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 Persson A, 2014, CLIM POLICY, V14, P488 in Cluster #0, with citation counts of **16**. The second one is Betzold C, 2017, INT ENVIRON AGREEM-P, V17, P17 in Cluster #3, with citation counts of **15**. The third is Stadelmann M, 2014, INT ENVIRON AGREEM-P, V14, P101 in Cluster #3, with citation counts of **14**. The 4th is Fankhauser S, 2011, CLIM POLICY, V11, P1037 in Cluster #1, with citation counts of **11**. The 5th is Smit B, 2006, GLOBAL ENVIRON CHANG, V16, P282 in Cluster #5, with citation counts of **11**. The 6th is Weiler F, 2018, WORLD DEV, V104, P65 in Cluster #3, with citation counts of **11**. The 7th is Robinson SA, 2017, REG ENVIRON CHANGE, V17, P1103 in Cluster #3, with citation counts of **11**. The 8th is Paavola J, 2006, ECOL ECON, V56, P594 in Cluster #5, with citation counts of **10**. The 9th is Adger WN, 2006, GLOBAL ENVIRON CHANG, V16, P268 in Cluster #5, with citation counts of **8**. The 10th is Stern N, 2008, AM ECON REV, V98, P1 in Cluster #2, with citation counts of **8**.

Citation Counts	Node Name	DOI	Cluster ID

16	Persson A, 2014, CLIM POLICY, V14, P488	10.1080/14693062.2013.879514	0
15	Betzold C, 2017, INT ENVIRON AGREEM-P, V17, P17	10.1007/s10784-016-9343-8	3
14	Stadelmann M, 2014, INT ENVIRON AGREEM-P, V14, P101	10.1007/s10784-013-9206-5	3
11	Fankhauser S, 2011, CLIM POLICY, V11, P1037	10.1080/14693062.2011.582389	1
11	Smit B, 2006, GLOBAL ENVIRON CHANG, V16, P282	10.1016/j.gloenvcha.2006.03.008	5
11	Weiler F, 2018, WORLD DEV, V104, P65	10.1016/j.worlddev.2017.11.001	3
11	Robinson SA, 2017, REG ENVIRON CHANGE, V17, P1103	10.1007/s10113-016-1085-1	3
10	Paavola J, 2006, ECOL ECON, V56, P594	10.1016/j.ecolecon.2005.03.015	5
8	Adger WN, 2006, GLOBAL ENVIRON CHANG, V16, P268	10.1016/j.gloenvcha.2006.02.006	5
8	Stern N, 2008, AM ECON REV, V98, P1	10.1257/aer.98.2.1	2

BURSTS

The top ranked item by bursts is Doshi D, 2020, SUSTAINABILITY-BASEL, V12, P0 in Cluster #0, with bursts of **3.83**. The second one is Field CB, 2014, CLIMATE CHANGE 2014: IMPACTS, V0, P0 in Cluster #5, with bursts of **3.58**. The third is McGray H, 2007, WEATHERING THE STORM: OPTIONS FOR FRAMING ADAPTATION AND DEVELOPMENT, V0, P0 in Cluster #2, with bursts of **3.43**. The 4th is Weiler F, 2018, WORLD DEV, V104, P65 in Cluster #3, with bursts of **3.42**. The 5th is Adger WN, 2006, GLOBAL ENVIRON CHANG, V16, P268 in Cluster #5, with bursts of **3.35**. The 6th is Smit B, 2006, GLOBAL ENVIRON CHANG, V16, P282 in Cluster #5, with bursts of **3.28**. The 7th is Buchner B, 2019, GLOBAL LANDSCAPE CLI, V0, P0 in Cluster #7, with bursts of **3.20**. The 8th is Stern N, 2008, AM ECON REV, V98, P1 in Cluster #2, with bursts of **3.16**. The 9th is Muller B, 2008, INTERNATIONAL ADAPTATION FINANCE, V0, P0 in Cluster #5, with bursts of **3.14**. The 10th is Fankhauser S, 2011, CLIM POLICY, V11, P1037 in Cluster #1, with bursts of **3.09**.

Bursts	Node Name	DOI	Cluster ID
3.83	Doshi D, 2020, SUSTAINABILITY-BASEL, V12, P0	10.3390/su12104308	0
3.58	Field CB, 2014, CLIMATE CHANGE 2014: IMPACTS, V0, P0		5
3.43	McGray H, 2007, WEATHERING THE STORM: OPTIONS FOR FRAMING ADAPTATION AND DEVELOPMENT, V0, P0		2
3.42	Weiler F, 2018, WORLD DEV, V104, P65	10.1016/j.worlddev.2017.11.001	3
3.35	Adger WN, 2006, GLOBAL ENVIRON CHANG, V16, P268	10.1016/j.gloenvcha.2006.02.006	5
3.28	Smit B, 2006, GLOBAL ENVIRON CHANG, V16, P282	10.1016/j.gloenvcha.2006.03.008	5
3.20	Buchner B, 2019, GLOBAL LANDSCAPE CLI, V0, P0	10.1787/2227779X	7

3.16	Stern N, 2008, AM ECON REV, V98, P1	10.1257/aer.98.2.1	2
3.14	Muller B, 2008, INTERNATIONAL ADAPTATION FINANCE, V0, P0		5
3.09	Fankhauser S, 2011, CLIM POLICY, V11, P1037	10.1080/14693062.2011.582389	1

DEGREE

The top ranked item by degree is Soanes Marek, 2017, DELIVERING REAL CHAN, V0, P0 in Cluster #4, with degree of **39**. The second one is Unknown -, 2015, GLOBAL LANDSCAPE CLI, V0, P0 in Cluster #4, with degree of **39**. The third is OECD, 2018, CLIM FIN DEV DEV COU, V0, P0 in Cluster #4, with degree of **37**. The 4th is Titz A, 2018, SOCIETIES, V8, P0 in Cluster #4, with degree of **31**. The 5th is Forsyth T, 2013, WIRES CLIM CHANGE, V4, P439 in Cluster #4, with degree of **31**. The 6th is Unknown -, 2008, 69128 WORLD BANK, V0, P0 in Cluster #4, with degree of **31**. The 7th is Dodman D, 2013, J INT DEV, V25, P640 in Cluster #4, with degree of **31**. The 8th is Reid H, 2014, COMMUNITY-BASED ADAPTATION TO CLIMATE CHANGE: SCALING IT UP, V0, P3 in Cluster #4, with degree of **31**. The 9th is Muller B, 2013, ENHANCED DIRECT ACCE, V0, P0 in Cluster #4, with degree of **31**. The 10th is Fisher RJ, 1999, UNASYLVA (ENGLISH ED.), V50, P3 in Cluster #4, with degree of **31**.

Degree	Node Name	DOI	Cluster ID
39	Soanes Marek, 2017, DELIVERING REAL CHAN, V0, P0		4
39	Unknown -, 2015, GLOBAL LANDSCAPE CLI, V0, P0		4
37	OECD, 2018, CLIM FIN DEV DEV COU, V0, P0		4
31	Titz A, 2018, SOCIETIES, V8, P0	10.3390/soc8030071	4
31	Forsyth T, 2013, WIRES CLIM CHANGE, V4, P439	10.1002/wcc.231	4
31	Unknown -, 2008, 69128 WORLD BANK, V0, P0		4
31	Dodman D, 2013, J INT DEV, V25, P640	10.1002/jid.1772	4
31	Reid H, 2014, COMMUNITY-BASED ADAPTATION TO CLIMATE CHANGE: SCALING IT UP, V0, P3		4
31	Muller B, 2013, ENHANCED DIRECT ACCE, V0, P0		4
31	Fisher RJ, 1999, UNASYLVA (ENGLISH ED.), V50, P3		4

CENTRALITY

The top ranked item by centrality is Füssel HM, 2007, GLOBAL ENVIRON CHANG, V17, P155 in Cluster #2, with centrality of **0.31**. The second one is Stadelmann M, 2014, INT ENVIRON AGREEM-P, V14, P101 in Cluster #3, with centrality of **0.31**. The third is Adger WN, 2006, GLOBAL ENVIRON CHANG, V16, P268 in Cluster #5, with centrality of **0.25**. The 4th is Fankhauser S, 2011, CLIM POLICY, V11, P1037 in Cluster #1, with centrality of **0.20**. The 5th is Betzold C, 2017, INT ENVIRON AGREEM-P, V17, P17 in Cluster #3, with centrality of **0.19**. The 6th is Ciplet D, 2013, GLOBAL ENVIRON POLIT, V13, P49 in Cluster #1, with centrality of **0.18**. The 7th is Soanes Marek, 2017, DELIVERING REAL CHAN, V0, P0 in Cluster #4, with centrality of

0.16. The 8th is OECD, 2018, CLIM FIN DEV DEV COU, V0, P0 in Cluster #4, with centrality of **0.16**. The 9th is Unknown -, 2015, GLOBAL LANDSCAPE CLI, V0, P0 in Cluster #4, with centrality of **0.11**. The 10th is Narain U, 2011, CLIM POLICY, V11, P1001 in Cluster #1, with centrality of **0.11**.

Centrality	Node Name	DOI	Cluster ID
0.31	Füssel HM, 2007, GLOBAL ENVIRON CHANG, V17, P155	10.1016/j.gloenvcha.2006.05.002	2
0.31	Stadelmann M, 2014, INT ENVIRON AGREEM-P, V14, P101	10.1007/s10784-013-9206-5	3
0.25	Adger WN, 2006, GLOBAL ENVIRON CHANG, V16, P268	10.1016/j.gloenvcha.2006.02.006	5
0.20	Fankhauser S, 2011, CLIM POLICY, V11, P1037	10.1080/14693062.2011.582389	1
0.19	Betzold C, 2017, INT ENVIRON AGREEM-P, V17, P17	10.1007/s10784-016-9343-8	3
0.18	Ciplet D, 2013, GLOBAL ENVIRON POLIT, V13, P49	10.1162/GLEP_a_00153	1
0.16	Soanes Marek, 2017, DELIVERING REAL CHAN, V0, P0		4
0.16	OECD, 2018, CLIM FIN DEV DEV COU, V0, P0		4
0.11	Unknown -, 2015, GLOBAL LANDSCAPE CLI, V0, P0		4
0.11	Narain U, 2011, CLIM POLICY, V11, P1001	10.1080/14693062.2011.582387	1

SIGMA

The top ranked item by sigma is Adger WN, 2006, GLOBAL ENVIRON CHANG, V16, P268 in Cluster #5, with sigma of **2.10**. The second one is Fankhauser S, 2011, CLIM POLICY, V11, P1037 in Cluster #1, with sigma of **1.77**. The third is Smit B, 2006, GLOBAL ENVIRON CHANG, V16, P282 in Cluster #5, with sigma of **1.33**. The 4th is Klein RJT, 2011, IDS BULL-I DEV STUD, V42, P15 in Cluster #1, with sigma of **1.22**. The 5th is Weiler F, 2018, WORLD DEV, V104, P65 in Cluster #3, with sigma of **1.20**. The 6th is Stern N, 2008, AM ECON REV, V98, P1 in Cluster #2, with sigma of **1.09**. The 7th is McGray H, 2007, WEATHERING THE STORM: OPTIONS FOR FRAMING ADAPTATION AND DEVELOPMENT, V0, P0 in Cluster #2, with sigma of **1.05**. The 8th is Buchner B, 2019, GLOBAL LANDSCAPE CLI, V0, P0 in Cluster #7, with sigma of **1.04**. The 9th is Doshi D, 2020, SUSTAINABILITY-BASEL, V12, P0 in Cluster #0, with sigma of **1.02**. The 10th is Field CB, 2014, CLIMATE CHANGE 2014: IMPACTS, V0, P0 in Cluster #5, with sigma of **1.02**.

Sigma	Node Name	DOI	Cluster ID
2.10	Adger WN, 2006, GLOBAL ENVIRON CHANG, V16, P268	10.1016/j.gloenvcha.2006.02.006	5
1.77	Fankhauser S, 2011, CLIM POLICY, V11, P1037	10.1080/14693062.2011.582389	1
1.33	Smit B, 2006, GLOBAL ENVIRON CHANG, V16, P282	10.1016/j.gloenvcha.2006.03.008	5
1.22	Klein RJT, 2011, IDS BULL-I DEV STUD, V42, P15	10.1111/j.1759-5436.2011.00218.x	1
1.20	Weiler F, 2018, WORLD DEV, V104, P65	10.1016/j.worlddev.2017.11.001	3

1.09	Stern N, 2008, AM ECON REV, V98, P1	10.1257/aer.98.2.1	2
1.05	McGray H, 2007, WEATHERING THE STORM: OPTIONS FOR FRAMING ADAPTATION AND DEVELOPMENT, V0, P0		2
1.04	Buchner B, 2019, GLOBAL LANDSCAPE CLI, V0, P0	10.1787/2227779X	7
1.02	Doshi D, 2020, SUSTAINABILITY-BASEL, V12, P0	10.3390/su12104308	0
1.02	Field CB, 2014, CLIMATE CHANGE 2014: IMPACTS, V0, P0		5

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- Chen, C., Ibekwe-SanJuan, F., Hou, J. (2010) The structure and dynamics of cocitation clusters: A multiple-perspective cocitation analysis. Journal of the American Society for information Science and Technology, 61(7), 1386-1409. 10.1002.asi.21309 **cluster labeling**
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- Chen, C., Song, M. (2019) Visualizing a Field of Research: A Methodology of Systematic Scientometric Reviews. PLoS One, 14(10), e0223994. 10.1371/journal.pone.0223994 **cascading citation expansion**
- 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**