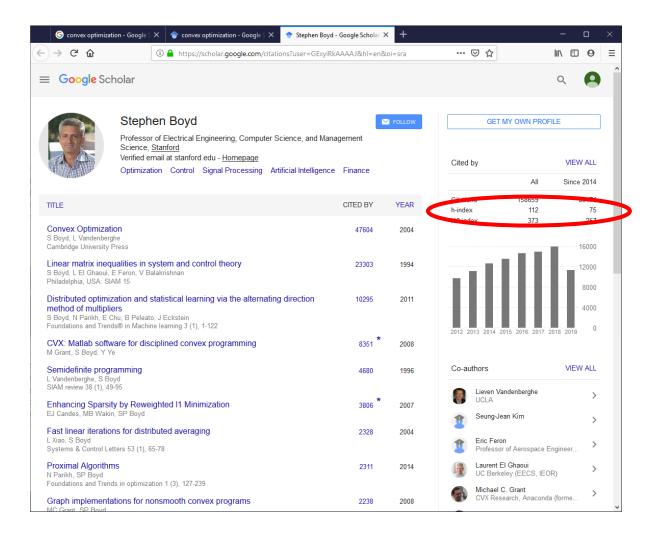
Lets look at Convex Optimization for this example.



This book has 47,600 research papers and books who have cited this authors book.

Wow!!!

In most cases, a value above 40 is good.



After 20 years a "successful scientist" would have an hindex of 20, an "outstanding scientist" would have an hindex of 40, and a "truly unique" individual would have an hindex of 60.

Dr. Boyd has a staggering h-factor=112!!!

By the way, he is THE BEST resource on all things related to convex optimization, and his book "Convex Optimization" is regarded as the primary technical publication on this subject.