Summary

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Introduction

This summary is automatically generated. To maximize the level of details in the summary, complete the following tasks before running this function:

- clustering and labeling by using the **All in One** button
- run the burst detection function from the Burstness tab in the Control Panel
- compute the betweenness centrality from the Nodes menu
- save the current visualization as a PNG image in the project folder

The summary highlights major clusters first, including citing articles and cited references. The importance of nodes will be summarized in terms of citation-based metrics such as citation counts and citation bursts, network-based metrics such as degree centrality and betweenness centrality. Sigma is a combination of both types, i.e., burst and betweenness centrality.

There are other features that are not included in the current summary, for example, structural variation analysis, analysis of uncertainties, concept trees, and dual-map overlays.

MAJOR CLUSTERS

Cluster information is not available.

CITATION COUNTS

The top ranked item by citation counts is UNKNOWN - in Cluster #4, with citation counts of 135. The second one is ADGER WN in Cluster #4, with citation counts of 47. The third is UNFCCC in Cluster #0, with citation counts of 42. The 4th is KLEIN RJT in Cluster #2, with citation counts of 36. The 5th is WORLD BANK in Cluster #6, with citation counts of 33. The 6th is FANKHAUSER S in Cluster #0, with citation counts of 28. The 7th is OECD in Cluster #0, with citation counts of 27. The 8th is BARRETT S in Cluster #0, with citation counts of 24. The 9th is STADELMANN M in Cluster #5, with citation counts of 24. The 10th is AYERS J in Cluster #3, with citation counts of 23.

Citation Counts	Node Name	DOI	Cluster ID
135	UNKNOWN -		4
47	ADGER WN		4

42	UNFCCC	0
36	KLEIN RJT	2
33	WORLD BANK	6
28	FANKHAUSER S	0
27	OECD	0
24	BARRETT S	0
24	STADELMANN M	5
23	AYERS J	3

BURSTS

The top ranked item by bursts is MULLER B in Cluster #7, with bursts of **6.39**. The second one is BURTON I in Cluster #6, with bursts of **5.89**. The third is AGRAWALA S in Cluster #2, with bursts of **4.43**. The 4th is STERN N in Cluster #4, with bursts of **4.42**. The 5th is BARNETT J in Cluster #3, with bursts of **4.03**. The 6th is MENDELSOHN R in Cluster #4, with bursts of **4.01**. The 7th is *UNFCCC in Cluster #0, with bursts of **3.87**. The 8th is STADELMANN M in Cluster #5, with bursts of **3.75**. The 9th is FÜSSEL HM in Cluster #2, with bursts of **3.75**. The 10th is DOSHI D in Cluster #0, with bursts of **3.66**.

Bursts	Node Name	DOI	Cluster ID
6.39	MULLER B		7
5.89	BURTON I		6
4.43	AGRAWALA S		2
4.42	STERN N		4
4.03	BARNETT J		3
4.01	MENDELSOHN R		4
3.87	*UNFCCC		0
3.75	STADELMANN M		5
3.75	FÜSSEL HM		2
3.66	DOSHI D		0

DEGREE

The top ranked item by degree is MULLER B in Cluster #7, with degree of 25. The second one is GRASSO M in Cluster #5, with degree of 23. The third is CONEVSKA A in Cluster #7, with degree of 23. The 4th is WESTERHOFF L in Cluster #1, with degree of 23. The 5th is DI GREGORIOM in Cluster #1, with

degree of 23. The 6th is BIRKMANN J in Cluster #1, with degree of 23. The 7th is TOL RSJ in Cluster #8, with degree of 21. The 8th is MCNAMARA KE in Cluster #7, with degree of 21. The 9th is ADGER WN in Cluster #4, with degree of 20. The 10th is AYERS J in Cluster #3, with degree of 20.

Degree	Node Name	DOI	Cluster ID
25	MULLER B		7
23	GRASSO M		5
23	CONEVSKA A		7
23	WESTERHOFF L		1
23	DI GREGORIOM		1
23	BIRKMANN J		1
21	TOL RSJ		8
21	MCNAMARA KE		7
20	ADGER WN		4
20	AYERS J		3

CENTRALITY

The top ranked item by centrality is AYERS J in Cluster #3, with centrality of **0.28**. The second one is SARKODIE SA in Cluster #5, with centrality of **0.22**. The third is ADGER WN in Cluster #4, with centrality of **0.19**. The 4th is KLEIN RJT in Cluster #2, with centrality of **0.19**. The 5th is FANKHAUSER S in Cluster #0, with centrality of **0.19**. The 6th is MULLER B in Cluster #7, with centrality of **0.16**. The 7th is BIRKMANN J in Cluster #1, with centrality of **0.16**. The 8th is TOL RSJ in Cluster #8, with centrality of **0.16**. The 9th is GRASSO M in Cluster #5, with centrality of **0.15**. The 10th is FÜSSEL HM in Cluster #2, with centrality of **0.15**.

Centrality	Node Name	DOI	Cluster ID
0.28	AYERS J		3
0.22	SARKODIE SA		5
0.19	ADGER WN		4
0.19	KLEIN RJT		2
0.19	FANKHAUSER S		0
0.16	MULLER B		7
0.16	BIRKMANN J		1
0.16	TOL RSJ		8

0.15	GRASSO M	5
0.15	FÜSSEL HM	2

SIGMA

The top ranked item by sigma is MULLER B in Cluster #7, with sigma of **2.65**. The second one is KLEIN RJT in Cluster #2, with sigma of **1.77**. The third is FÜSSEL HM in Cluster #2, with sigma of **1.68**. The 4th is TOL RSJ in Cluster #8, with sigma of **1.65**. The 5th is ERIKSEN S in Cluster #8, with sigma of **1.34**. The 6th is STADELMANN M in Cluster #5, with sigma of **1.34**. The 7th is HUQ S in Cluster #6, with sigma of **1.33**. The 8th is WEILER F in Cluster #5, with sigma of **1.30**. The 9th is BURTON I in Cluster #6, with sigma of **1.24**. The 10th is WORLD BANK in Cluster #6, with sigma of **1.19**.

Sigma	Node Name	DOI	Cluster ID
2.65	MULLER B		7
1.77	KLEIN RJT		2
1.68	FÜSSEL HM		2
1.65	TOL RSJ		8
1.34	ERIKSEN S		8
1.34	STADELMANN M		5
1.33	HUQ S		6
1.30	WEILER F		5
1.24	BURTON I		6
1.19	WORLD BANK		6

References

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• Chen, C. (2020) A Glimpse of the First Eight Months of the COVID-19 Literature on Microsoft Academic Graph: Themes, Citation Contexts, and Uncertainties. Frontiers in Research Metrics and Analytics, 5:607286. 10.3389/frma.2020.607286 citation contexts; uncertainties