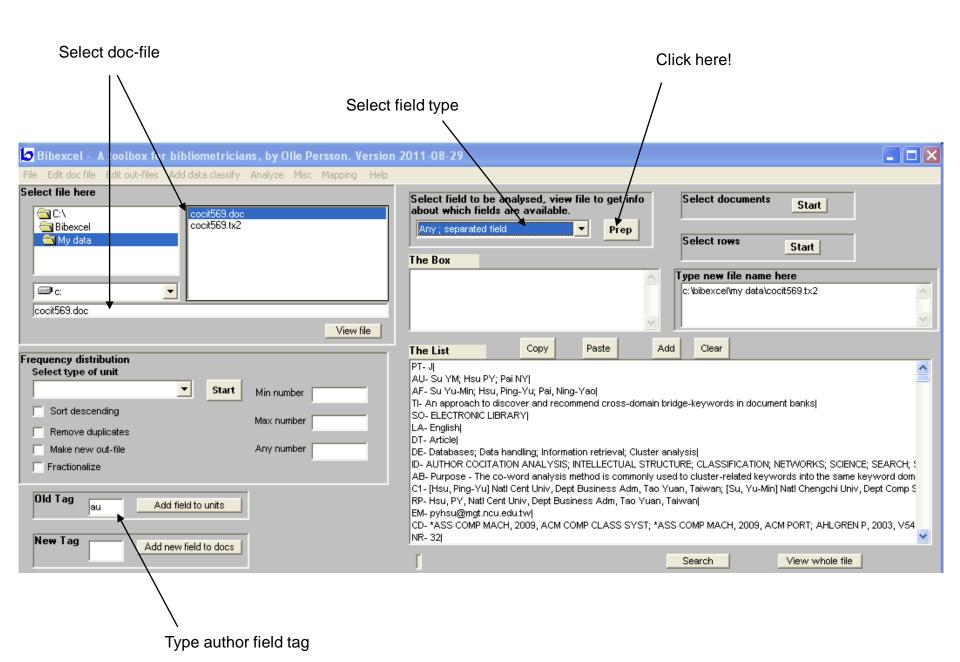
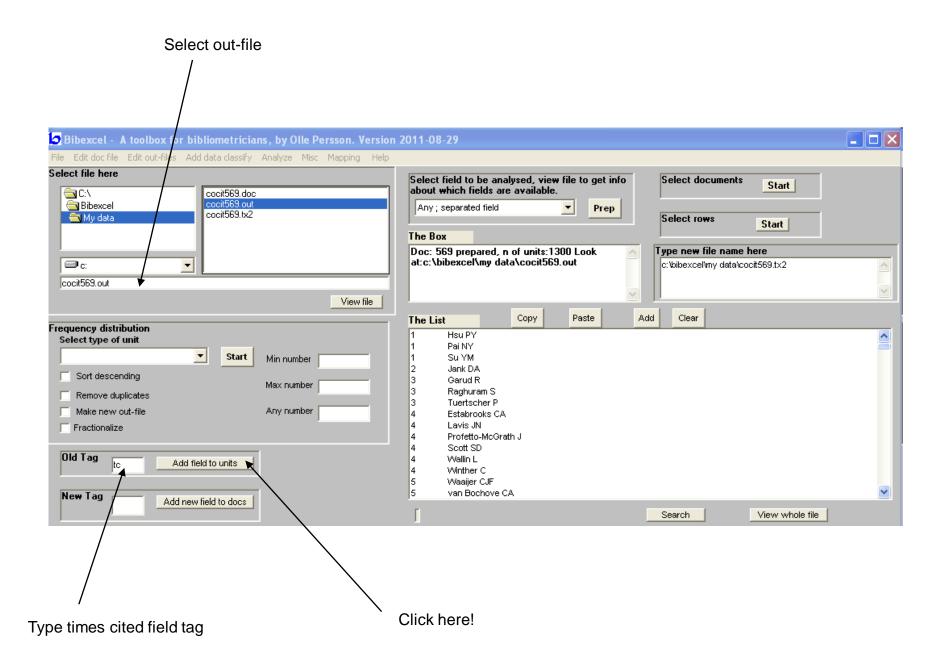
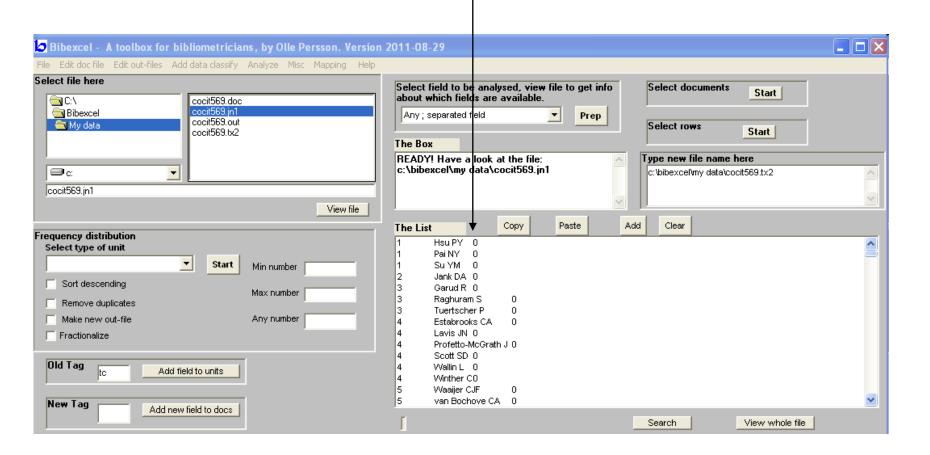
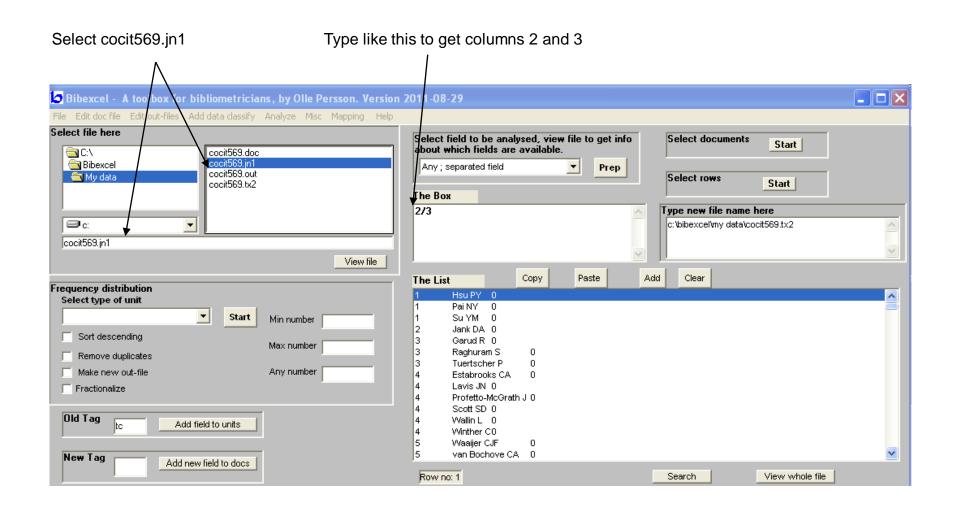
Calculating h-index using Bibexcel





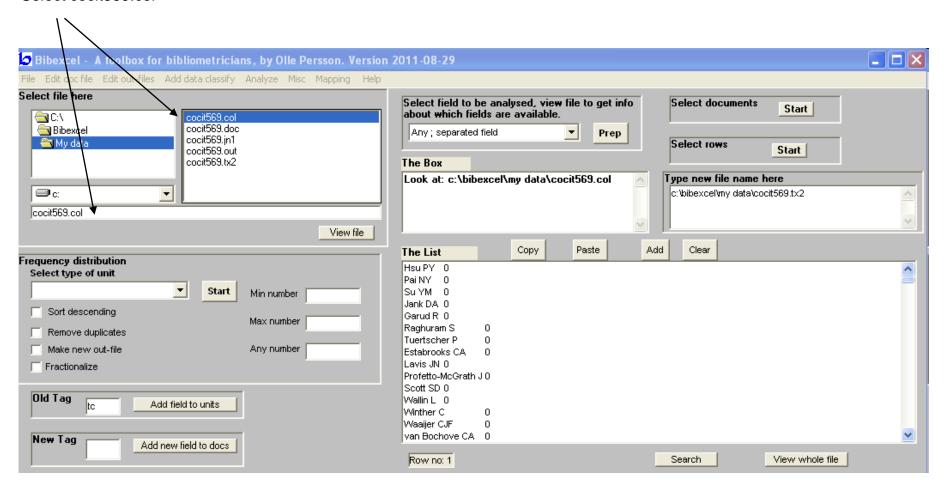
Now, we have 3 columns (doc nr+author+times cited





...then from the menu run Edit outfiles/Select columns

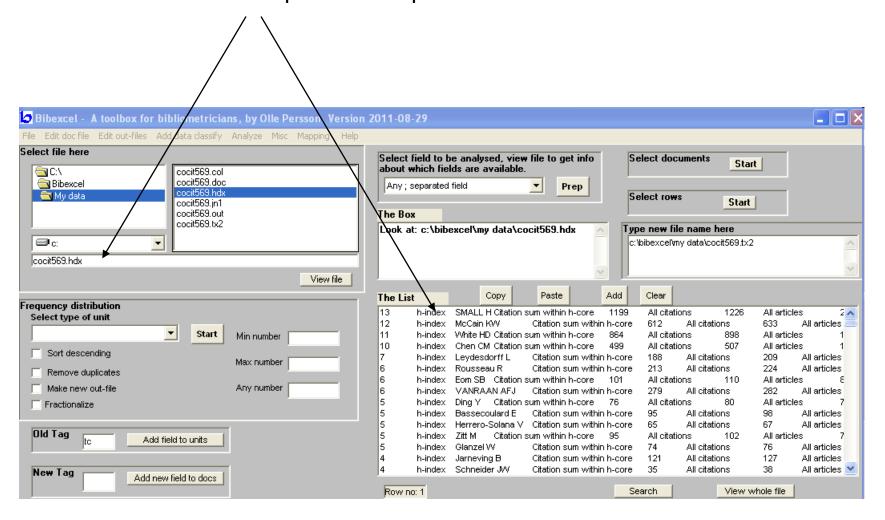
Select cocit569.col



...then from the menu run Analyze/h-index

(answer Yes and OK to questions)

Cocit569.hdx has the h-index data that also can be opened or copied to Excel!



I suggest that you first edit the out-file to correct spelling variants of names! For example VanRaan has several variants!

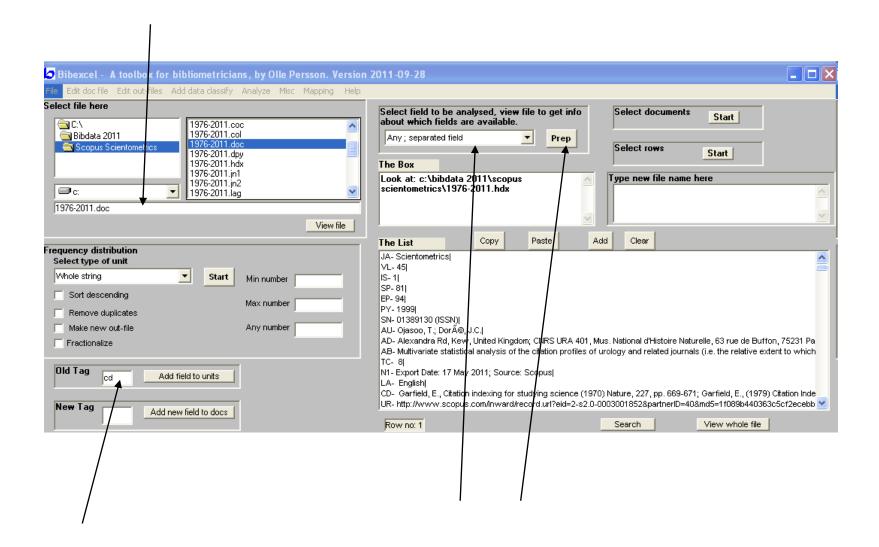
You can of course study h-index of source journals or countries, by producing new out-files before adding times cited data

Calculate author h-index in cited references using Scopus records

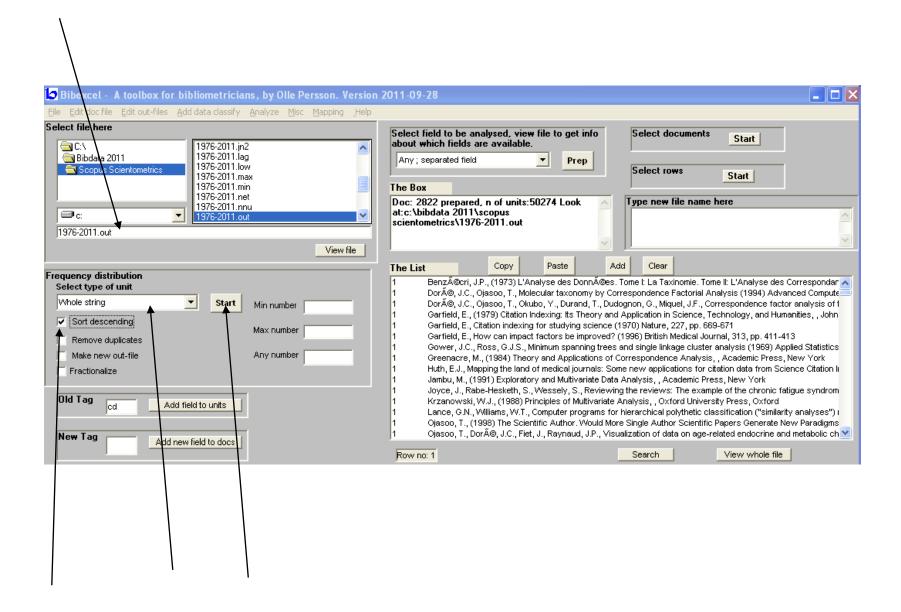
Data:

Records from the journal Scientometrics were downloaded from the Scopus database using ris-format and complete records. With Bibexcel select the scopus ris-file and then run Edit doc-file/Replace line feeds with carriage return. Then select the tx2-file and run Misc/Convert to Dialog format/Convert from Scopus RIS-format.

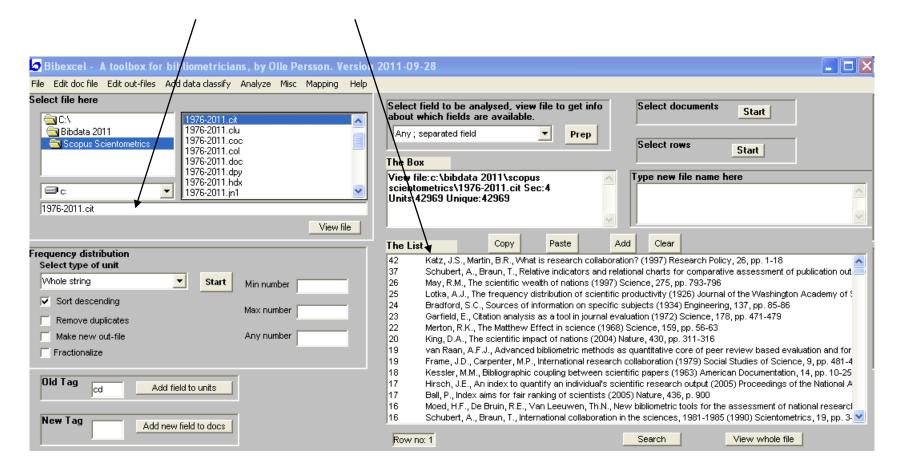
Make an outfile based on the CD-field



Caclulate citation frequencies

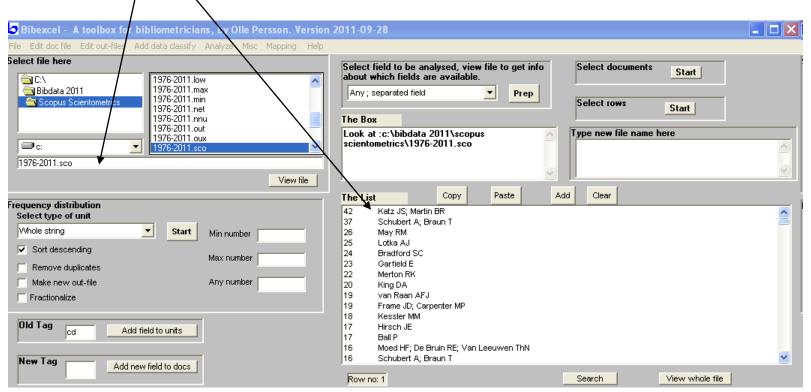


The cit-file has the citation distribution



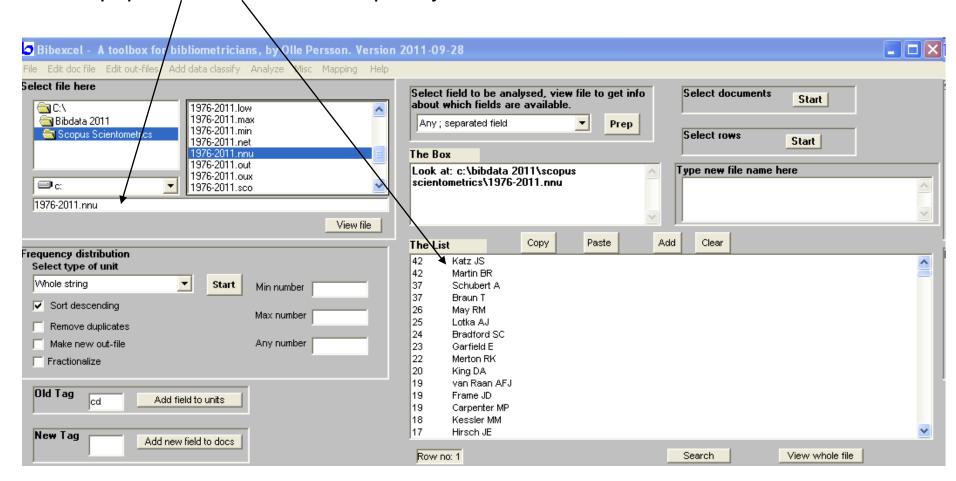
Next run Edit out-files/Scopus tools/Extract all authors from Scopus references

The sco-file has now citations for a given paper and its authors!



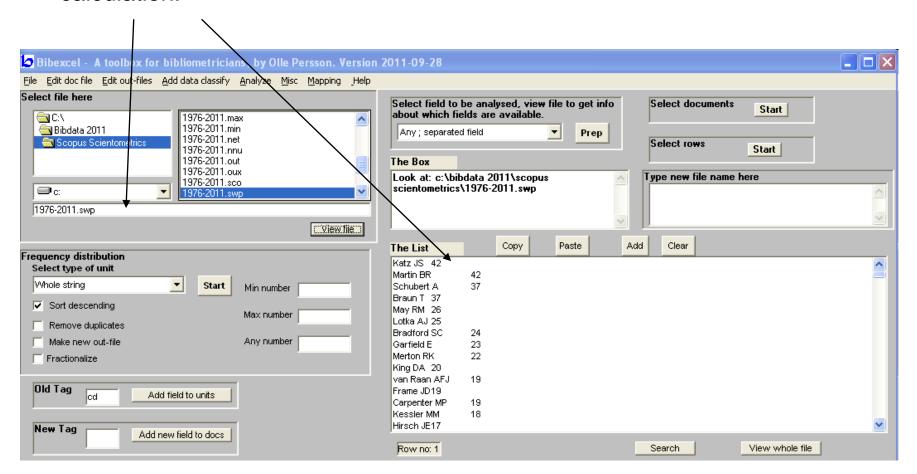
Next run Edit out-files/Decompress out-file

The nnu-file has one row for each author of a given paper and the citation frequency to the left



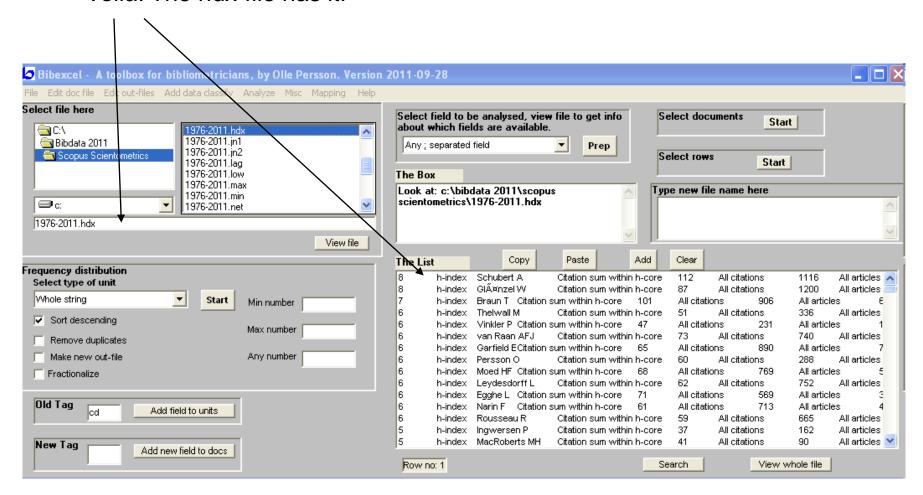
Next run Edit out-files/Swap two columns

The swp-file has now the right format for h-index calculation.

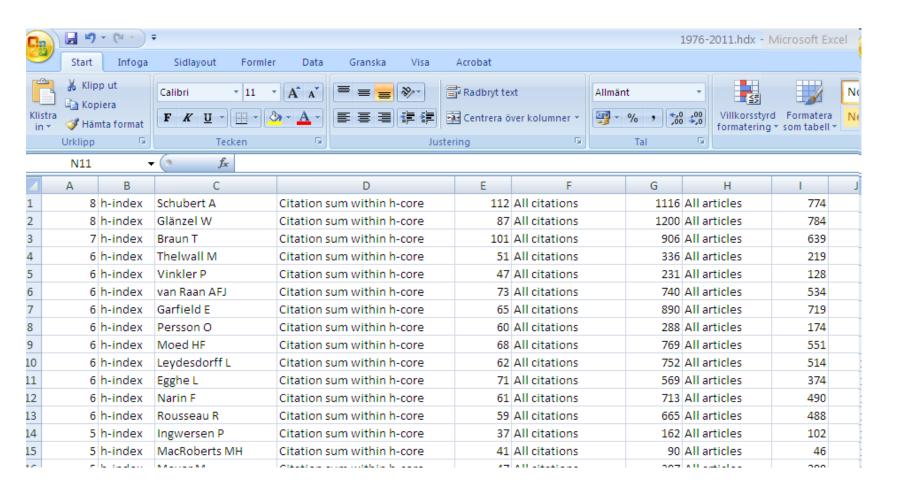


Next run Analyze/h-index

Voilà! The hdx-file has it!



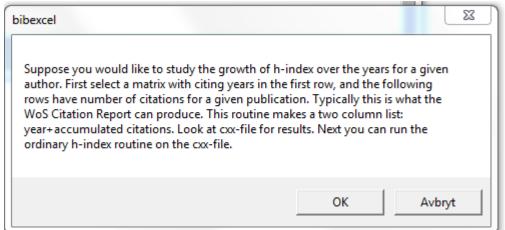
Open the hdx-file in Excel using Unicode (UTF-8) will make it look nicer!

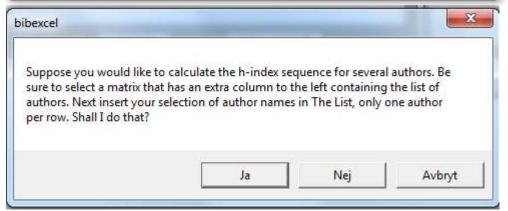


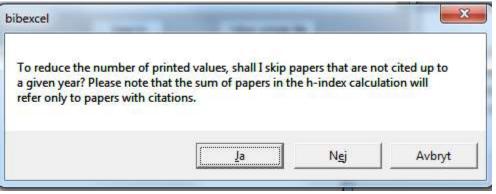
A h-index sequence could be used to study the publication and impact career of an author.

The following exercise is based on a WoS citation report for articles on co-citations. From the Citation report you can easily download to a xls-file with a matrix that for each paper shows the citations over citing years.

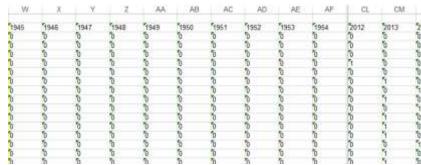
Analyze/H-index growth, a preparatory step







Copy the WoS citation matrix xls-file to a text tabbed file. In BibExcel run *Analyze/H-index growth, a preparatory step*



I edited the author names and inserted a column to the left

Authors edited	1945	1946	2012	2013	2014
Lopezcozar E; Ruizperez R; Jimenezcontreras E	0	0	0	0	0
Alger J	0	O	0	0	0
Calhoun J	0	0	0	0	0
Martocchio J; Webster J; Baker C	0	0	1	0	0
Small H	0	O	O	0	0
Belter C; Seidel D	0	0	0	1	0
Carvalho M; Fleury A; Lopes A	0	O	O	0	1
Chabowski B; Samiee S; Hult G	0	0	O	1	0
Song M; Kim S	0	0	0	0	1
Kodama H; Watatani K; Sengoku S	0	0	0	1	0
Ni C; Shaw D; Lind S; Ding Y	0	0	0	1	0
Shao H; Yu Q; Bo X; Duan Z	0	0	0	1	0
Erdi P; Makovi K; Somogyvari Z; Strandburg K; Toboc	: <mark>h</mark> 0	0	0	0	1
Barirani A; Agard B; Beaudry C	0	0	0	1	0
Ni C; Sugimoto C; Cronin B	0	0	0	1	0
Ni C: Sugimoto C: liang I	'n	n	ľ	4	'n

The resulting cxx-file looks like this!

The List		Сору	Paste
Acedo F/2007	6		
Acedo F/2008	9		
Acedo F/2008	1		
Acedo F/2009	16		
Acedo F/2009	4		
Acedo F/2010	27		
Acedo F/2010	5		
Acedo F/2011	39		
Acedo F/2011	9		
Acedo F/2012	51		
Acedo F/2012	13		
Acedo F/2013	64		
Acedo F/2013	17		
Acedo F/2014	66		
Acedo F/2014	17		

Select the cxx-file and run Analyze/h-index. Open the hdx-file in Excel to study the h-index sequencies in detail

he Lis	t		Сору		Paste		Add	Clear	
h-index	Unit	Citation	sum w	ithin I	n-core	All citat	ions	All arti	cles
15	Small H/2	014	1718		1777	25			
15	Small H/2	013	1705	I	1762	25			
14	Small H/2	009	1219		1251	20			
14	Small H/2	012	1591		1650	25			
14	Small H/2	010	1353		1387	21			
14	Small H/2	011	1478		1523	22			
13	Small H/2	007	1016		1048	20			
13	Small H/2	800	1104		1145	20			
12	White H/2	2014	1090		1096	13			
12	White H/2	2013	1084		1090	13			
12	Small H/2	006	928		964	19			
12	Small H/2	004	791		818	19			
12	Small H/2	005	857		889	19			
12	White H/2	2012	1014		1018	13			

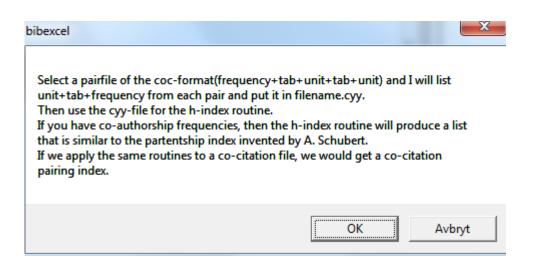
Analyze/H-index from pairs, a preparatory step

A pair file with co-authorship frequencies

The List		Сору		Paste	
7	Vargasquesada	B Chin	chillaro	driguez	Z
6	Zhao D Strotm	ann A			
5	Vargasquesada	B Core	raalvai	rez E	
5	Zitt M Basse	coulard	E		
5	Demoyaanegon l	F Chin	chillaro	driguez	Z
5	Glanzel W	Dem	oor B		
5	Chinchillarodrigu	ez Z	C	oreraalv	arez E
5	Guerrerobote V	Dem	oyaane	gon F	
4	Vaneck N Waltma	an L			
4	Yan E Ding Y				
4	Coreraalvarez E	Mun	ozferna	andez F	
4	Demoyaanegon l	F Core	raalvai	rez E	
4	Moyaanegon F	Herr	erosola	na V	
4	Boyack K Klavan	s R			
4	Janssens F	Dem	oor B		

...and the resulting cyy-file looks like this

The List		Сору		Paste	
Vargasquesada B		7			
Chinchillarodriguez	Z	7			
Zhao D	6				
Strotmann A	6				
Vargasquesada B		5			
Coreraalvarez E	5				
Zitt M	5				
Bassecoulard E	5				
Demoyaanegon F		5			
Chinchillarodriguez	Z	5			
Glanzel W		5			
Demoor B	5				
Chinchillarodriguez	Z		5		
Coreraalvarez E	5				
Guerrerobote V		5			



Select the cyy-file and run *Analyze/h-index* and here you have the partnership index in the hdx-file, and other data as well.

The List	t	Сору	Paste		Add	Clear
h-index	Unit Citation	sum w	ithin h-core	All cita	tions	All articles
4	Chinchillarodrigue:	zΖ	21	31	11	
4	Demoyaanegon F	18	42	19		
4	Vargasquesada B	20	48	20		
4	Coreraalvarez E	18	25	9		
3	Herrerosolana V	12	32	16		
3	Glanzel W	12	32	20		
3	Ding Y 10	28	19			
3	Munozfernandez I	F 12	21	8		
3	Demoor B12	18	9			
2	Kotzab H 4	4	2			
2	Hislop G 4	8	5			
2	Juradoalameda E	4	7	4		
2	Chabowski B	4	8	6		