



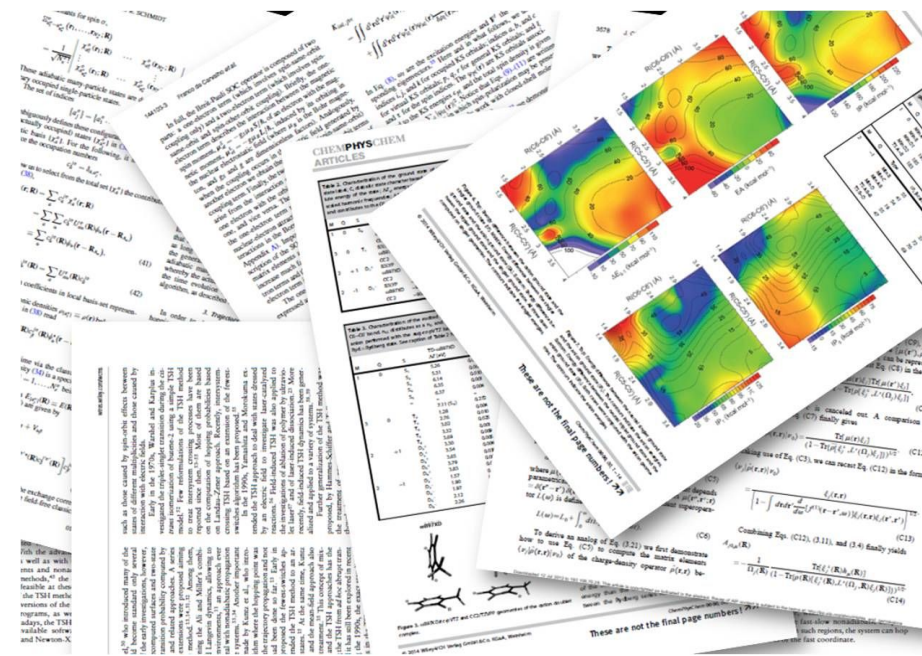
# Research *H'* index

Q.Song, Insight DE  
2016-02



# Want big impact?

## # of publications ?

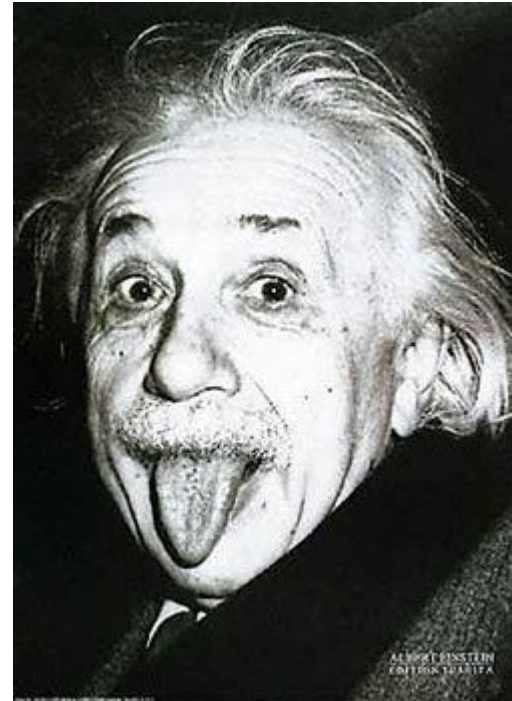




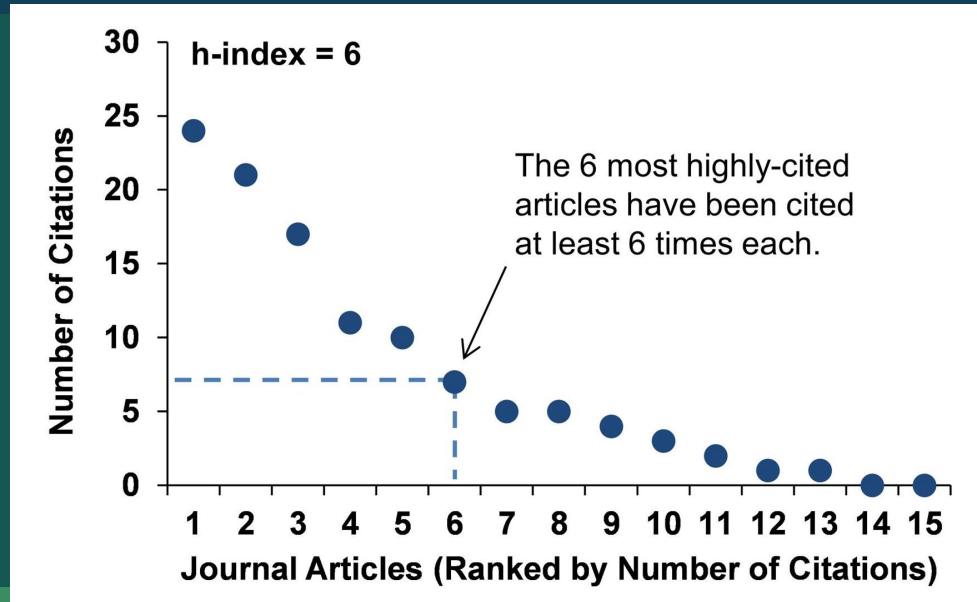
**Want big impact?**

# of publications ?

Age-index ?

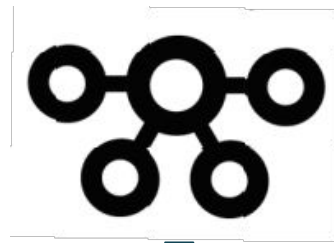


# H-index<sup>[1]</sup>





## Pipeline



4 x t2.large

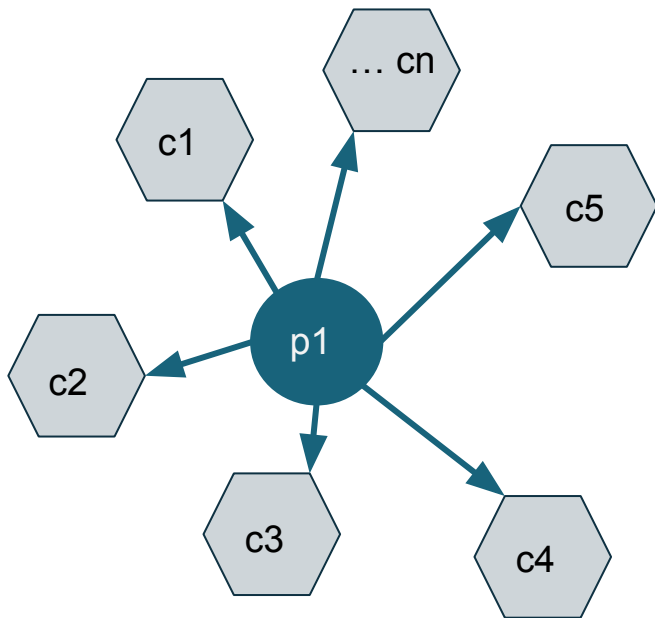


4 x m4.xlarge



## Raw Data:

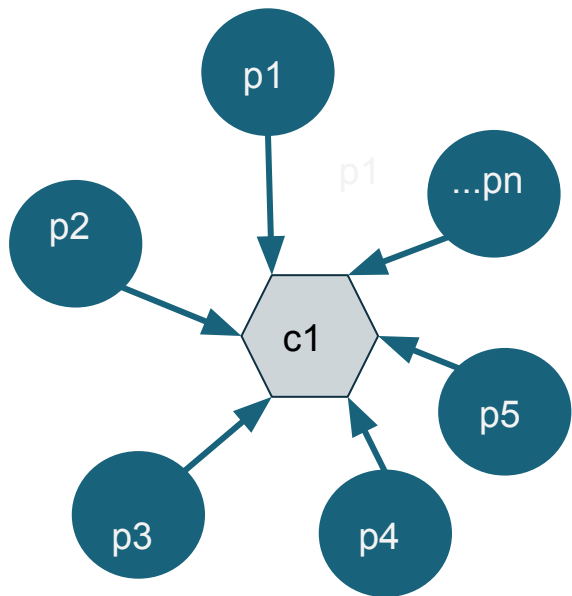
real: 1.4M records, 373K authors, 10M edges, ~ 1.5 G  
simulated: 100M records, ~ 70 GB



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'citations': [1374812],  
'co-authors': ['Murray, Joseph J.',  
               'Gearhart, Roger A.',  
               'Hauser, Todd',  
               'Klein, Paul R.'],  
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calculating ...



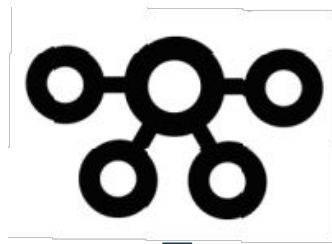
author	publication id	# of cited	publication date
Motter, Adilson E.	618092	25	2003

author	collaborator	num_collab
Banchev, V.Ts.	Vorozhtsov, S.B.	2

author	h-index
Hurley, Kevin	21
Rusch, R.	31



## Challenges





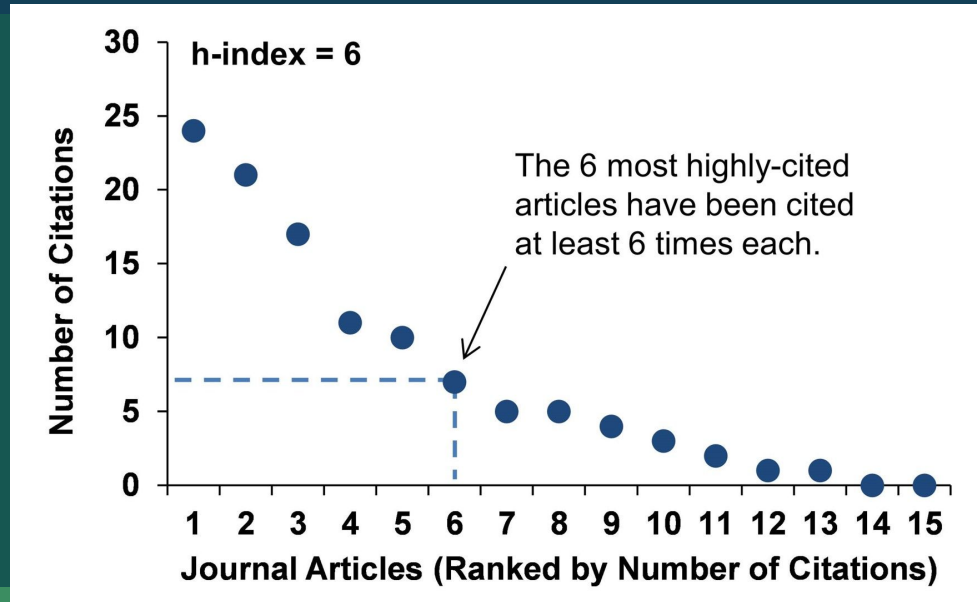
# Qun Song



- PhD in Physics, UBC
- Seismic Imager, CGG



# H-index<sup>[1]</sup>



<http://www.researchindex.xyz/>

[1]: Jorge E. Hirsch, "An Index to Quantify an Individual's Scientific Research Output," Proceedings of the National Academy of Sciences of the United States of America 102, no. 46 (2005): 16569–72.