

How to conduct this study

<http://www.healthup.org.tw/html100/bibliometrian3100.htm>

399 articles

Web of Science 核心合輯中有 399 個結果：

Q. Bibliometric* (主題)

分析結果 引用文獻報告 建立追蹤

限縮依據: 作者: Bornmann, Lutz or Ho, Yuh-Shan or D'angelo, Ciriaco Andrea or Abramo, Giovanni X 全部清除

複製查詢結果連結

出版品 您可能也會喜歡...

限縮結果

在結果內檢索...

依勾選清單篩選 快速篩選

高被引論文 3
 Review Article 19
 Early Access 2
 開放取用 246
 被引參考文獻深度分析 8

0/399 新增至勾選清單 匯出 ▾ 排序依據: 引用次數 : 最高優先 ▾
< 1 / 8 >

1 What do citation counts measure? A review of studies on citing behavior 758
Bornmann, L and Daniel, HD
2008 | JOURNAL OF DOCUMENTATION | 64 (1), pp.45-80
引用文獻
Purpose - The purpose of this paper is to present a narrative review of studies on the citing behavior of scientists, covering mainly research published in the last 15 years. Based on the results of these studies, the paper set ... [顯示更多](#)

Bornmann, Lutz 160
 Ho, Yuh-Shan 118
 D'angelo, Ciriaco Andrea 106
 Abramo, Giovanni 103
 Glänzel, Wolfgang 87
 Ho, Yuh-Shan 84
 Kumar, SATISH 78
 Merigó, José M. 63
 Moed, Henk F. 61

分析結果 引用文獻報告

引用文献									
399 出版品	< 前一年 後一年 >					每年平均引用次數	總計		
	2018	2019	2020	2021	2022				
	總計	1,455	1,908	1,888	2,062	1,269	834.17	15,015	
What do citation counts measure? A review of studies on citing behavior ① Bornmann, L and Daniel, HD 2008 JOURNAL OF DOCUMENTATION 64 (1), pp.45-80	52	83	80	78	47	50.53	758		
Growth rates of modern science: A bibliometric analysis based on the number of publications and cited references ② Bornmann, L and Mutz, R Nov 2015 JOURNAL OF THE ASSOCIATION FOR INFORMATION SCIENCE AND TECHNOLOGY 66 (11), pp.2215-2222	66	86	123	139	70	70.63	565		

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Times Cite	Publication	Journal	ISI PT	Authors	Author Fu	Ti	La Columns	ame	Country	Groups	Research	Commander	regions
2	758	2008	J. Doc.	Bornmann, Lutz(Switzerland)	Bornmann, Lutz	Dan	Bornmann, Lu	tendinop		A	Computer	[Bornmann Bornmann, L (通訊) reference]		
3	564	2015		Bornmann, Lutz(Germany)	Bornmann, Lutz	Mut	Bornmann, Lu	patellofemoral pain		A	Computer	[Bornmann Bornmann, L (通訊) bibliometri		
4	360	2009	J. Power L	Cindrella, L.(U.S)	Cindrella, I	Cindrella, L.	Kannan	A. M.	patellar tendinopathy	A	Chemistry	[Cindrella, Kannan, AM (通訊) Gas diffus		
5	278	2011	Annu. Rev.	Bornmann, Lutz(Switzerland)	Bornmann, Lutz		Bornmann, Lu	expression		A	Computer	ETH, Zurich Bornmann, L (通訊) /		
6	271	2007	Scientome	Chiu, Wen-Ta(Taiwan)	Chiu, WT	Chiu, Wen-Ta	Ho, YI	Ho, Yuh-Shan	tendinopathy	A	Computer	Taipei Med Ho, YS (通訊) author		
7	265	2014	J. Inform	Bornmann, Lutz(Germany)	Bornmann, Lutz		Bornmann, Lu	chronic plantar fasciit		A	Computer	Adm Head Bornmann, L (通訊) Societal in		
8	199	2009	Scientome	Li, Ling-ii(China)	Li, LL	Din Li, Ling-ii	Ding, Guoh	Ho, Yuh-Shan	tendinopathy	A	Computer	[Li, Ling-ii] Ho, YS (通訊) author		
9	194	2009	High. Educ.	Abramo, Giovanni(Italy)	Abramo, C	Abramo, Giovanni	D	Abramo, Giov	skeletal-muscle	A	Education	[Abramo, C Abramo, G (通訊) Research]		
10	173	2013	Sci. Total	Fu, Hui-Zhen(China)	Fu, HZ	W Fu, Hui-Zhen	Wang,	Ho, Yuh-Shan	tendinopathy	A	Environme	Peking Uni Ho, YS (通訊) Drinking wi		
11	155	2012	J. Colloid	Fu, Hui-Zhen(Taiwan)	Fu, HZ	W Fu, Hui-Zhen	Wang,	Ho, Yuh-Shan	patellar tendinopathy	A	Chemistry	[Ho, Yuh-Shan] Ho, YS (通訊) Web of Sci		
12	155	2008	Scientome	Xie, Shaodong(China)	Xie, SD	Z Xie, Shaodong	Zhan	Ho, Yuh-Shan	patellofemoral pain	A	Computer	[Xie, Shao-Ho, YS (通訊) author]		
13	144	2011	Glob. Plan	Li, Jinfeng(Taiwan)	Li, JF	Wai Li, Jinfeng	Wang, Mi	Ho, Yuh-Shan	tendinopathy	A	Physical G	[Ho, Yuh-Shan] Ho, YS (通訊) word clas		
14	142	2012	Chin. J. Ch	Ho, Yuh-Shan(Taiwan)	Ho, YS	Ho, Yuh-Shan		Ho, Yuh-Shan	tendinopathy	A	Engineerin	Asia Univ, Ho, YS (通訊) bibliometri		
15	140	2005	Scientome	Chiu, WT(Taiwan)	Chiu, WT	Chiu, WT	Ho, YS	Ho, YS(Taiwa	patellar tendinopathy	A	Computer	Taipei Med Ho, YS (通訊) author		
16	132	2011	J. Am. So	Leydesdorff, Loet(Netherlan	Leydesdorff, Loet	B	Leydesdorff, L	tendinopathy		A	Computer	[Leydesdorff, Leydesdorff, L (通訊)]		
17	132	2011	J. Am. So	D'Angelo, Ciriac Andrea(ita	D'Angelo, D'	Angelo, Ciriac And	Abramo, C	Abramo, Giovanni	Ho, Yuh-Shan tendinopathy	A	Computer	[D'Angelo, D'Angelo, CA (通訊) Research]		
18	131	2014	Scientome	Abramo, Giovanni(Italy)	Abramo, C	Abramo, Giovanni	D	Abramo, C	Abramo, G (通訊) Research	A	Computer	[Abramo, C Abramo, G (通訊) Research]		
19	130	2016	PLoS One	Haunschmid, Robin(Germany)	Haunschmid	Haunschmid, Robin	B	Haunschmid	Haunschmid, Robi	A	Science &	[Haunschmid Haunschmid, R (通訊)]		
20	130	2012	J. Inform	Bornmann, Lutz(Germany)	Bornmann, Lutz	Sch	Bornmann, Lu	tendinopathy		A	Computer	[Bornmann Bornmann, L (通訊) Chemistry]		
21	127	2011	Neurosci.	Han, Ji-Sheng(Taiwan)	Han, JS	H Han, Ji-Sheng	Ho, Y	Ho, Yuh-Shan	skeletal-muscle	A	Behaviors	[Ho, Yuh-Shan] Ho, YS (通訊) Acupoint]		
22	124	2011	Scientome	Chuang, Kun-Yang(Taiwan)	Chuang, K	Chuang, Kun-Yang	Ho, Yuh-Shan	tendinopathy		A	Computer	[Ho, Yuh-Shan] Ho, YS (通訊) Indicators		
23	124	2010	Scientome	Zhang, Gangfeng(Taiwan)	Zhang, GF	Zhang, Gangfeng	Xi	Ho, Yuh-Shan	tendinopathy	A	Computer	[Ho, Yuh-Shan] Ho, YS (通訊) Volatil or		
24	124	2008	Scientome	Li, Zhi(China)	Li, Z	Ho, Li	Zhi, Ho, Yuh-Shan	Ho, Yuh-Shan	low-back-pain	A	Computer	[Ho, Yuh-Shan] Ho, YS (通訊) author		
25	122	2013	J. Inform	Bornmann, Lutz(Germany)	Bornmann, Lutz	Lev	Bornmann, Lu	skeletal-muscle		A	Computer	[Bornmann Bornmann, L (通訊) Percentile]		
26	120	2012	J. Inform	Abramo, Giovanni(Italy)	Abramo, C	Abramo, Giovanni	D	Abramo, C	Abramo, G (通訊) author	A	Computer	[Abramo, C Abramo, G (通訊) author]		

Downloaded data

AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF
11	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
0	0	56	47	65	63	65	52	83	80	78
0	0	0	0	8	25	48	66	86	123	139
0	0	24	29	32	26	32	25	32	28	30
0	0	0	0	11	26	33	36	33	47	50
0	0	19	18	33	27	27	24	27	22	32
0	0	17	19	20	15	18	22	26	30	24
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0	0	3	8	17	21	18	26	27	16	18
0	0	13	24	13	17	11	24	16	14	23
0	0	4	12	10	12	12	21	24	22	23
0	0	3	16	16	15	13	16	16	21	15
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0	0	4	10	11	10	9	21	16	25	13
0	0	6	12	11	15	14	11	16	17	11
0	0	0	0	0	0	0	0	0	0	9

From citation reports

C	D	E	F	G
		Duplicate		
Bornmann, Lutz	Daniel, Hans-Dieter			
Bornmann, Lutz	Mutz, Ruediger			
Cindrella, L.	Kannan, A. M.	Lin, J. F.	Saminathan, K.	Ho, Yuh-Shan
Bornmann, Lutz	Bornmann, Lutz			
Chiu, Wen-Ta	Ho, Yuh-Shan			
Bornmann, Lutz	Bornmann, Lutz			
Li, Ling-li	Ding, Guohua	Feng, Nan	Wang, Ming-Huai	Ho, Yuh-Shan
Abramo, Giovanni	D'Angelo, Ciriaco	Di Costa, Flavia		
Fu, Hui-Zhen	Wang, Ming-Huai	Ho, Yuh-Shan		
Fu, Hui-Zhen	Wang, Ming-Huai	Ho, Yuh-Shan		
Xie, Shaodong	Zhang, Jing	Ho, Yuh-Shan		
Li, Jinfeng	Wang, Ming-Huai	Ho, Yuh-Shan		
Ho, Yuh-Shan	Ho, Yuh-Shan			
Chiu, WT	Ho, Yuh-Shan			
Leydesdorff, Loet	Bornmann, Lutz	Mutz, Ruediger	Ophof, Tobias	
D'Angelo, Ciriaco	Giuffrida, Cristian	Abramo, Giovanni		
Abramo, Giovanni	D'Angelo, Ciriaco	Andrea		
Haunschild, Robin	Bornmann, Lutz	Marx, Werner		
Bornmann, Lutz	Schier, Hermann	Marx, Werner	Daniel, Hans-Dieter	
Han, Ji-Sheng	Ho, Yuh-Shan			
Chuang Kun-Yen Wong Ming-Huai Ho Yuh Shan				

Author collaboration

	C	D	E	F	G	H	
	0.5	0.5					
	0.5	0.5					
0.142857	0.142857	0.142857	0.142857	0.142857	Equal WCD	0.142857	0..
	0.5	0.5					
	0.5	0.5					
	0.5	0.5					
	0.2	0.2	0.2	0.2	0.2	0.2	
0.333333	0.333333	0.333333					
0.333333	0.333333	0.333333					
0.333333	0.333333	0.333333					
0.333333	0.333333	0.333333					
0.333333	0.333333	0.333333					
	0.5	0.5					
	0.5	0.5					
	0.25	0.25	0.25	0.25			
0.333333	0.333333	0.333333					
	0.5	0.5					
0.333333	0.333333	0.333333					
	0.25	0.25	0.25	0.25			
	0.5	0.5					

Equal weights

	A	B	C	D
1				
2	bornmann, lutz	daniel, hans	2.66667	237
3	bornmann, lutz	mutz, ruedi	2.73452	365
4	cindrella, l.	kannan, a.	0.02381	
5	cindrella, l.	lin, j. f.	0.02381	
6	cindrella, l.	saminathan	0.02381	
7	cindrella, l.	ho, yuh-sha	0.02381	
8	cindrella, l.	lin, c. w.	0.02381	
9	cindrella, l.	wertz, j.	0.02381	
10	kannan, a. m.	lin, j. f.	0.02381	
11	kannan, a. m.	saminathan	0.02381	
12	kannan, a. m.	ho, yuh-sha	0.02381	
13	kannan, a. m.	lin, c. w.	0.02381	
14	kannan, a. m.	wertz, j.	0.02381	
15	lin, j. f.	saminathan	0.02381	
16	lin, j. f.	ho, yuh-sha	0.02381	
17	lin, j. f.	lin, c. w.	0.02381	
18	lin, j. f.	wertz, j.	0.02381	
19	saminathan, k.	ho, yuh-sha	0.02381	

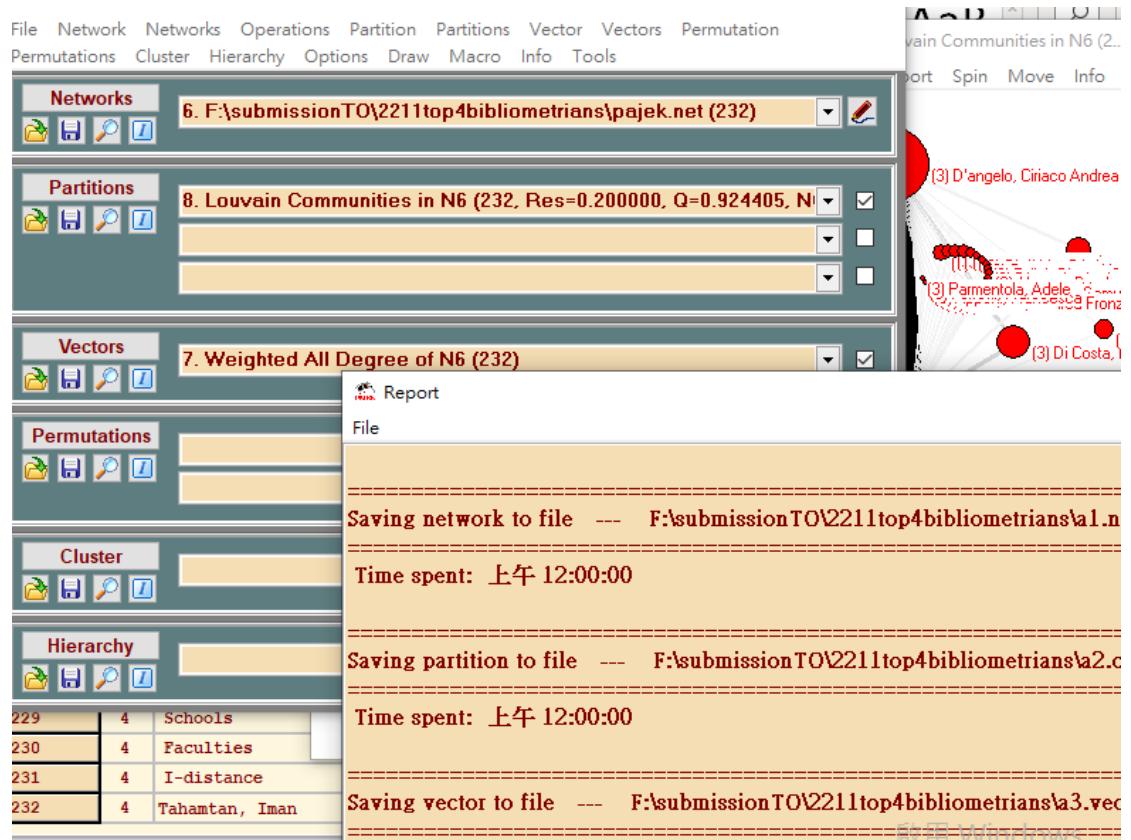
Paired relations

	A	B	C	D	E	F	*Ve
1				A	B	edge	
2	Bornmann, Lutz	77.191667		Bornmann, I	Daniel, Hans	2.66667	
3	Ho, Yuh-shan	53.480952		Bornmann, I	Mutz, Ruedi	2.73452	
4	D'angelo, Ciriaco Andi	43.916667		Cindrella, L.	Kannan, A.	0.02381	
5	Abramo, Giovanni	43.75		Cindrella, L.	Lin, J. F.	0.02381	
6	Haunschild, Robin	12.366667		Cindrella, L.	Saminathan,	0.02381	
7	Marx, Werner	12.116667		Cindrella, L.	Ho, Yuh-sha	0.02381	
8	Leydesdorff, Loet	11.366667		Cindrella, L.	Lin, C. W.	0.02381	
9	Fu, Hui-zhen	9.6666667		Cindrella, L.	Wertz, J.	0.02381	
10	Di Costa, Flavia	9.5		Kannan, A.	Lin, J. F.	0.02381	
11	Cicero, Tindaro	5		Kannan, A.	Saminathan,	0.02381	
12	Wang, Ming-huang	4.0333333		Kannan, A.	Ho, Yuh-sha	0.02381	
13	Chuang, Kun-yang	3.8333333		Kannan, A.	Lin, C. W.	0.02381	
14	Mutz, Ruediger	3.825		Kannan, A.	Wertz, J.	0.02381	
15	Daniel, Hans-dieter	3.6166667		Lin, J. F.	Saminathan,	0.02381	
16	Rosati, Francesco	3		Lin, J. F.	Ho, Yuh-sha	0.02381	
17	Tekles, Alexander	2.5833333		Lin, J. F.	Lin, C. W.	0.02381	
18	Williams, Richard	2.5		Lin, J. F.	Wertz, J.	0.02381	
19	Daniel, Hans-dieter	2.3333333		Lin, J. F.	Lin, C. W.	0.02381	

Nodes and edges

G	H	I	J	K
				* Network C:\temp\eurcoas2.net
	Copy paste			
				*Vertices 232
				1 "Bornmann, Lutz"
				2 "Ho, Yuh-shan"
				3 "D'angelo, Ciriaco Andrea"
				4 "Abramo, Giovanni"
				5 "Haunschild, Robin"
				6 "Marx, Werner"
				7 "Leydendorff, Loet"
				8 "Fu, Hui-zhen"
				9 "Di Costa, Flavia"
				10 "Cicero, Tindaro"
				11 "Wang, Ming-huang"
				12 "Chuang, Kun-yang"
				13 "Mutz, Ruediger"
				14 "Daniel, Hans-dieter"
				15 "Rosati, Francesco"
				16 "Tekles, Alexander"
				17 "Williams, Richard"
				18 "Bauer, Johann"
				19 "Solazzi, Marco"
				20 "Hartley, James"
				21 "Monge-najera, Julian"
				22 "Murgia, Gianluca"

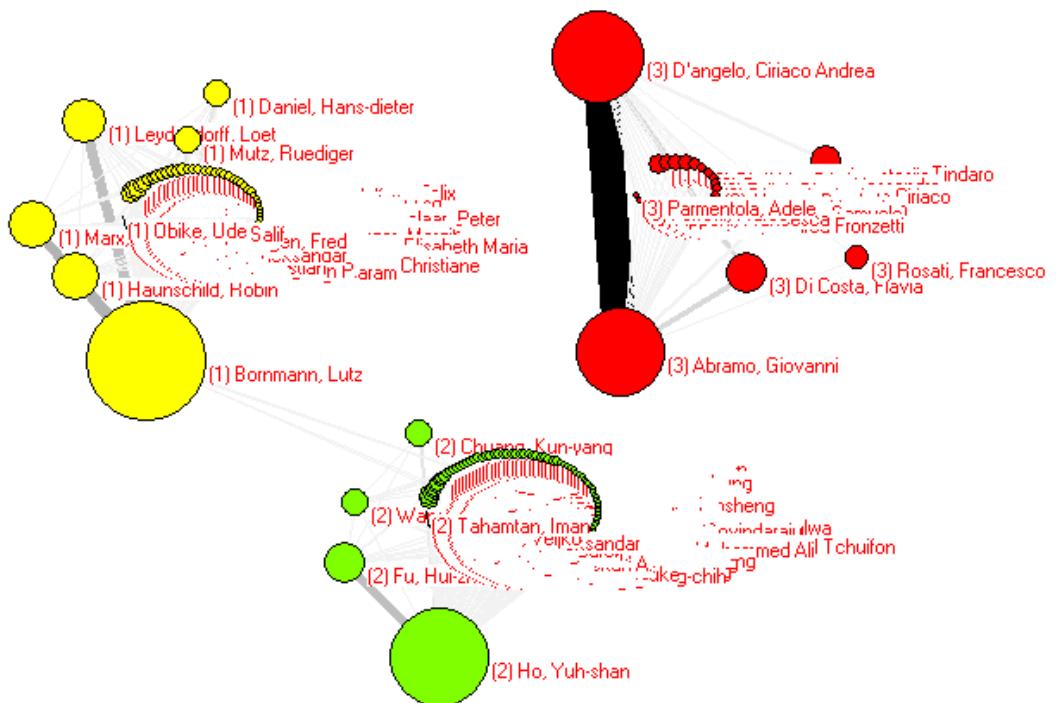
Pajek code



Clusters

F:\submissionTO\2211top4bibliometrians\pajek.net (232) / C8. Louvain Communities in N6 (2... — □

ut Layers GraphOnly Previous Redraw Next Options Export Spin Move Info FishEye Wait



Pajekb4

File Network Networks Operations Partition Partitions Vector Ve
Permutations Cluster Hierarchy Options Draw Macro Info Tools



Downloaded data from pajek

A	B	C	D	E	F	G	H	I
*Vertices	232		232			*Vertices		
1	Bornmann,	0.2059	0.4841	0.5				
2	Ho, Yuh-sh	0.444	0.8493	0.5				
3	D'ang	0.5728	0.1104	0.5				
4	Abramo, G	0.591	0.4735	0.5				
5	Haunschild	0.1485	0.38	0.5				
6	Marx, Wen	0.1134	0.3163	0.5				
7	Leydesdorf	0.1555	0.189	0.5				
8	Fu, Hui-zhe	0.3669	0.7325	0.5				
9	Di Costa, F	0.6933	0.3758	0.5				
10	Cicero, Tin	0.7577	0.2378	0.5				
11	Wang, Min	0.3754	0.6582	0.5				
12	Chuang, K	0.4272	0.5732	0.5				
13	Mutz, Ruec	0.2395	0.2123	0.5				
14	Daniel, Hai	0.2633	0.155	0.5				
15	Rosati, Fra	0.7829	0.3567	0.5				
16	Tekles, Ale	0.1939	0.2787	0.5				
17	Williams, F	0.1961	0.2749	0.5				
18	Bauer, Joha	0.1985	0.2713	0.5				
19	Solazzi, Ma	0.6221	0.2427	0.5				
20	Hartley, Jai	0.4351	0.6537	0.5				
21	Monge-naj	0.4359	0.6503	0.5				

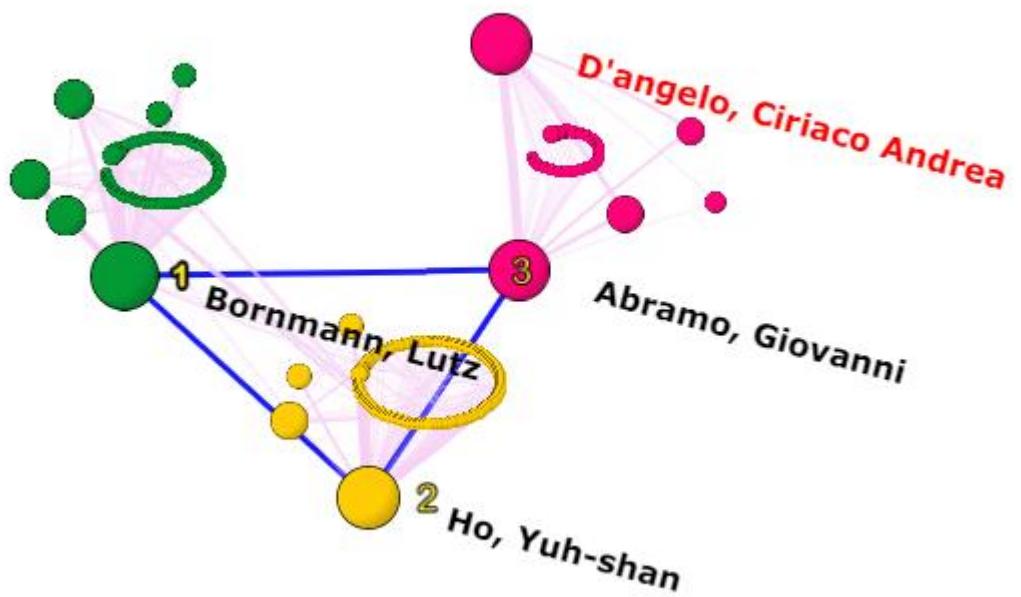
Loading data into MSExcel

	A	B	C	D	E	F
1		y	x	399	0.54	*Vi
2	Bornmann, Lutz		1.59	-52.938	77.191667	0.54
3	Ho, Yuh-shan		-34.93	-10.08	53.480952	0.50
4	Abramo, Giovanni		2.65	16.38	43.916667	0.48
5	D'angelo, Ciriaco Andrea		38.96	13.104	43.75	0.48
6	Haunschild, Robin		12	-63.27	12.366667	0.32
7	Marx, Werner		18.37	-69.588	12.116667	0.32
8	Leydesdorff, Loet		31.1	-62.01	11.366667	0.31
9	Fu, Hui-zhen		-23.25	-23.958	9.666667	0.30
10	Di Costa, Flavia		12.42	34.794	9.5	0.29
11	Cicero, Tindaro		26.22	46.386	5	0.22
12	Wang, Ming-huang		-15.82	-22.428	4.0333333	0.20
13	Chuang, Kun-yang		-7.32E+00	-13.104	3.8333333	0.20

Data prepared in MSEExcel

A	B	C	D	E	F	G	H
1	<!--					google map	
2	#include						
3	file="../A						
4	DOFunctions.asp" --						
5	>						
6	<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">						
7	<html>						
8	<html xmlns="http://www.w3.org/1999/xhtml">						
9	<head>						
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11	<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />						
12	<title>PaperABC_GoogleMap</title>						
13	<meta name="viewport" content="width=device-width; initial-scale=1.0">						
14	<script src="../autoadjust/js/jquery-1.7.1.min.js"></script>						
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16	<script src="../autoadjust/js/forms.js"></script>						
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20	<script>						
21							

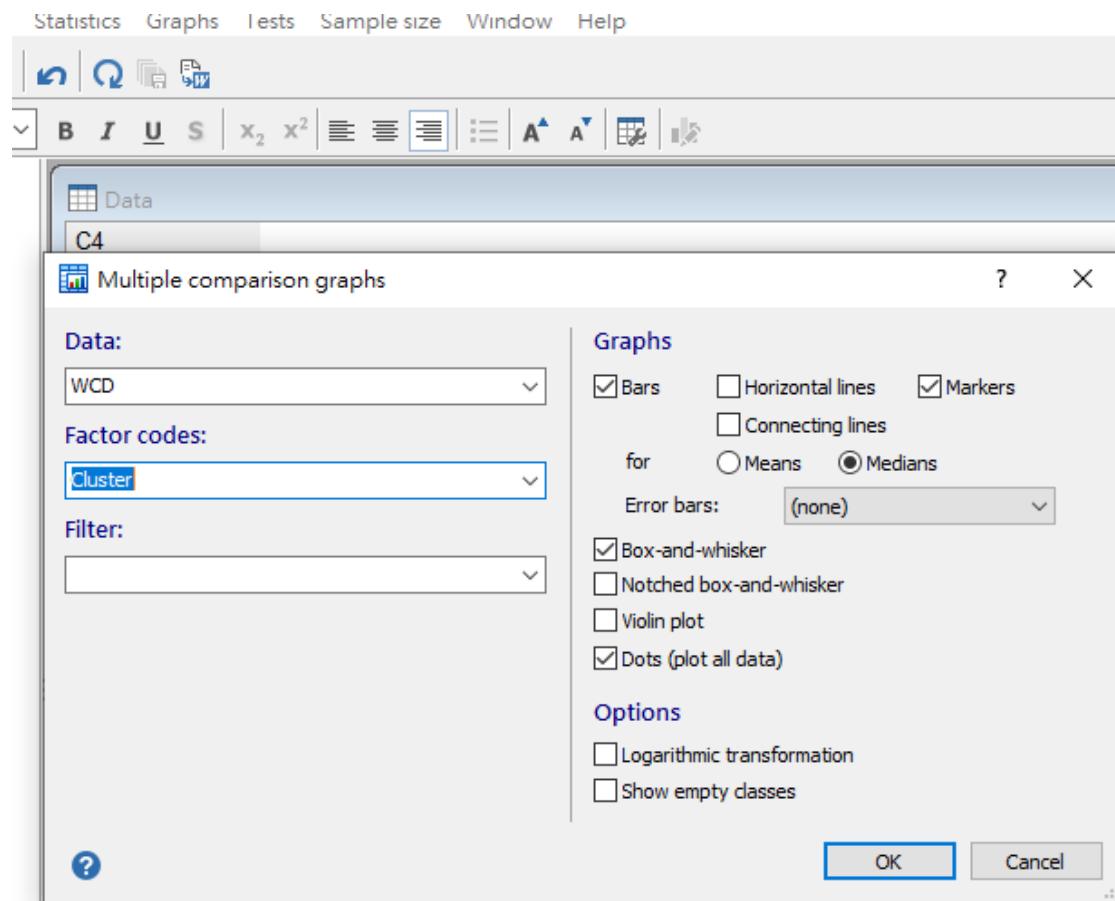
Code used on Google Maps



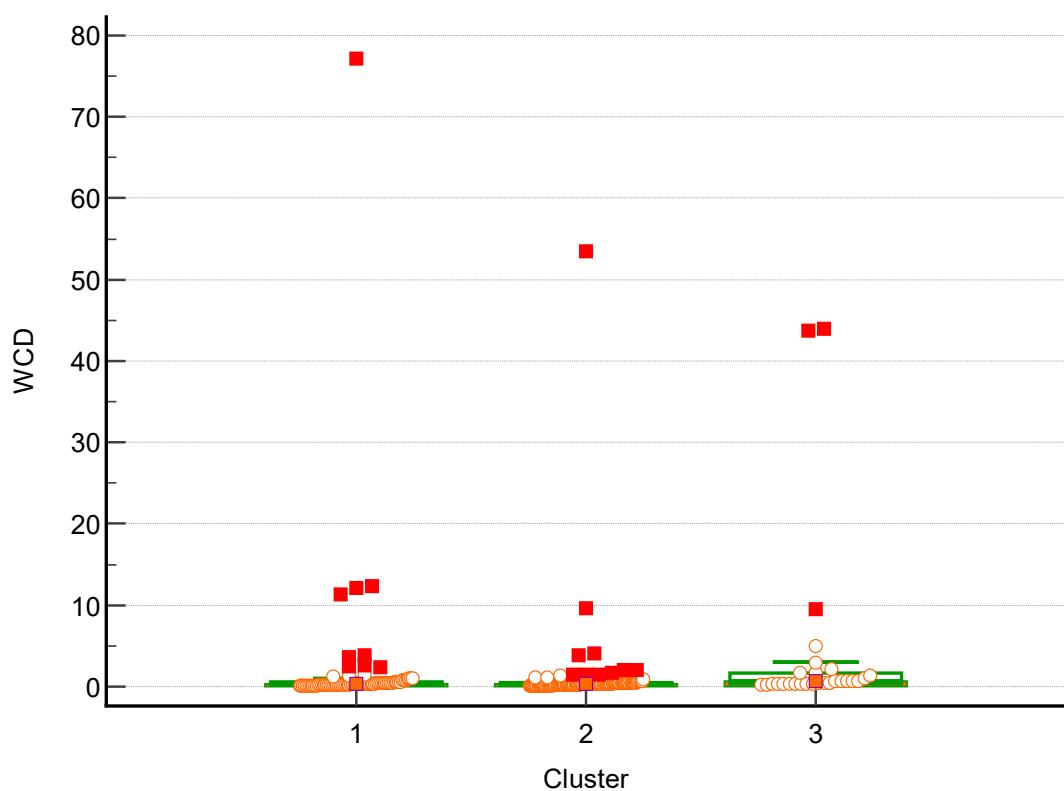
Format Tools Statistics Graphs Tests Sample size Window Help

	A	B	C	D
1	77.19166667		1	
2	53.48095238		2	
3	43.91666667		3	
4	43.75		3	
5	12.36666667		1	
6	12.11666667		1	
7	11.36666667		1	
8	9.666666668		2	
9	9.500000001		3	
10	5		3	
11	4.033333333		2	
12	3.833333333		2	
13	3.825		1	
14	3.616666667		1	
15	3		3	
16	2.583333332		1	
17	2.5		1	
18	2.333333336		1	
19	2.166666667		3	

Medical Calculator



To draw box plots



Three clusters for WCD distributions

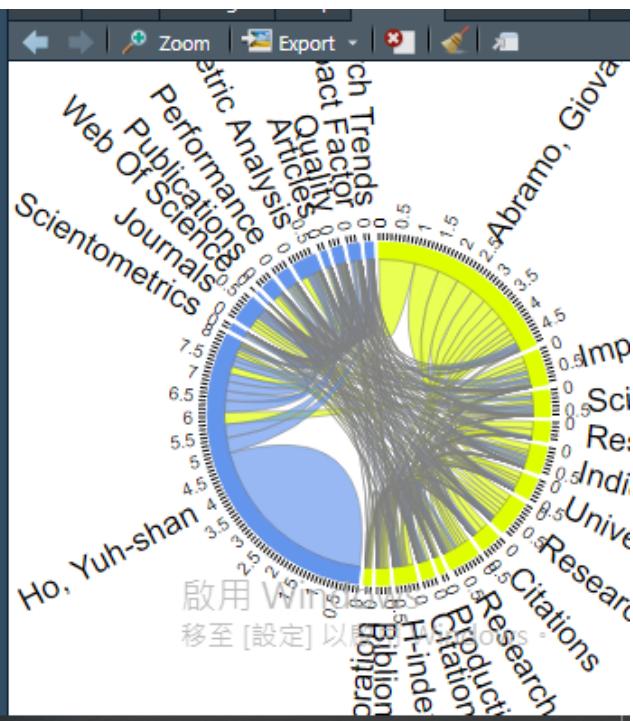
	A	B	C	D	E	F	G	H	I
1									
2	Bornmann	Bornmann, Daniel, Hans-Dieter							
3	Bornmann	Bornmann, Mutz, Ruediger							
4	Ho, Yuh-S	Cindrella, I Kannan, A Lin, J. F.	Saminatha	Ho, Yuh-S	Lin, C. W.	Wertz, J.			
5	Bornmann	Bornmann, Lutz							
6	Ho, Yuh-S	Chiu, Wen Ho, Yuh-Shan							
7	Bornmann	Bornmann, Lutz							
8	Ho, Yuh-S	Li, Ling-li Ding, Guo Feng, Nan Wang, Mir Ho, Yuh-Shan							
9	D'Angelo, I	Abramo, G D'Angelo, Di Costa, Flavia							
10	Ho, Yuh-S	Fu, Hui-Zh Wang, Mir Ho, Yuh-Shan							
11	Ho, Yuh-S	Fu, Hui-Zh Wang, Mir Ho, Yuh-Shan							
12	Ho, Yuh-S	Xie, Shaod Zhang, Jin Ho, Yuh-Shan							
13	Ho, Yuh-S	Li, Jinfeng Wang, Mir Ho, Yuh-Shan							
14	Ho, Yuh-S	Ho, Yuh-Shan							
15	Ho, Yuh-S	Chiu, WT Ho, Yuh-Shan							
16	Leydesdor	Leydesdor Bornmann, Mutz, Rue Ophof, Tobias							
17	D'Angelo, I	D'Angelo, Giuffrida, C Abramo, Giovanni							
18	D'Angelo, I	Abramo, G D'Angelo, Ciriaco Andrea							
19	Haunschil	Haunschil Bornmann, Marx, Werner							
20	Marx, Wer	Bornmann, Schier, He Marx, Wer Daniel, Hans-Dieter							
21	Ho, Yuh-S	Han, Ji-Sh Ho, Yuh-Shan							
22	Ho, Yuh-S	Chuang, K Wang, Mir Ho, Yuh-Shan							
23	Ho, Yuh-S	Zhang, Ga Xie, Shaod Ho, Yuh-Shan							
24	Ho, Yuh-S	Li, Zhi Ho, Yuh-Shan							
25	Leydesdor	Bornmann, Leydesdor Mutz, Ruediger							
26	D'Angelo, I	Abramo, G D'Angelo, Murgia, Gianluca							

Articles are assigned to authors

	A	B	C	D	E	F	G	H	I
1	A	B	edge	*Vertices	26				
2	Bornmann, I	Assessment	0.01550	1 Abramo, Giuffrida	library(chorddiag)				
3	Bornmann, I	Cited Old Pa	0.00641	1 Impact					
4	Bornmann, I	27 Science A	0.00641	1 Science	# Create dummy R code				
5	Bornmann, I	Social-scienc	0.00641	1 Research Ev	library(m <- matrix(c(5, v, v, v, v, 208, 0, 0,				
6	Bornmann, I	Bibliometric	0.03816	1 Indicators	haircolors <- c("Abramo, Giovanni", "Im				
7	Bornmann, I	Cumulative .	0.00641	1 Universities	dimnames(m) <- list(have = haircolors, p:				
8	Bornmann, I	Scientometri	0.00641	1 Research Pro	groupColors <- c("#DFFFO0", "#DFFFO0				
9	Bornmann, I	Context Ana	0.00641	1 Citations	p <- chorddiag(m, groupColors = groupC				
10	Bornmann, I	Normative T	0.00641	1 Research Pe	p				
11	Bornmann, I	Self-citation	0.00641	1 Productivity					
12	Bornmann, I	Reference Se	0.00641	1 Citation Analysis					
13	Bornmann, I	Bibliographi	0.00641	1 H-index					
14	Assessment	Cited Old Pa	0.00641	1 Bibliometric Indicators					
15	Assessment	27 Science A	0.00641	1 Research Collaboration					
16	Assessment	Social-scienc	0.00641	2 Ho, Yuh-shan					
17	Assessment	Bibliometric	0.00641	2 Scientometrics					
18	Assessment	Cumulative .	0.00641	2 Journals					
19	Assessment	Scientometri	0.00641	2 Web Of Science					

To draw the chord diagram

```
tation Analysis", "H-in  
, "Research Collaborati  
trics", "Journals", "We  
"Performance", "Bibliom  
uality", "Impact Facto  
  
ircolors, prefer = hai  
  
#DFFF00", "#DFFF00", "#  
"#DFFF00", "#DFFF00",  
, "#DFFF00", "#DFFF0  
5ED", "#6495ED", "#6495  
95ED", "#6495ED", "#649  
  
= groupColors, groupna
```



```
library(chorddiag)
```

```
# Create dummy data
m <- matrix(c(1, 0.482, 0.21, 0.661, 0.156, 0.586, 0.425, 0.313, 0.204, 0.293, 0.018,
0.024, 0.126, 0.145, 0, 0.017, 0.009, 0, 0.034, 0.063, 0, 0, 0.019, 0.074, 0, 0, 0.008,
0.178, 0.138, 0, 0, 0, 0, 0.099, 0.094, 0, 0, 0.057, 0, 0.06, 0, 0.025, 0.038, 0, 0,
0.095, 0.073, 0.006, 0, 0, 0, 0.095, 0, 0.092, 0.052, 0, 0, 0.044, 0, 0, 0, 0.081, 0,
0.077, 0, 0.006, 0.094, 0, 0, 0.06, 0.045, 0, 0, 0, 0, 0, 0.209, 0, 0, 0, 0.198, 0, 0, 0,
0, 0, 0.017, 0, 0, 0, 0, 0, 0, 0.05, 0, 0, 0.185, 0.075, 0.042, 0, 0.062, 0.083, 0, 0, 0,
0, 0, 0.014, 0, 0.072, 0, 0.02, 0, 0.059, 0, 0.012, 0.047, 0, 0, 0.109, 0, 0, 0, 0.105, 0,
0.024, 0, 0.151, 0, 0, 0.062, 0, 0.01, 0, 0, 0.016, 0.056, 0, 0, 0, 0, 0, 0.186, 0,
0.147, 0, 0.14, 0.031, 0.118, 0, 0.115, 0, 0.013, 0, 0, 0.025, 0.024, 0.016, 0.006,
0.014, 0, 0.01, 0, 0.024, 0.013, 0, 0.181, 0.017, 0.17, 0.032, 0, 0, 0, 0, 0.014, 0, 0,
0.006, 0, 0.045, 0, 0, 0, 0, 0.006, 0, 0.032, 0, 0, 0.055, 0.087, 0.104, 0.022, 0.099,
0.088, 0.039, 0, 0.063, 0, 0, 0.044, 0, 0, 0, 0.038, 0.021, 0.074, 0, 0, 0, 0.022, 0.014,
0.008, 0, 0, 0, 0, 0.043, 0, 0, 0.039, 0, 0, 0.015, 0, 0, 0, 0.011, 0, 0.008, 0, 0.011, 0,
0.009, 0, 0, 0, 0, 0.072, 0.018, 0.034, 0.006, 0.006, 0, 0.017, 0, 0.013, 0, 0, 0, 0,
0.04, 0.052, 0, 0.011, 0, 0, 0, 0.034, 0, 0, 0.038, 0.049, 0.016, 0.145, 0.018, 0,
0.019, 0.031, 0.021, 0.029, 0.036, 0.008, 0, 0, 0, 0.021, 0.029, 0.026, 0.023, 0, 0, 0,
0.022, 0, 0, 0.048, 0.037, 0.064, 0, 0.053, 0.038, 0.024, 0, 0.022, 0.006, 0, 0, 0, 0, 0,
0.009, 0, 0.006, 0, 0, 0.006, 0, 0, 0, 0, 0.029, 0, 0, 0.043, 0, 0.03, 0.025, 0, 0,
0.008, 0.035, 0, 0, 0, 0, 0, 0, 0, 0, 0.337, 0.208, 0, 0.031, 0.006, 0.035, 0.119,
0.076, 0, 0.008, 0.033, 0, 0, 5, 0.266, 0.172, 0.262, 0.217, 0.126, 0.374, 0.315, 0.041,
```

```

0.065, 0.417, 0, 0, 0, 0, 0, 0, 0.023, 0, 0, 0.042, 0, 0, 0, 0, 0.083, 0, 0, 0, 0, 0, 0,
0, 0, 0.107, 0.112, 0, 0.124, 0, 0, 0.022, 0, 0.006, 0, 0, 0, 0, 0.047, 0.015, 0.059,
0.05, 0, 0, 0.065, 0.053, 0, 0, 0, 0, 0, 0, 0.006, 0, 0, 0.041, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0, 0, 0, 0, 0.018, 0.065, 0, 0, 0.136, 0, 0.015, 0, 0, 0.006, 0, 0.054, 0,
0.017, 0, 0.016, 0, 0, 0, 0, 0, 0.054, 0.051, 0.023, 0, 0, 0.013, 0, 0, 0.011, 0, 0, 0,
0, 0.033, 0.055, 0.053, 0, 0, 0.023, 0, 0, 0, 0.18, 0.024, 0, 0.011, 0.006, 0.01,
0.006, 0.014, 0, 0.035, 0, 0, 0, 0.046, 0.066, 0.072, 0.012, 0.047, 0.01, 0.039, 0,
0.006, 0.013, 0, 0, 0, 0, 0, 0, 0.05, 0, 0, 0, 0.028, 0, 0.039, 0.008, 0, 0, 0, 0,
0.011, 0, 0, 0, 0.029, 0, 0.017, 0.02, 0.016, 0, 0.022, 0, 0.019, 0, 0.006, 0, 0.013, 0,
0.012, 0.03, 0.023, 0, 0.031, 0, 0.023, 0, 0, 0.029, 0, 0.042, 0.006, 0, 0, 0.01, 0, 0,
0, 0, 0.027, 0.069, 0.052, 0.024, 0.023, 0, 0, 0, 0, 0.009, 0.006, 0, 0.017, 0, 0, 0,
0, 0, 0.008, 0, 0, 0, 0.022, 0.022, 0.038, 0, 0.028, 0, 0.01, 0.016, 0, 0.017),
byrow = TRUE, nrow=25, ncol=25)

haircolors <- c("Abramo, Giovanni", "Impact", "Science", "Research Evaluation",
"Indicators", "Universities", "Research Productivity", "Citations", "Research
Performance", "Productivity", "Citation Analysis", "H-index", "Bibliometric
Indicators", "Research Collaboration", "Ho, Yuh-shan", "Scientometrics", "Journals",
"Web Of Science", "Publications", "Performance", "Bibliometric Analysis", "Articles",
"Quality", "Impact Factor", "Research Trends")

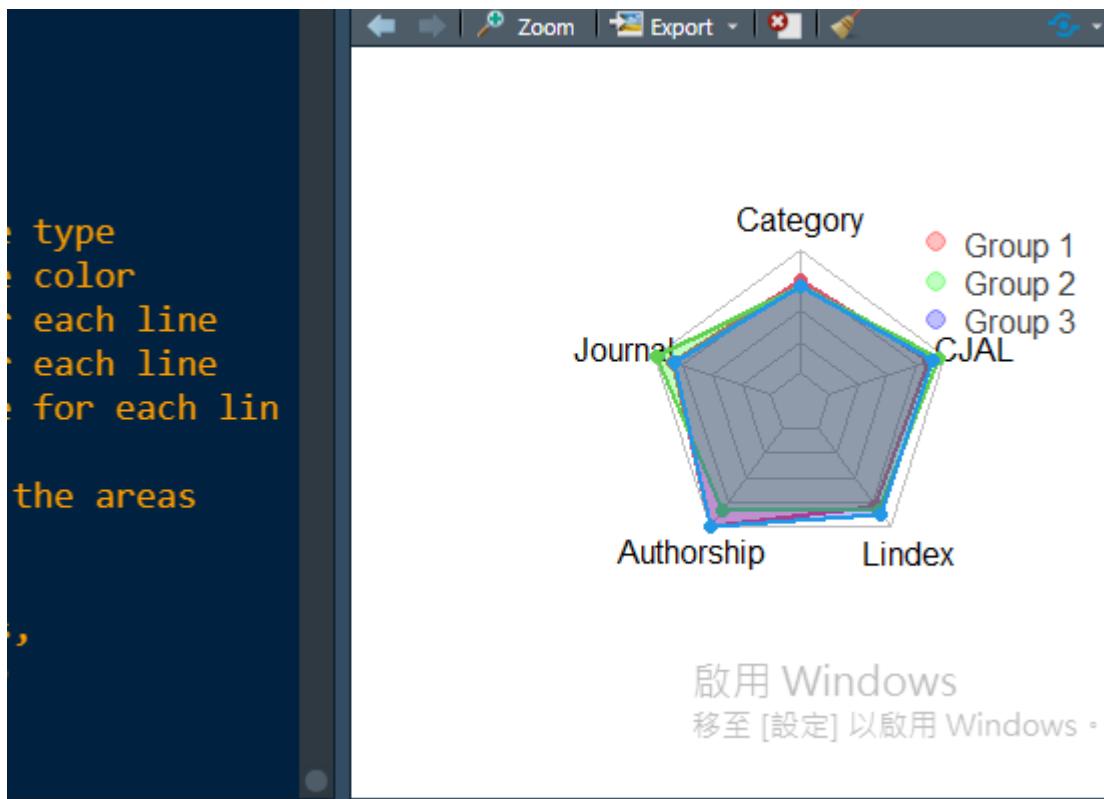
dimnames(m) <- list(have = haircolors, prefer = haircolors)

groupColors <- c("#DFFF00", "#DFFF00", "#DFFF00", "#DFFF00", "#DFFF00",
"#DFFF00", "#DFFF00", "#DFFF00", "#DFFF00", "#DFFF00", "#DFFF00",
"#DFFF00", "#DFFF00", "#6495ED", "#6495ED", "#6495ED", "#6495ED",
"#6495ED", "#6495ED", "#6495ED", "#6495ED", "#6495ED", "#6495ED",
"#6495ED", "#6495ED", "#6495ED", "#6495ED", "#6495ED", "#6495ED")

p <- chorddiag(m, groupColors = groupColors, groupnamePadding = 20)

p

```



```

library(fmsb)
data <- data.frame(row.names=c("Max","Min","Giovanni.Abramo ","Yuh-
Shan.Ho","Lutz.Bornmann"), Category=c(1.3,0,0.98,0.91,0.91),
Journal=c(1.3,0,1.1,1.27,1.08), Authorship=c(1.3,0,1.28,1.08,1.28),
Lindex=c(1.3,0,1.03,1.09,1.14), CJAL=c(1.3,0,1.12,1.22,1.16))
cbind()
radarchart (data)
areas <- c(rgb(1, 0, 0, 0.25),
           rgb(0, 1, 0, 0.25),
           rgb(0, 0, 1, 0.25))
radarchart(data,
           cglty = 1,          # Grid line type
           cglcol = "gray", # Grid line color
           pcol = 2:4,        # Color for each line
           plwd = 2,          # Width for each line
           plty = 1,          # Line type for each line
           pfcol = areas)    # Color of the areas
legend("topright",
       legend = paste("Group", 1:3),
       bty = "n", pch = 20, col = areas,
       text.col = "grey25", pt.cex = 2)

```

Data

	A	B	C	D	E	F
	C	J	A	L	CJAL	Groups
1	0.6	1	1.3	3	3	C
2	1	1	1.3	4	4	C
3	1	3	1	1	3	B

One-way analysis of variance

Levene's test for equality of error variances

Levene statistic	18.196
DF 1	2
DF 2	396
Significance level	P < 0.001

ANOVA

Source of variation	Sum of Squares	DF	Mean Square
Between groups (influence factor)	0.6319	2	0.3159
Within groups (other fluctuations)	169.4144	396	0.4278
Total	170.0463	398	

F-ratio	0.738
Significance level	P = 0.478

Factor	n	Mean	SD
(1) A	121	1.1177	0.3170
(2) B	127	1.2173	0.9149
(3) C	154	1.1554	0.5001

ANOVA test

	D	E	F	G	H	I	J	K	L	M
								theme	Citation	percentage
2003	1	16	16	4	4	194	10.1007/	2007	271	10
2004	2	139	69.5	3	3	132	10.1007/	2009	199	9
2005	2	170	85	8	8	131	10.1016/	2013	173	9
2007	5	462	92.4	1	1	120	10.1016/	2009	160	9
2008	5	428	85.6	17	17	116	10.1016/	2012	155	9
2009	5	475	95	8	8	115	10.1007/	2008	155	9
2010	8	765	95.63	4	4	115	10.1016/	2011	144	9
2011	12	764	63.67	55	55	114	10.1016/	2012	142	9
2012	9	536	59.56	55	55	96	10.1007/	2005	140	9
2013	8	358	44.75	55	55	80	10.1016/	2011	127	9
2014	12	544	45.33	55	55	71	10.1007/	2011	124	8
2015	9	240	26.67	55	55	61	10.1007/	2010	124	8
2016	14	349	24.93	55	55	53	10.1007/	2008	124	8
2017	15	179	11.93	55	55	52	10.1016/	2010	120	8
2018	11	140	12.73	55	55	51	10.2169/	2010	119	8
						51	10.1007/	2007	114	8
						50	10.1016/	2010	109	8

To draw IPB

2003	1	16	16	4	4
2004	2	139	69.5	3	
2005	2	170	85	8	
2007	5	462	92.4	1	
2008	5	428	85.6	17	
2009	5	475	95	8	
2010	8	785	65.3	4	4
2011	12	784	63.67	55	55
2012	9	538	59.55	55	55
2013	8	358	44.75	55	55
2014	12	544	45.33	55	55
2015	9	240	28.67	55	55
2016	14	349	24.93	55	55
2017	15	179	11.93	55	55
2018	11	140	12.73	55	55

Ranked by Pubs by year in columns: Weighted RCR by Year, Median RCR by Year, Total Citations by Publication Year, and Citation Excel

Excel

10.1007/s11192-005-1523-1	2007	271	100	271	1	1
10.1007/s11192-008-1939-5	2009	199	99	199	1	1
10.1016/j.sctotenv.2012.11.061	2013	173	98	173	1	1
10.1016/j.jpowmat.2009.04.005	2009	180	97	180	1	1
10.1016/j.jcis.2012.04.051	2012	155	95	155	1	1
10.1007/s11192-007-1928-0	2008	155	95	155	1	1
10.1016/j.gloplacha.2011.02.005	2011	144	94	144	1	1
10.1016/S1004-8541(11)00209-7	2012	142	94	142	1	1
10.1007/s11192-005-0201-7	2005	140	93	140	1	1
10.1016/j.neurobiolrev.2010.08.008	2011	127	92	127	1	1
10.1007/s11192-011-0365-2	2011	124	89	124	1	1
10.1007/s11192-009-0065-3	2010	124	89	124	1	1
10.1007/s11192-007-1838-1	2008	124	89	124	1	1
10.1016/j.ecoleng.2010.04.020	2010	120	88	120	1	1
10.2169/internalmedicine.49_3867	2010	119	88	119	1	1
10.1007/s11192-007-1721-0	2007	114	87	114	1	1

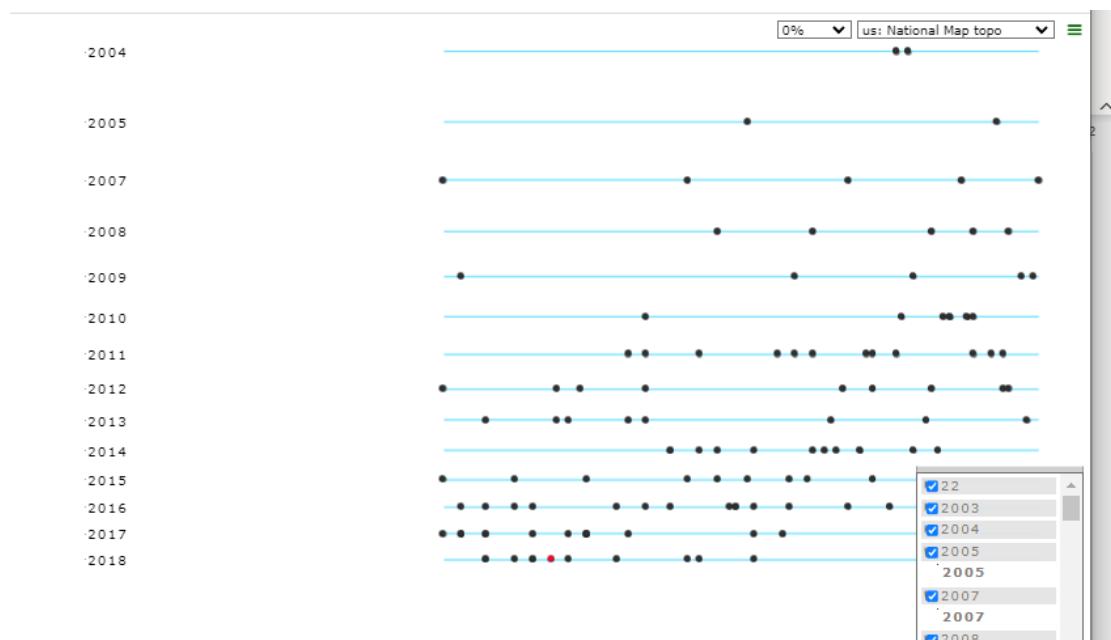
PMID, Year, RCR, NIH Percentile, Total Citations, AWS, SCI_JIF x-index on column [Grouping in last column]

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Got the IBP on Google Maps

L	M	N	O	P	Q	R	S	T	
2014	2015	2016	2017	2018	2019	2020	2021	2022	
47	65	63	65	52	83	80	78	47	
0	8	25	48	66	86	123	139	70	
29	32	26	32	25	32	28	30	21	
0	11	26	33	36	33	47	50	29	
18	33	27	27	24	27	22	32	19	
19	20	15	18	22	26	30	24	24	
12	28	16	15	9	17	25	21	19	
8	17	21	18	26	27	16	18	19	
24	13	17	11	24	16	14	23	11	
12	10	12	12	21	24	22	23	14	
16	16	15	13	16	16	21	15	11	
15	12	14	15	16	17	11	21	8	
0	0	3	14	11	19	18	47	19	
0	10	18	12	13	19	19	22	18	
16	18	16	19	15	11	6	14	3	
5	12	13	5	11	12	19	18	18	

Citations over years for articles

K	L	M	N	O	P	Q	R	S	T		
p	1	2	3	4	5	6	7	8	9	10	1
2	56	103	168	231	296	348	431	511	589	636	
6	0	0	8	33	81	147	233	356	495	565	
5	24	53	85	111	143	168	200	228	258	279	
3	0	0	11	37	70	106	139	186	236	265	
4	19	37	70	97	124	148	175	197	229	248	
2	17	36	56	71	89	111	137	167	191	215	
9	12	24	52	68	83	92	109	134	155	174	
6	3	11	28	49	67	93	120	136	154	173	
4	13	37	50	67	78	102	118	132	155	166	
1	4	16	26	38	50	71	95	117	140	154	
6	3	19	35	50	63	79	95	116	131	142	
6	9	24	36	50	65	81	98	109	130	138	
8	0	0	0	3	17	28	47	65	112	131	
9	0	0	10	28	40	53	72	91	113	131	
5	10	26	44	60	79	94	105	111	125	128	
1	11	16	28	41	46	57	69	88	106	124	
1	4	14	25	35	44	65	81	106	119	122	

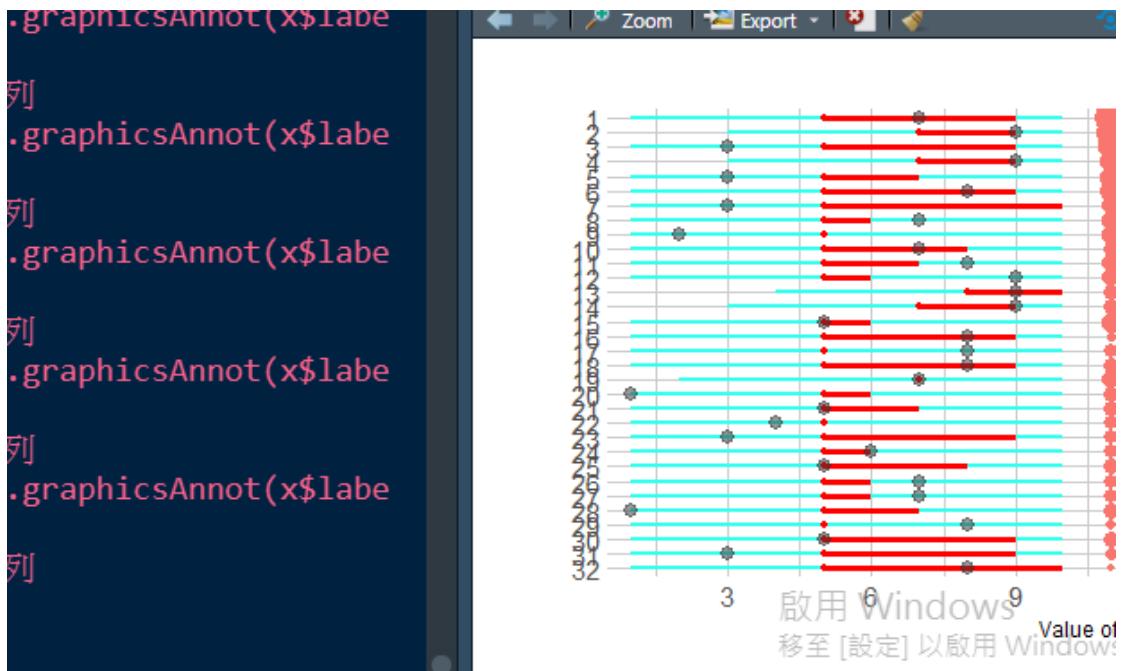
Cumulative counts over years

A	B	C	D	E	F	G	H	I	J
Title	Authors	IP	ipcase	type	Growth	R0	AAC at IP	IP	1.IP period
Bornmann,	8	5	10.4467	4	-0.85	1.16	0.56	5	52
Bornmann,	4	7	9.3112	4	-0.13	1.4	0.61	3	86
Abramo, G	20	5	7.2584	4	-0.84	1.14	0.56	5	25
Abramo, G	3	7	6.7202	4	-0.11	1.26	0.57	3	33
Abramo, G	40	5	6.8127	4	-0.32	1.14	0.56	3	24
Abramo, G	30	5	5.9	4	-0.55	1.18	0.56	5	22
Bornmann,	10	5	5.2754	1	0.08	1.17	0.55	6	9
Abramo, G	6	5	5.5933	4	-0.59	1.17	0.58	2	26
Bornmann,	24	5	5.4537	4	-0.15	1.13	0.54	1	24
Bornmann,	12	5	4.8029	4	-0.82	1.21	0.57	4	21
Abramo, G	34	5	4.9774	4	-0.66	1.16	0.56	3	16
Abramo, G	7	5	5.13	4	-0.38	1.14	0.57	2	16
Abramo, G	35	8	4.6761	1	0.26	1.47	0.58	3	18
Abramo, G	33	7	4.9215	4	0	1.25	0.58	3	19
Bornmann,	23	5	5.5264	3	-0.42	1.08	0.57	2	15

Computer parameters and burst strength

J	K	L	M	N	O	P	Q	R
4	7		#ff0066					
4	7		#80ff00					
4	7		#993300					
4	7		#8A2BE2					
1	7		#5e8437					
4	7	# Library	#8A2BE2					
4	7	library(ggp	#DEB887					
4	7	library(dply	#00ff80					
4	7	library(hrbr	#FBF5EF					
4	7							
1	7	# Create data						
4	7	#value1 <- abs(mnorm(26))*2						
3		data <- data.frame(aa=c(1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,						
1	7							
4	7							
4	7							
4	7							
2		7 # Reorder data using arrange() Learn more about reordering in chart #267						

Got the code in R



Paste code in R to draw the trend citations for articles

A	B	C	D	E	F	G	H	I
WE		Publication	The Command	Wo	Command	hal ISC	Country	institute
3		2007	Ho, Yuh-Shan	Computer	Scientomet	Taiwan	ETH(Switzerland)	Chiu, Wen-Ta(Taiwan)
4		2009	Ho, Yuh-Shan	Computer	Scientomet	China	Adm Headquarters Max	Li, Ling-li(China)
3		2013	Ho, Yuh-Shan	Environme	Sci. Total	E China	Arizona State Univ(U.S)	Fu, Hui-Zhen(China)
3		2009	Ho, Yuh-Shan	Electroche	J. Power Sc	U.S	ETH(Switzerland)	Cindrella, L.(U.S)
2		2012	Ho, Yuh-Shan	Chemistry	J. Colloid I	Taiwan	Taipei Med Univ(Taiwa	Fu, Hui-Zhen(Taiwan)
3.6		2008	Ho, Yuh-Shan	Computer	Scientomet	China	Adm Headquarters Ma	Xie, Shaodong(China)
1		2011	Ho, Yuh-Shan	Geoscience	Glob. Plan	Taiwan	Peoples Hosp Wuhan U	Li, Jinfeng(Taiwan)
2		2012	Ho, Yuh-Shan	Engineerin	Chin. J. Ch	Taiwan	Univ Roma Tor Vergata(I	Ho, Yuh-Shan(Taiwan)
6		2005	Ho, Yuh-Shan	Computer	Scientomet	Taiwan	Peking Univ(China)	Chiu, WT(Taiwan)
6		2011	Ho, Yuh-Shan	Neuroscien	Neurosci.	I Taiwan	Asia Univ(Taiwan)	Han, Ji-Sheng(Taiwan)
1		2011	Ho, Yuh-Shan	Computer	Scientomet	Taiwan	Peking Univ(China)	Chuang, Kun-Yang(Tai
1.5		2010	Ho, Yuh-Shan	Computer	Scientomet	Taiwan	Asia Univ(Taiwan)	Zhang, Gangfeng(Taiwan)
3		2008	Ho, Yuh-Shan	Computer	Scientomet	China	Asia Univ(Taiwan)	Li, Zhi(China)
1		2010	Ho, Yuh-Shan	Ecology	Ecol. Enq.	China	Taipei Med Univ(Taiwa	Zhang, Lians(China)

Data prepared here

A	B	C	D	E	F	G	H	I
C3	Information Sci	20.6	Han, Ji-She	6		1 China	Natl Res Council Ita	13
C3	Environmental	14	Monge-Na			4 Taiwan	Max Planck Gesell((22
C4	Scientometrics	147.94	Elango, Ba			4 2014	Ho, Yuh-Shan	26
C4	J. Informatr.	94.56	Li, Ling-li(1 Asia Univ(Tai	Ho, Yuh-Shan(Taiw	21
C4	Res. Evaluat.	11.1	Ivanovic, I			3 Ho, Yuh-Shar	Computer Science, I	17
C4	J. Am. Soc. Inf	10.1	Xie, Shaod			1 Max Planck C	Ho, Yuh-Shan(Taiw	20
C4	Curr. Sci.	9.2	Brown, Tec			3 Ho, Yuh-Shar	Chemistry, Multidisc	39
C5	Germany	128.66	Fiala, Dalib			3 Chemistry, M	Scientometrics	21
C5	Italy	111.06	Thor, Andr			3 China	Univ Roma Tor Ver	29
C5	Taiwan	92.9	Chiu, Wen-			1 2016	Ho, Yuh-Shan	36
C5	China	48	Cindrella, I			1 2015	Ho, Yuh-Shan	32
C5	Switzerland	17.8	Li, Zhi(Chi			1 Chemistry, M	Curr. Sci.	28
C6	Max Planck Ge	68.76	Wang, Chc			1 Curr. Sci.	Taiwan	28
C6	Natl Res Coun	61.2	Khan, Moc			2 Taiwan	Adm Headquarters I	28
C6	Asia Univ(Taiw	54.8	Tanaka, Hi			1 Adm Headqu	Ho, Yuh-Shan(Taiw	28

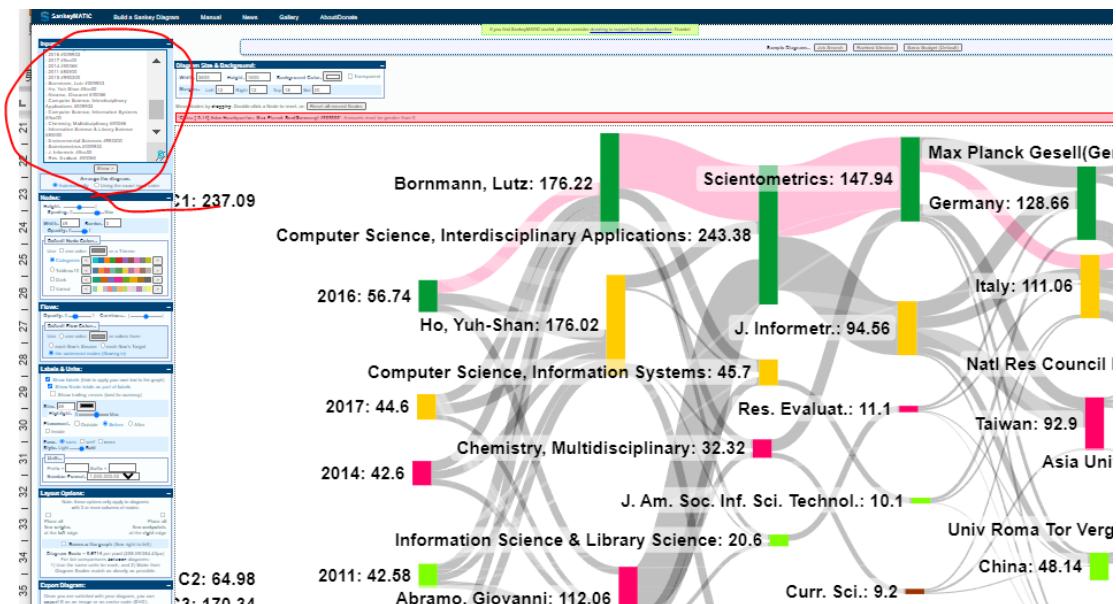
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A	B	C	D	E	F	G	H
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Ho, Yuh-Shan Computer Science, I	23	#000000	C2		0.5	14	13
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Scientometric Taiwan	21	#000000	C4				
Scientometric China	6	#000000	C4				
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Ho, Yuh-Shan Environmental Scier	14	#000000	C2				
2011 Ho, Yuh-Shan	11.61	#000000	C1				
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Max Planck C Ho, Yuh-Shan(Taiw	4	#000000	C6				

Prepared for code used for the Sankey diagram

A	B	C	D	E	F
1	relation A			https://sankeymatic.com/	
2	Ho, Yuh-Shan [23] Computer Science, Interdisciplinary Applications	#000000			
3	Computer Science, Interdisciplinary Applications [124] Scientometrics	#ff0066			
4	Scientometrics [21] Taiwan #000000				
5	Scientometrics [6] China #000000				
6	China [-0.14] Adm Headquarters Max Planck Soc(Germany) #000000				
7	Ho, Yuh-Shan [14] Environmental Sciences #000000				
8	2011 [11.61] Ho, Yuh-Shan #000000				
9	Taiwan [3] Univ Roma Tor Vergata(Italy) #000000				
10	Univ Roma Tor Vergata(Italy) [2] Ho, Yuh-Shan(Taiwan) #000000				
11	Taiwan [3.8] Asia Univ(Taiwan) #000000				
12	China [3] Asia Univ(Taiwan) #000000				
13	China [2] Natl Res Council Italy(Italy) #000000				
14	Taiwan [3.76] Max Planck Gesell(Germany) #000000				
15	2014 [14.2] Ho, Yuh-Shan #000000				
16	Asia Univ(Taiwan) [4] Ho, Yuh-Shan(Taiwan) #000000				
17	Ho, Yuh-Shan [4] Computer Science, Information Systems #000000				

Code for the Sankey generated here



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