## Incites Benchmarking & Analytics Introducing Citation Topics

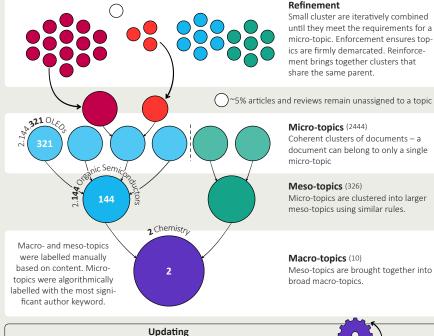
## A new document-level classification schema for InCites

Citation Topics are clusters of documents brought together through their citation relationships. The clustering algorithm was developed by CWTS in Leiden and implemented under the stewardship of our ISI team. The output is a three-tier hierarchy of named topics that allow users to select their own level of detail in any analysis.

Topics cover all document types in the Web of Science Core Collection from 1980 onwards. New documents are added to existing topics monthly (based on their cited references). We perform a full update each year. This will not affect existing topics but will may create new micro-topics and reassign some documents to different micro-topics. This ensures our Citation Topics reflect changes in the underlying literature.



Documents are clustered based on their cited and citing paper relationships (including citations to pre-1980 documents). The algorithm includes rules to ensure that a high proportion of documents are clustered.

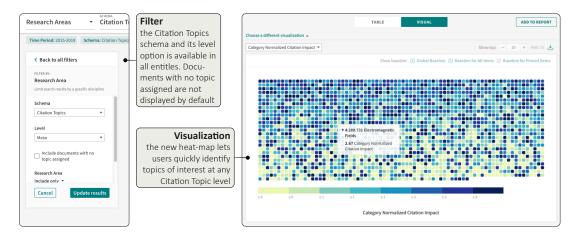


Each month, new documents are added to existing topics based on their cited references. A full clustering update is carried out yearly.



## **Using Citation Topics**

The Citation Topics schema can be selected as a filter in any entity or directly from the search bar in the Research Areas entity. Choosing the schema allows users to select a level – *macro* for the ten broad topics, *meso* for the 326 intermediate topics, and *micro* for the 2444 granular topics. All indicators and visualizations (plus a new heatmap) are available. Indicators that are normalized using the WoS subject category (such as category normalized citation impact – CNCI) will use the topic (at each level) as their category.



Search directly select both the schema and level from the search bar (in the research area entity)							Explore add a topic to see its associated child topics
esearch Areas	<ul> <li>▼ Citation Topics</li> </ul>	▼ Ma			ysics × e.g. Chemistry Q		in the analysis
ime Period: 2015-2019 Schema: Citation Top	oics 🗴 Research Area: 5 Physics 🗴 Clear all filters						
Filters Indicators Baselines		TABLE	VISUAL				
Narrow the results in the table.	19 research areas (868 documents)		Find in tal	ole → Sorted by T	imes Cited 👻 🗄 🖡	Add indicator 🕁	
Dataset							
Web of Science 14102020:012556 🔻	Research Area	··· Rank	Web of Science ····	Times 🔋	% Documents ····	Category Normalized	
Last updated Oct 13, 2020	Research Area	··· Rank	Documents	Cited * ***	Cited	Citation Impact	Data table
Include ESCI documents ①							features all available in
Publication Date	5.193 Thermoelectric Materials	1	219	5,248	92.24%	2.47	dicators and any topic
Last 5 complete years (2015-2019) 🔻	5.38 Optical Electronics & Engineering	2	107	1,109	75.7%	2.7	can be pinned to the
InCites dataset updated Sep 5, 2020. Includes Web of Science content indexed through Aug 31, 2020		3					top or refocused
	5.31 Silicon Systems	3	109	1,092	79.82%	1.51	
Collaborations with People > Collaborations with Organizations >	5.310 Resistive Switching	4	79	1,072	89.87%	1.47	
Collaborations with Locations	5.250 Imaging & Tomography	5	128	961	67.97%	1.47	
Person Name or ID	5.250 imaging & romography	5	120	501	01.0110		
Organization Name		6	42	518	97.62%	2.25	
Location >	5.98 Geometrical Optics	7	80	463	57.5%	1.59	
Web of Science Documents	-						
Times Cited >	5.56 Quantum Mechanics	8	17	352	82.35%	3.73	
Document Type							

