



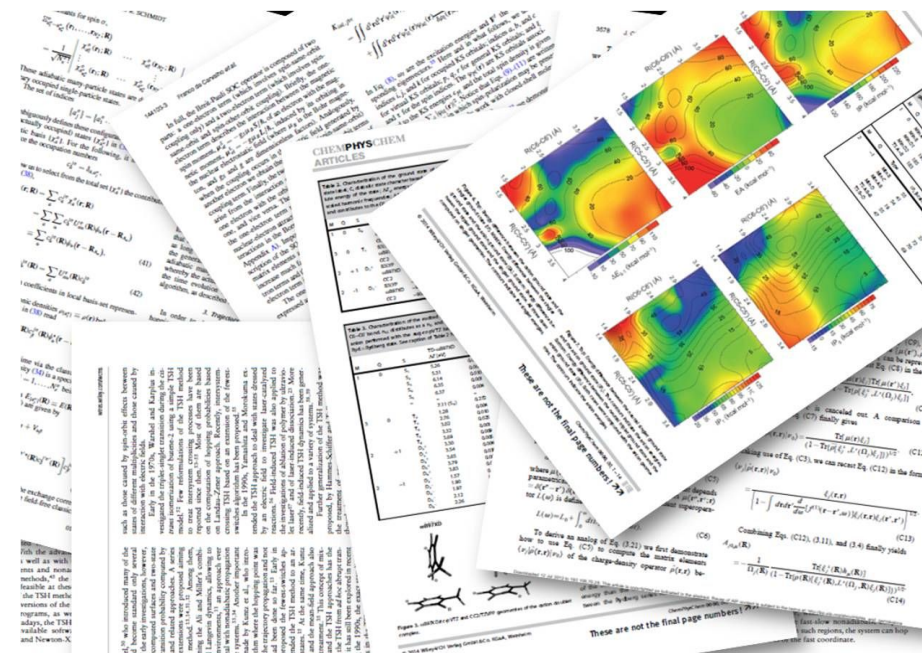
Research *H'* index

Q.Song, Insight DE
2016-02



Want big impact?

of publications ?

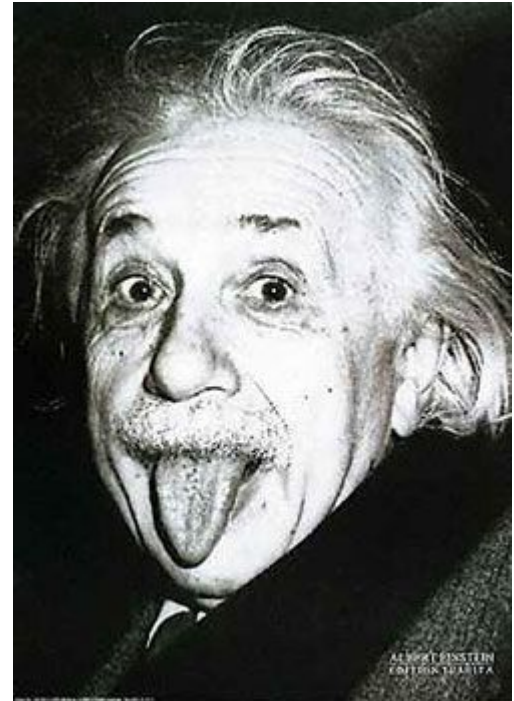




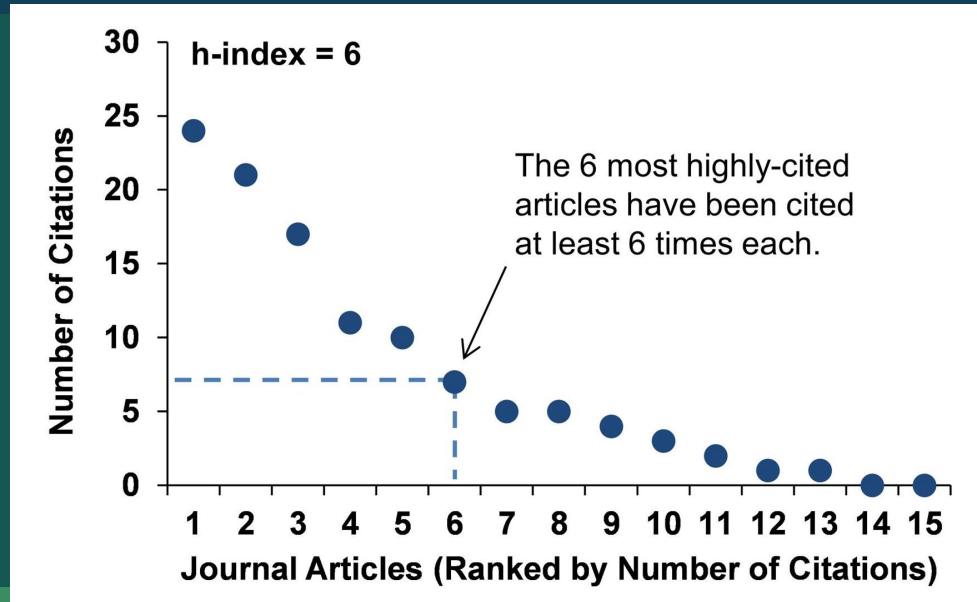
Want big impact?

of publications ?

Age-index ?



H-index^[1]

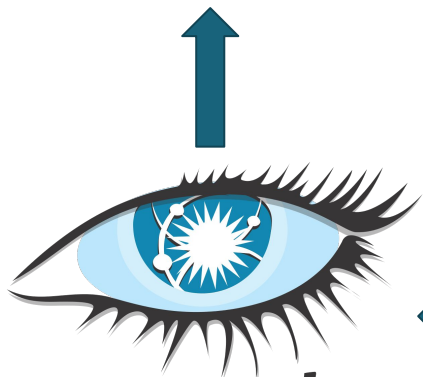


H-index

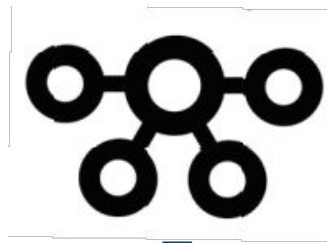




Pipeline



cassandra



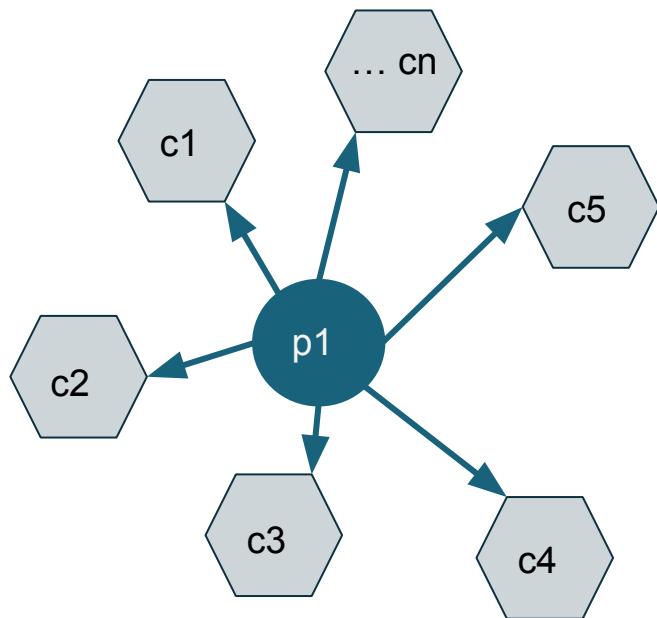
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4 x m4.xlarge
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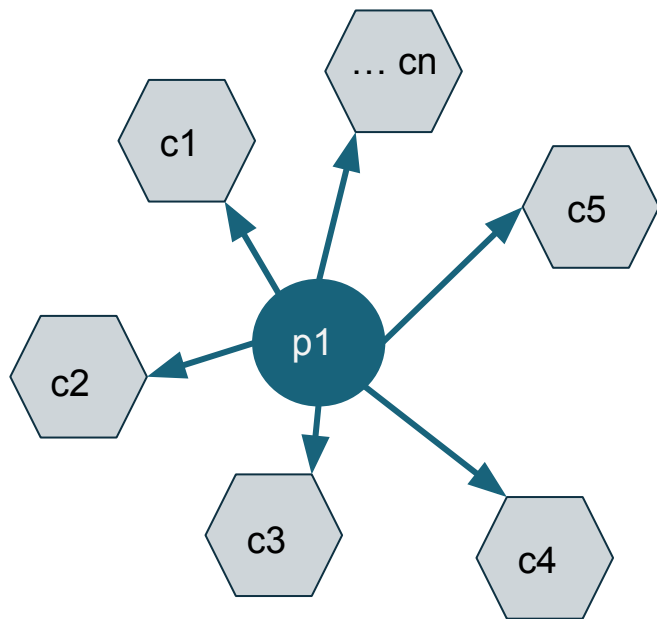
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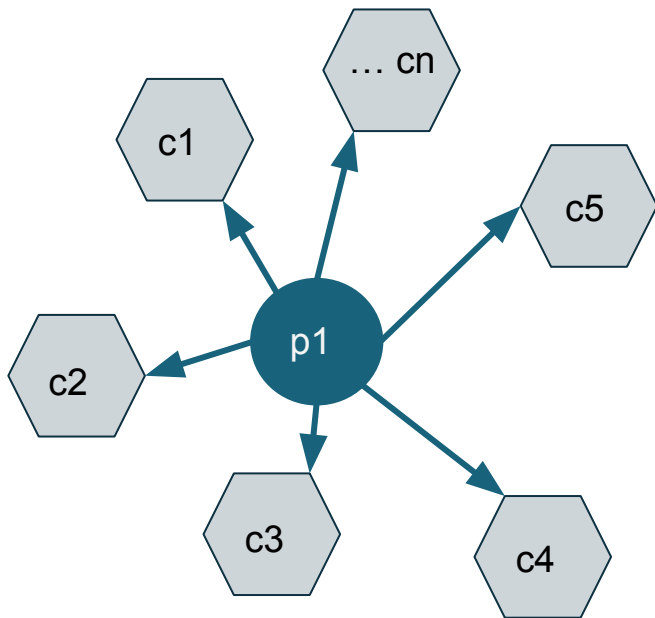
Raw Data:



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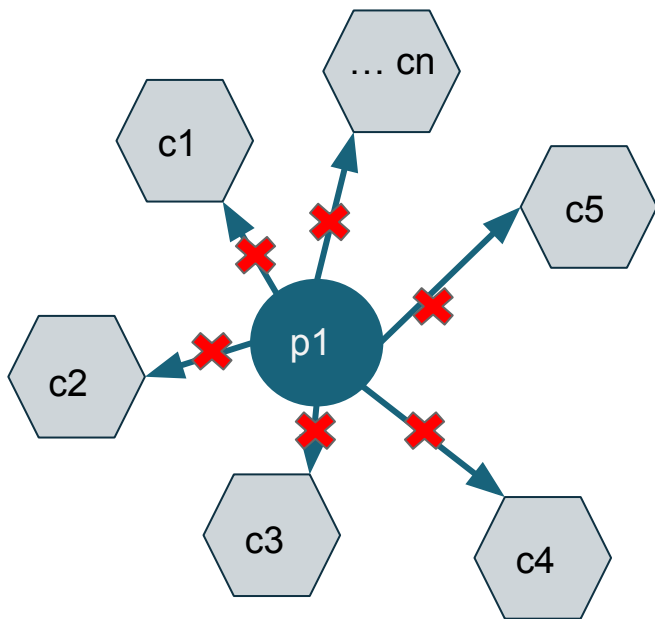

Raw Data:



	Real	Simulated
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Records	1.4 M	100 M
Authors	400 K	1 M
Edges	4 M	500 M



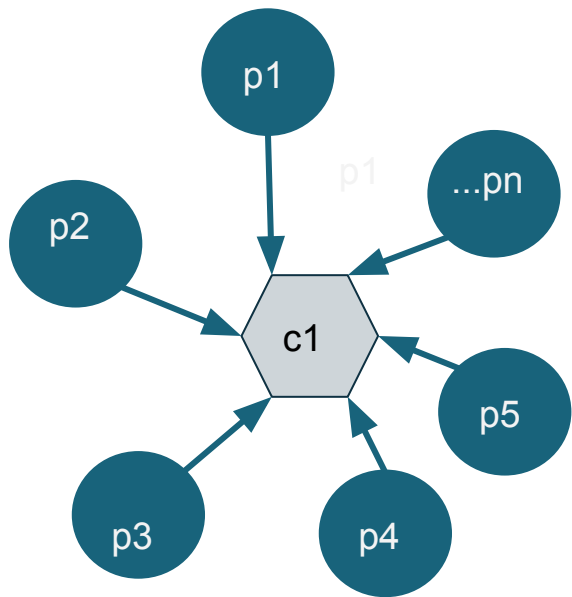
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	Real	Simulated
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Records	1.4 M	100 M
Authors	400 K	1 M
Edges	4 M	500 M



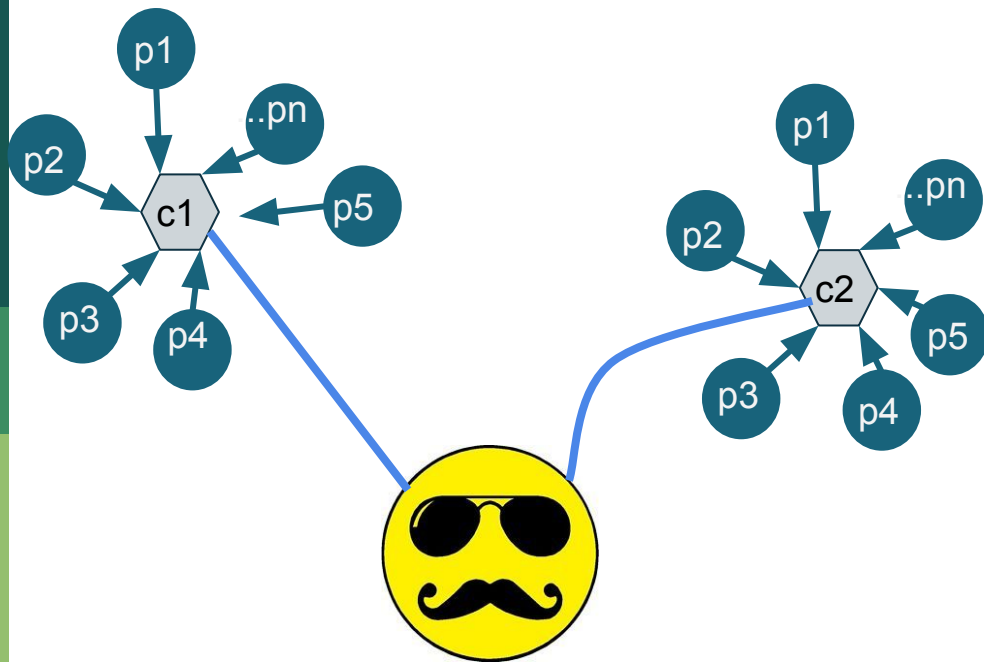
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Records	1.4 M	100 M
Authors	400 K	1 M
Edges	4 M	500 M



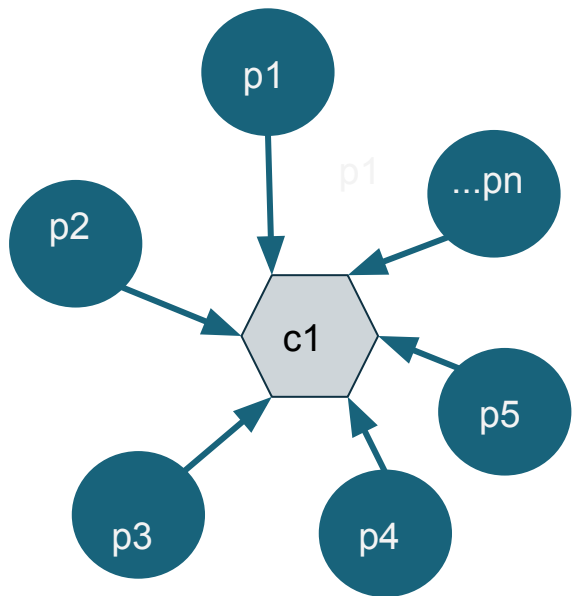
Calculating ...



	Real	Simulated
Size	1.5 G	70 G
Records	1.4 M	100 M
Authors	400 K	1 M
Edges	4 M	50 M



calculating ...



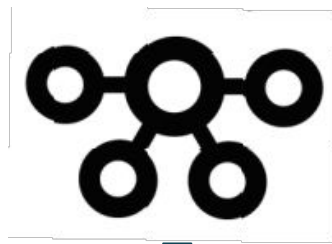
author	publication id	# of cited	publication date
Motter, Adilson E.	618092	25	2003

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

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



Challenges





Challenges



1.5 G



5 G



70 G





Challenges



1.5 G



5 G



70 G

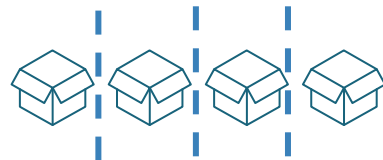




Challenges



70 G



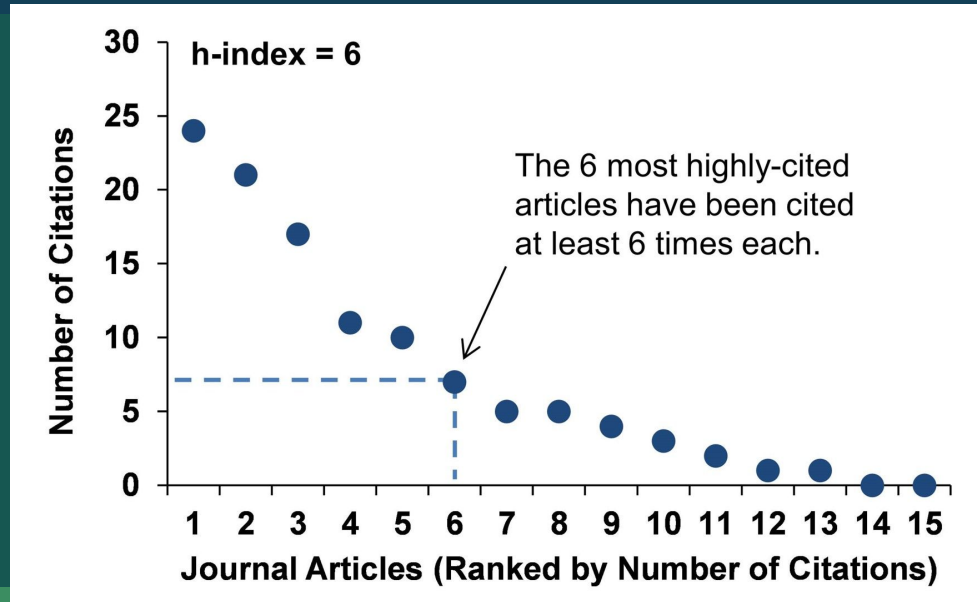
Qun Song



- PhD in Physics, UBC
- Seismic Imager, CGG



H-index^[1]



<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.