Introduction to the new InCites interface and recent enhancements

Eniko Toth Szasz

Eniko.szasz@clarivate.com

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Agenda

1. Introduction to the new interface

2. Recent enhancements and data transparency initiatives

3. Impact profiles visualization

4. Citation Topics

Increasingly competitive global research landscape

Optimize your position in the global research landscape

Benchmark your research against peer institutions to strengthen your position

Demonstrate successful outcomes to funders to secure revenue streams

Quickly identify high performing researchers to recruit or retain

Assess your existing and potential collaborations to find the best partners

Measure your progress towards Open Research goals to fulfill mandates

Identify your institution's essential journals to maximize your library budget

InCites Benchmarking & Analytics

Assess your position using data from the world's largest curated citation index of research publications

Reliable citation indicators

Confidently measure citation impact and reputation with normalized indicators derived from data used in major research evaluation initiatives worldwide

Collaboration indicators

Save time identifying academic, industry and government partners worldwide with pre-built indicators and filters for international and industry collaboration

Open access indicators

Save money, assess compliance with mandates, and identify where your authors are likely paying APCs using pre-built indicators and filters for gold, green and hybrid publications

Flexible evaluation schema

Assess your research using the same lens as your evaluators with over 13 localized regional assessment classifications used in national research assessment exercises

Multiple ways to view data

Quickly assess the research landscape on any topic to identify star researchers, centers of excellence, and major funders–worldwide or in your region of choice

Understand the impact of the publications

1 **Lactose-Free Dairy Products: Market Developments, Production, Nutrition and Health Benefits**

Dekker, PJT; Koenders, D and Bruins, MJ

Mar 5 2019 | Nutrients

Lactose-free dairy is able to provide the essential nutrients present in regular dairy products, like calcium and vitamins, to those that are not able to digest lactose. This product category currently has a wide and growing health appeal to consumers. In recent years, the quality and product variety in the lactose-free dairy segment has been increasing significantly, giving

S·F·X   Free Full Text from Publisher   •••

28 Citations

52 References

Related records

Research Area	Document Type	Publication Date
NUTRITION & DIETETICS	Review	2019

Journal Normalized Citation Impact	Category Normalized Citation Impact	Percentile in Subject Area
2.25	2.74	7.24

Consistent metadata feed reliable analysis

REGIONAL AFFILIATIONS

ORGANIZATION TYPE

COLLABORATION NETWORK

CATEGORIES / CLASSIFICATION

ORGANIZATION AFFILIATIONS

ARTICLE IDENTIFIERS

AUTHOR IDENTIFIERS

NUMBER OF DOCUMENTS

WOS USAGE COUNT

DOCUMENT TYPE

FUNDING AGENCY

KEYWORDS PLUS

All article authors

Document

PUBLICATION NAME

PUBLICATION DATE

VOLUME, ISSUE & PAGES

TIMES CITED

CITED REFERENCES

OPEN ACCESS

PUBLISHER

65 M+ publications

1980-2020

InCites

70+ indicators

Updated monthly

223 countries/regions

20 categories systems

700+ categories

39 document types

5 Open Access versions

1200 + unified funders

5K+ unified publishers

14K+ unified organizations

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InCites September 2020 release

Find answers faster using a system that works with you
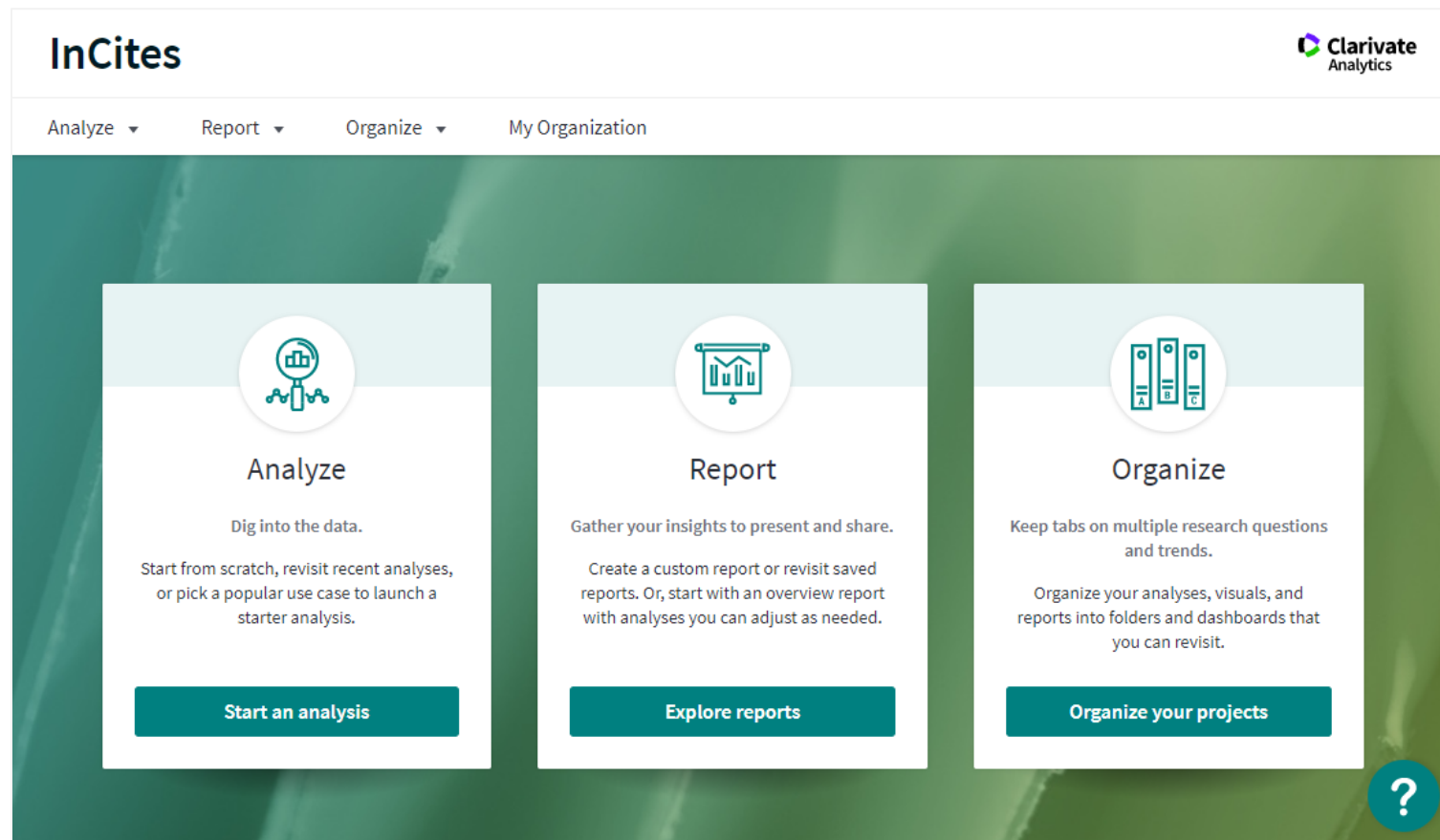
New interface design

Conduct your assessments more easily with fewer clicks, intuitive workflows and dynamic, in-product guidance.

Guided analysis

Reduce onboarding time for new users
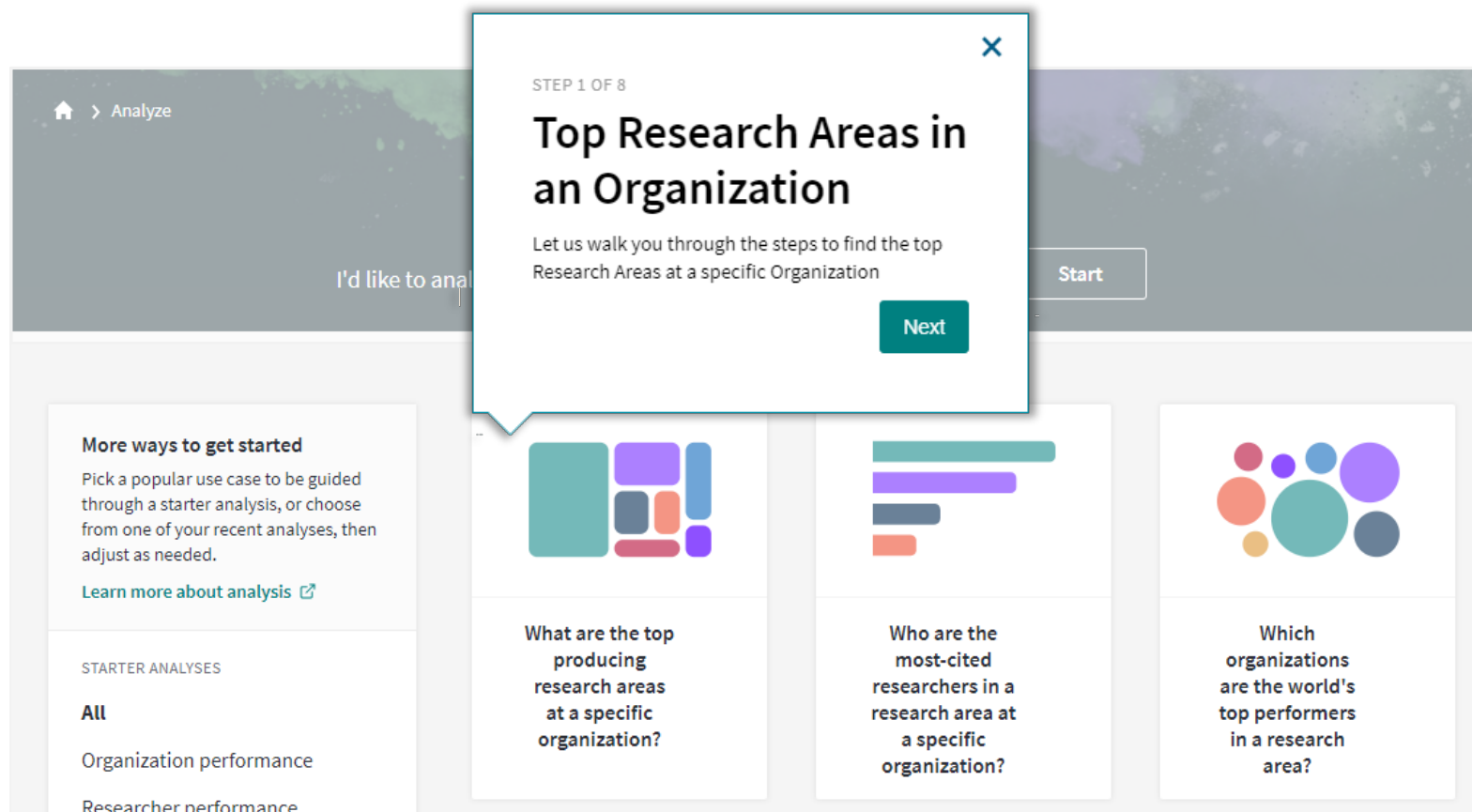
Begin using InCites easily with guides that provide step by step navigation to help you answer common research evaluation questions.

Continuous help

Reduce onboarding time for new users

Quickly get up to speed by accessing tips, updates and training guides in the Resource Center from every page.

Simplified reports

Reduce onboarding time for new users
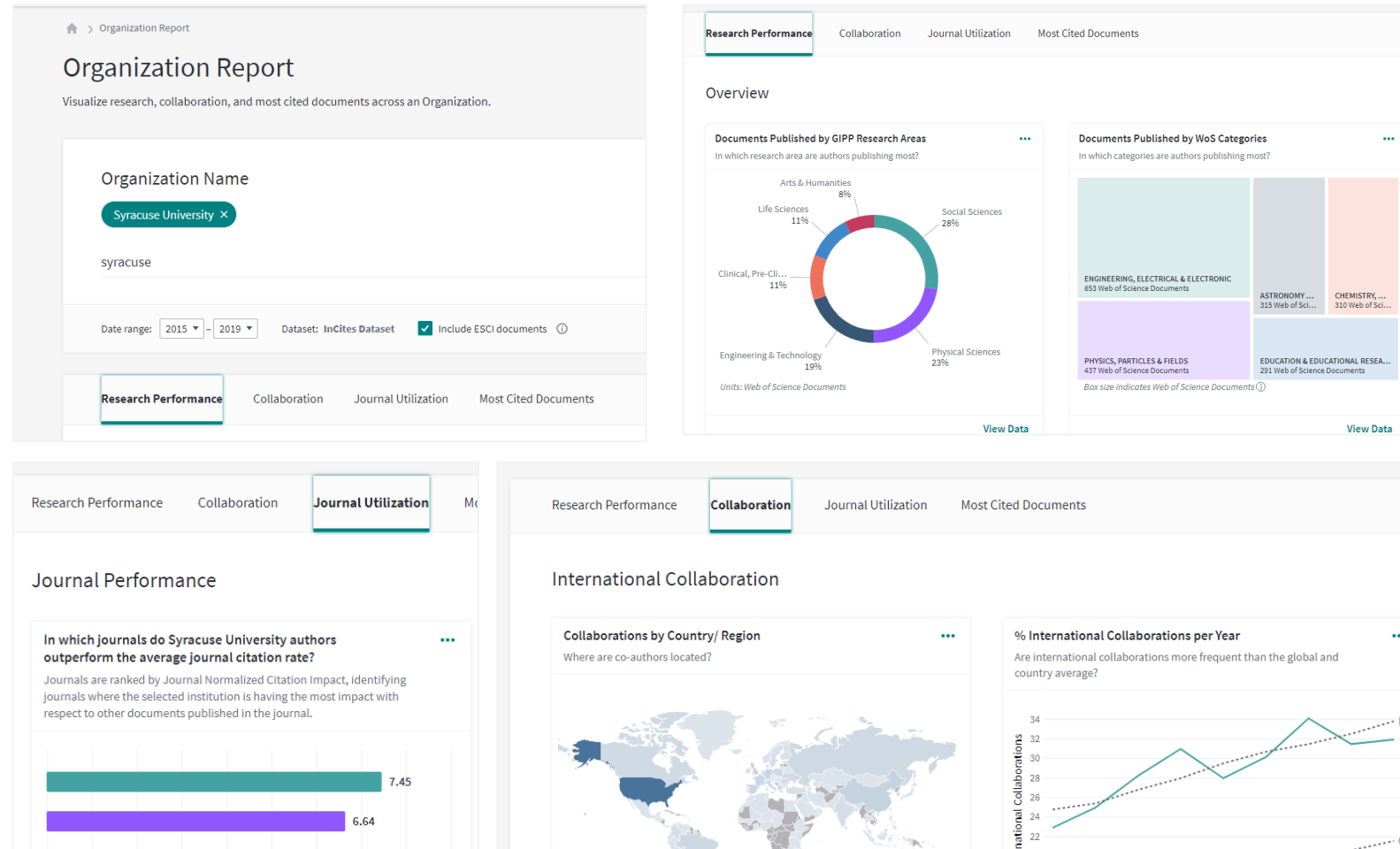
Save time with ready-made overview reports for organizations and researchers that provide multiple perspectives on research performance, and retain your desired settings.

Improved navigation for visualizations

Conduct your analyses more easily
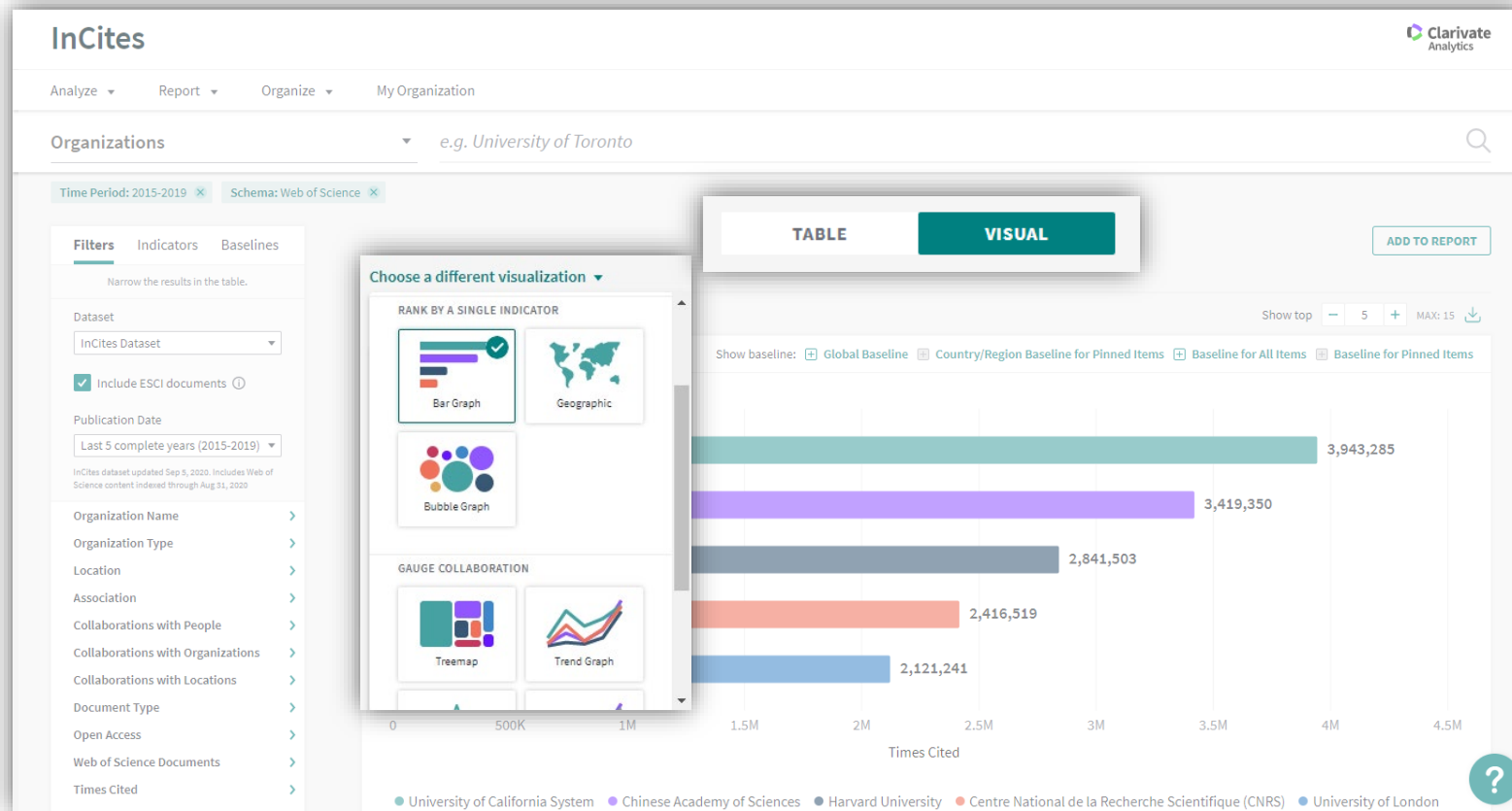
Save time choosing the right visualization with a graphical menu that shows what each option looks like before you select it, and focus your work with separate tabs for visualizations and data.

Simplified refocus tool

Save time conducting your analyses

Ask a new question without having to start over from the beginning by refocusing your analysis from any documents list.

Author position
Q2 2020

Report on author contribution, including first, last, and corresponding author, with new indicators and filters.

Author records (Beta)

Q2 2020

Assess and compare individual authors more easily with 50% fewer researcher name variants in the InCites Researcher module.

Filter on unified Funding Agencies in all entities
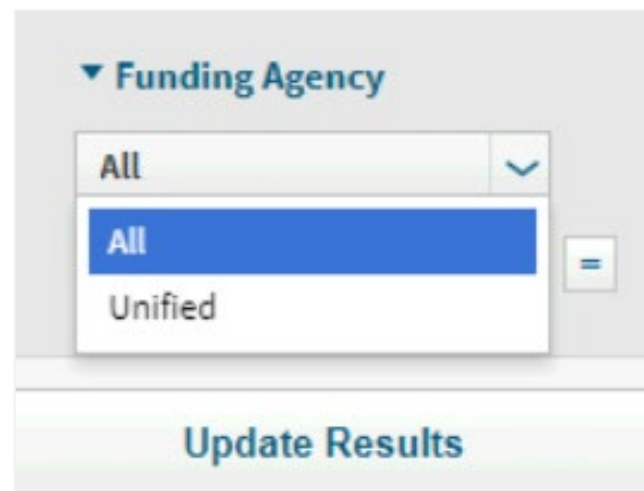
The Funding Agency filter now allows to filter on "Unified" Funding Agency names and "All" - which includes "Unified" names and the other variants currently existing in the product.
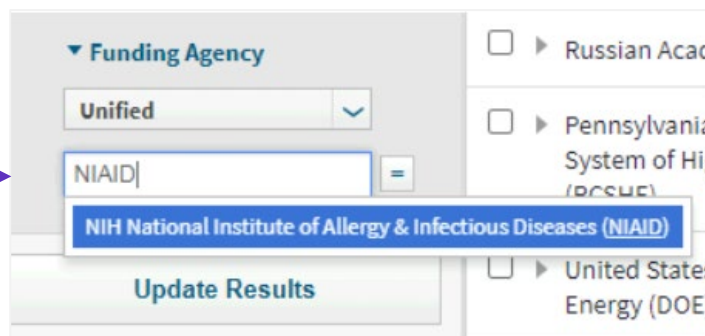
When Unified is selected
- search only on unified funding agencies
- other variants are not visible.
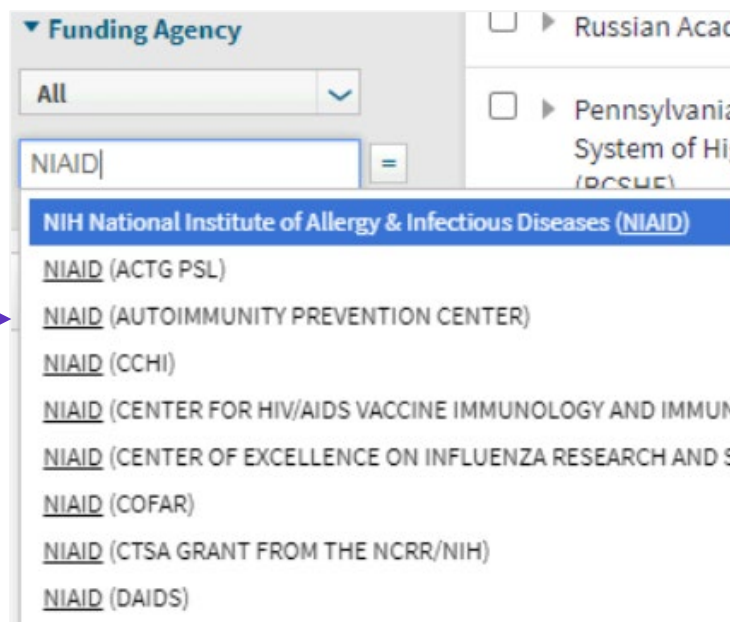
When All is selected
- Unified Funding Agency names are displayed at the top alphabetically followed by other funding agency variants alphabetically.

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Publisher unification

Q2 2020

Assess a publisher's entire portfolio in one click, and identify potential cases of "double-dipping" via filtering.

Data Transparency Initiatives - Document list enhancements

2020

View the documents for all counts in all tables

International Collaborations ...	Industry Collaborations ...	DOAJ Gold Documents	Highly Cited Papers ...
107,910	10,627	32,253	9,876
65,695	6,155	16,257	4,690
36,557	3,718	11,040	2,785
42,560	4,265	14,937	3,218
41,358	4,900	12,707	4,426
40,074	6,668	16,706	3,490
34,557	3,595	11,784	3,282
35,711	3,759	11,007	2,768

Export records from InCites to the Web of Science

☑ 1 of 38 organizations

ORGANIZATION DETAILS

Harvard University

Industry Collaborations (View in Web of Science)
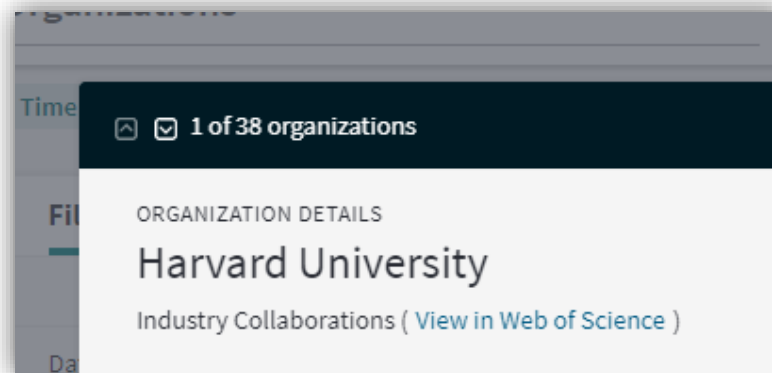
Gain a deeper understanding of performance and conduct more granular assessments with more flexible analysis options.

What is My Organization?

Address from 2020

Addresses:
▲ 1 Kings Coll London, Sch Biomed Engn & Imaging Sci, London, England

Address from 2015

Addresses:
▲ 1 Kings Coll London, London WC2R 2LS, England

My Organization is a new integrated module within InCites Benchmarking and Analytics, enabling institutions to analyse their performance based on their verified data.
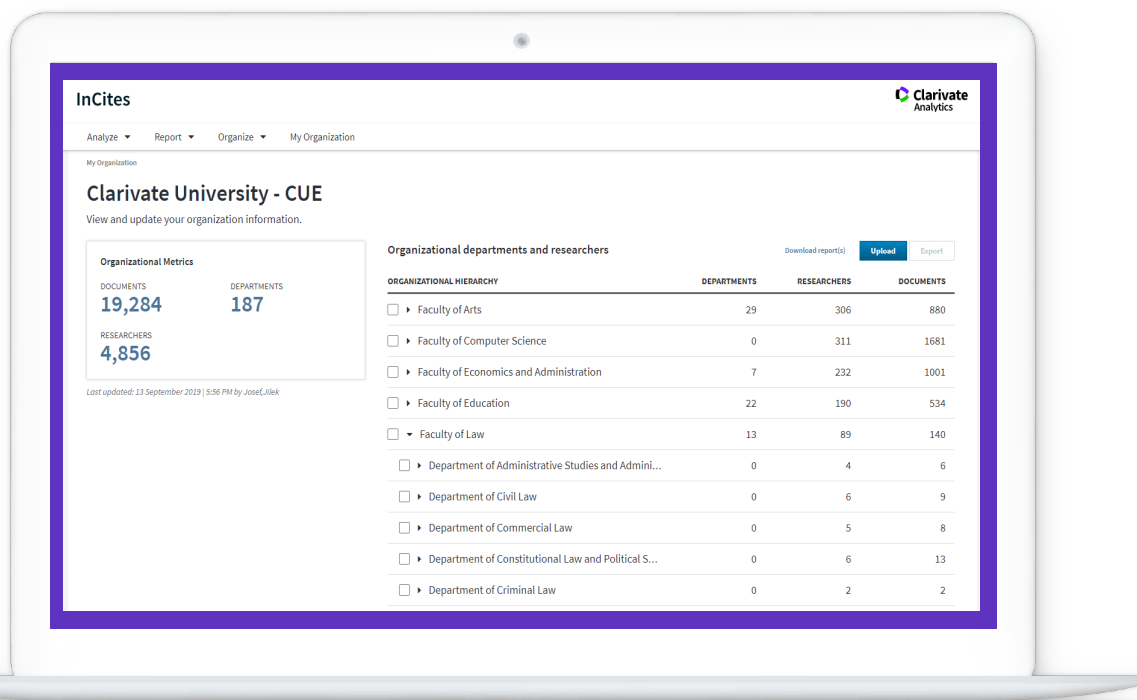
True performance analysis on researcher, department, institution level (up to 5 levels)
Precise author profiles regardless the author's affiliation

My Organization workflow

Obtain results

Benchmark

Visualize

Share

Impact profiles

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Impact Profiles
First described in Profiles not Metrics report
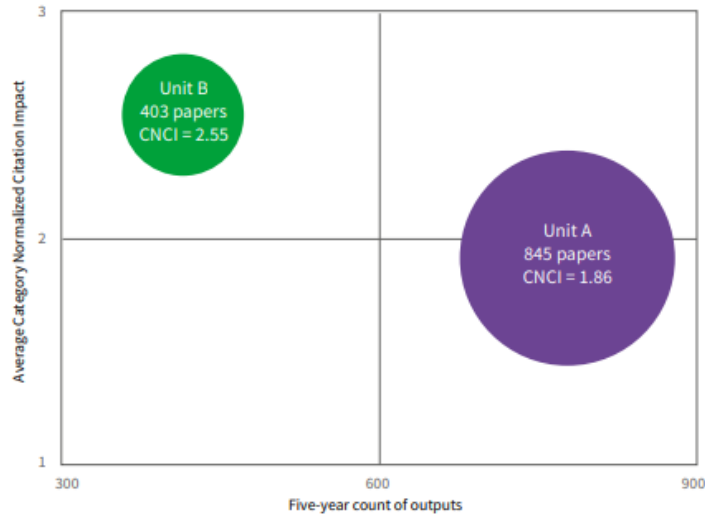
Figure 4. Relative five-year volume of publication output and average Category Normalized Citation Impact (CNCI) of two UK biomedical research units. Unit B has about half the output but a much higher average normalized citation impact than Unit A.
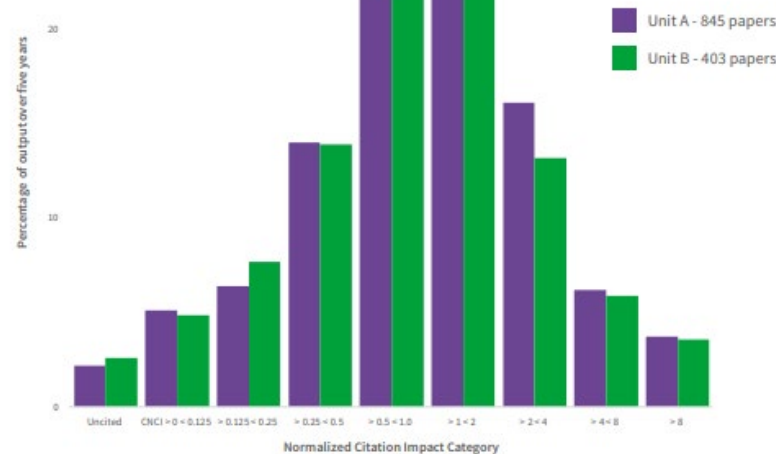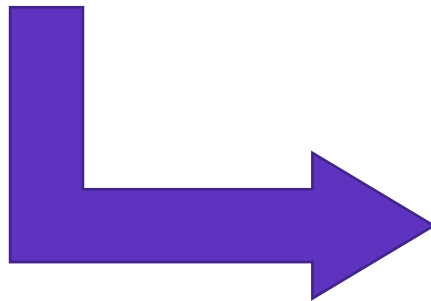
Figure 5. The Impact Profile™ of two UK biomedical research units over five years. The citation count of each paper is 'normalized' by the world average for that publication year and journal category (CNCI: see text) and allocated to a series of bins grouped around that average (world average = 1.0; uncited papers grouped to the left). Counts are shown as percentage output for each unit.

- Confidently interpret CNCI and JNCI values with a new visualization for normalized citation impact indicators that help you create more nuanced comparisons

ISI reports can be downloaded from: https://clarivate.com/webofsciencegroup/solutions/isi-reports/

Introducing Citation Topics

Classification of documents

There are several methodologies – for instance, the WoS subject categories are editorially defined and journals placed into these by editors, using available data and their expertise.
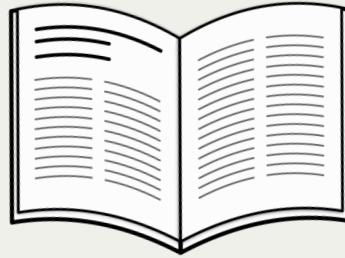
Editorial classification
- Domain expertise and data used to allocate content based on content and scope to established categories.
- Requires subject expertise and human effort, becomes out-of-date without curation.

Terms from title, abstract (or full text)
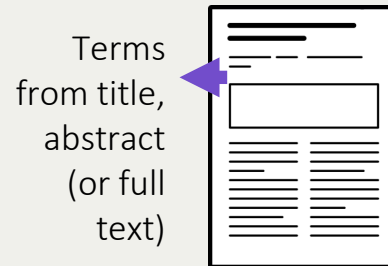
Classification based on content
- Extracted algorithmically from title, abstract or full text – clusters based on relationships between shared terms.
- Can be aligned to a controlled vocabulary using machine learning techniques and a model constructed.
- High computational effort, precision and recall variable, requires subject expertise to train any model.

References   References
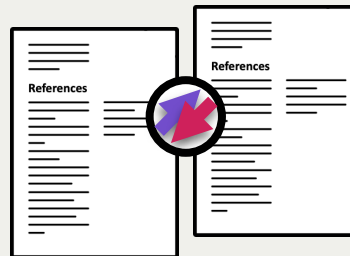
Classification based on citations
- Citation relationships are a natural component of scholarly literature.
- Subject-agnostic, it considers only the actual relationship as defined by citations.
- Medium, but significant, computational effort.

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The concept of Citation Topics

Citation Topics are clusters of documents related by citation.

The clustering algorithm was developed by CWTS Leiden and deployed by ISI.

The output is a three-tier hierarchical classification system with each document belonging to a single micro-topic.

Clustering
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.

Refinement
Small cluster are iteratively combined until they meet the requirements for a micro-topic. Enforcement ensures topics are firmly demarcated. Reinforcement brings together clusters that share the same parent.

~5% articles and reviews remain unassigned to a topic

Micro-topics (2444)
Coherent clusters of documents – a document can belong to only a single micro-topic

Meso-topics (326)
Micro-topics are clustered into larger meso-topics using similar rules.

Macro-topics (10)
Meso-topics are brought together into broad macro-topics.

Macro- and meso-topics were labelled manually based on content. Micro-topics were algorithmically labelled with the most significant author keyword.

2.144.**321** OLEDs
2.**144** Organic Semiconductors
2 Chemistry

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

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Adding Citation Topics to InCites

Citation Topics can be used in any analysis. Selecting the schema lets users choose their level in the hierarchy (macro, meso, or micro).

Adding a topic to the filter automatically displays all associated sub-topics.

All visualisations (plus a new heatmap) and indicators are available.
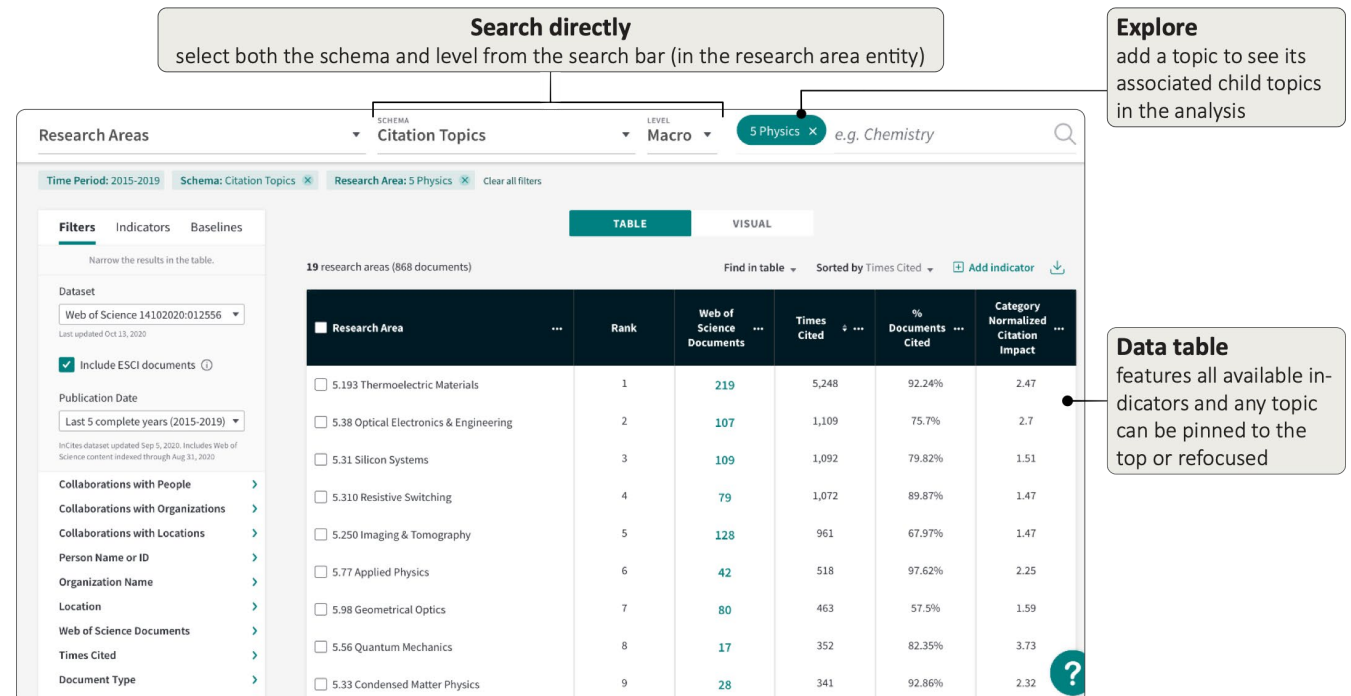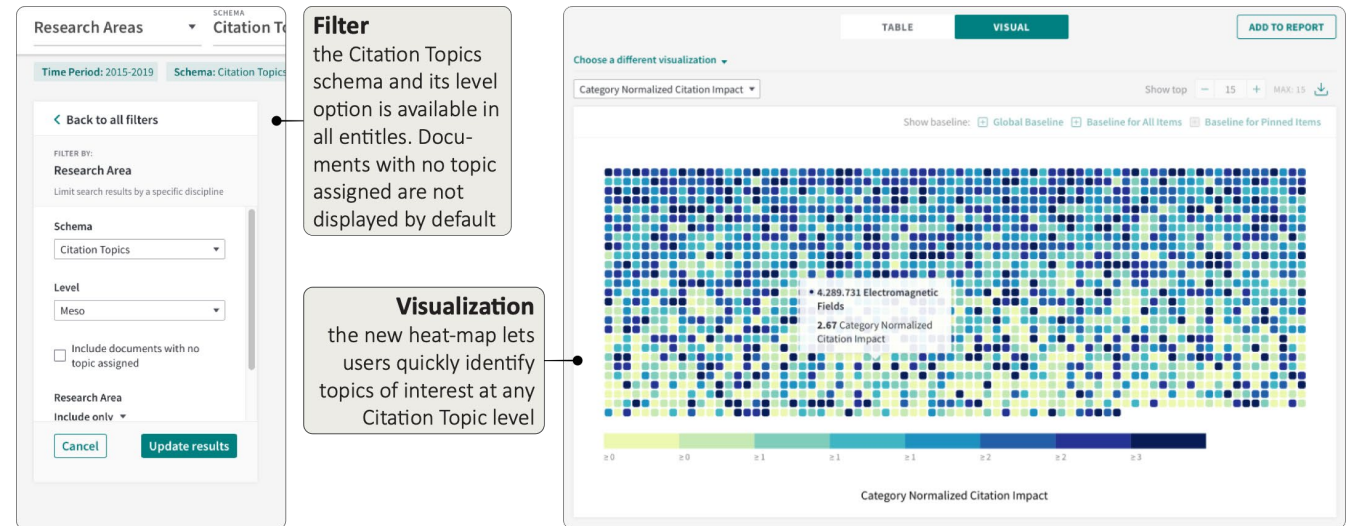

Filter
the Citation Topics schema and its level option is available in all entitles. Documents with no topic assigned are not displayed by default

Visualization
the new heat-map lets users quickly identify topics of interest at any Citation Topic level

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 in the analysis

Data table
features all available indicators and any topic can be pinned to the top or refocused

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What's in a name?

The algorithm only considers the citation relationships between documents – it knows nothing about the subject of those papers or the scope of the topics it constructs.

Citation Topics have been given labels and a stable prefix. The stable prefix ensures that even if we update the labels, the topic will remain identifiable.

2 Chemistry

2 is the macro topic ID for parent topic **chemistry.**
Macro topics were labelled by our ISI team.

2.144 Organic Semiconductors

144 is the meso topic ID for **organic semiconductors**, a child of the **chemistry** macro topic.
Meso topics were labelled by our ISI team.

2.144.321 OLEDs

321 is the micro topic ID for **OLEDs**, a child of **organic semiconductors** in the parent **chemistry** macro topic.
Micro topics were labelled algorithmically.

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Keeping Citation Topics topical

Newly published documents need to be added with each InCites data release.
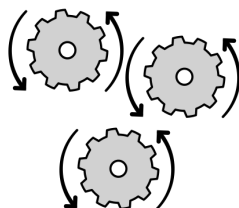
One of the key features of Citation Topics is that they can evolve to reflect change in the underlying literature.
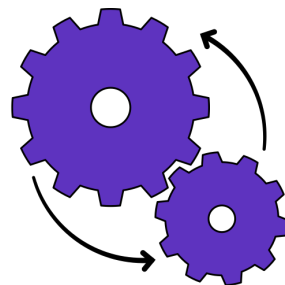
Initial clustering

The clustering algorithm is run across all WoS content from the 1980– and the output evaluated and parameters adjusted.

Final Citation Topics are labelled and introduced to data and product.

Monthly updates

New documents added to existing Citation Topics in each InCites B&A data release. Allocation to topics uses cited references only (the impact of citing documents will be minimal in the initial year after publication).
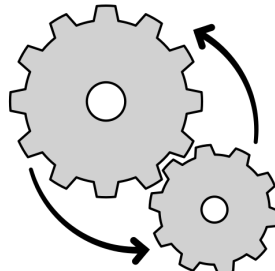
Yearly updates

In each calendar year, we will re-run the clustering algorithm. This will not change the existing topic structure.

New micro topics may be created. Documents may move between micro topics and in some cases to a micro topic with a different meso parent.

Long term maintenance

In each yearly update we create both 'public' and 'private' clusters. The public version ensures a balance between stability and dynamism. The private version ensures we track baseline drift – if this becomes considerable over time, we may opt for a more substantial update.

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Find subject matter experts who work in your specific area of interest
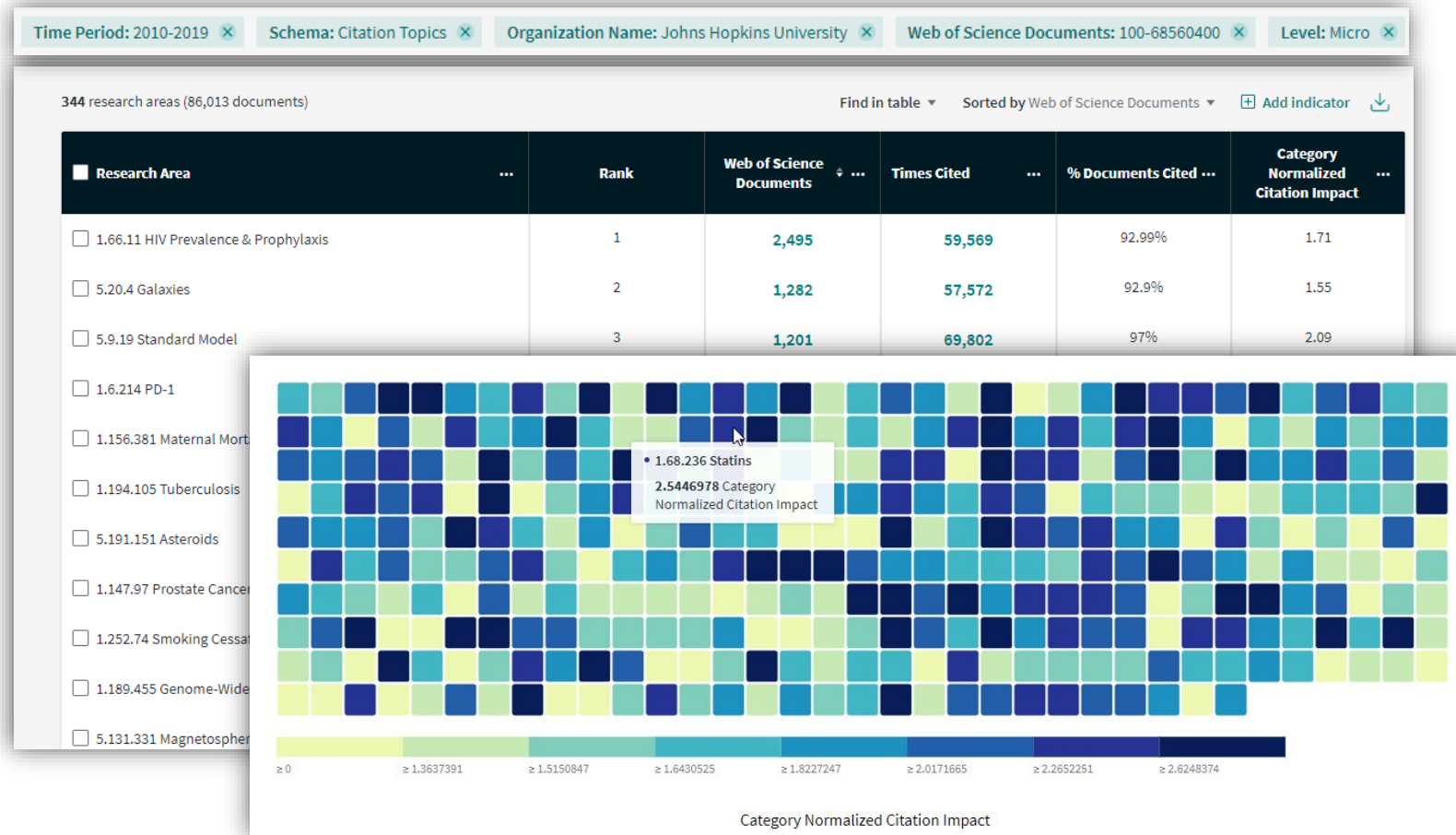

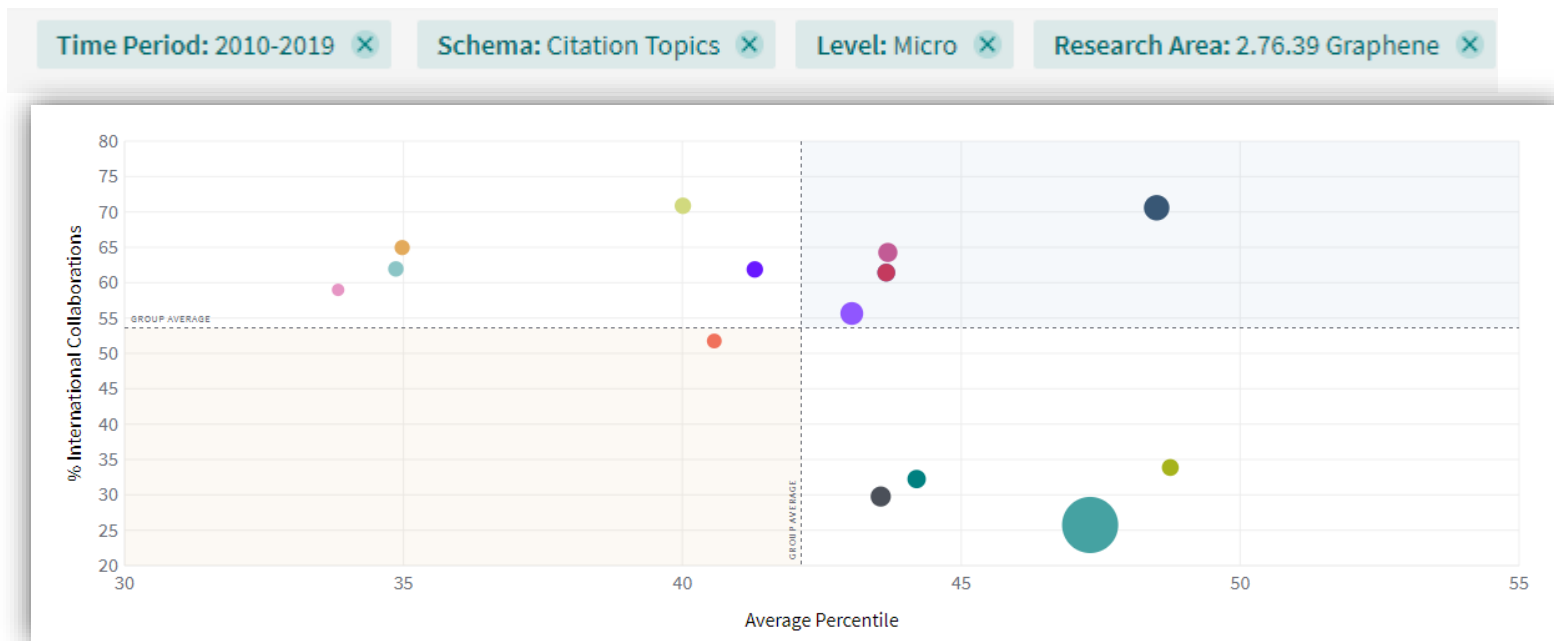Easily gather data to inform strategic partnership and recruitment decisions.

Discover potential collaborators with strengths in the specific areas most relevant to your research project.

Identify the areas driving research excellence within your organization

Quickly understand which specific lines of inquiry are driving the strengths within your organization's research portfolio.

Assess your performance within the areas that matter most

Time Period: 2010-2019 ✕   Schema: Citation Topics ✕   Level: Micro ✕   Research Area: 2.76.39 Graphene ✕

Average Percentile (x-axis)
% International Collaborations (y-axis)

- ● Chinese Academy of Sciences   ● United States Department of Energy (DOE)
- ● Centre National de la Recherche Scientifique (CNRS)   ● University of Texas Austin
- ● Nanyang Technological University
- ● Nanyang Technological University & National Institute of Education (NIE) Singapore
- ● National University of Singapore   ● University of Manchester
- ● Massachusetts Institute of Technology (MIT)   ● Tsinghua University
- ● Consejo Superior de Investigaciones Cientificas (CSIC)
- ● Sungkyunkwan University (SKKU)   ● Peking University   ● Rice University
- ● National Institute for Materials Science

Benchmark your research against peers who work on the same research problems, instead of just those who publish in similar journals.

New ISI global research report on categorization

Data categorization: understanding choices and outcomes

New citation-based, dynamic classification scheme promotes responsible research evaluation.

Being aware of the characteristics and limitations of how we categorize research publications is important. It influences the way we think about established and innovative research topics, the way we analyze research activity and performance, and even the way we set up organizations to do research.

In this latest report from the Institute for Scientific Information (ISI)™ we introduce a new and highly innovative approach to data aggregation based on trusted research data in the Web of Science™ citation network, developed in collaboration with the leading academic scientometrics team at the Centre for Science and Technology Studies (CWTS) at Leiden University in the Netherlands.

This flexible, bottom-up approach demonstrated in InCites ™ Citation Topics showcases a more accurate representation of microclusters, or specialties by providing a more uniform content and improved citation normalization. This allows for the promotion of good data management practice and has a positive impact on improving knowledge, competency and confidence while ensuring the responsible use of research metrics.

https://clarivate.com/webofsciencegroup/campaigns/data-categorization-understanding-choices-and-outcomes/

Rely on InCites to strengthen your institution's standing

Make critical strategic decisions with speed and confidence using a rich array of objective indicators for 40 years of content from the world's leading research publications.

Be a leader in responsible research evaluation by assessing research with category normalized indicators derived from complete and accurate citation data for over 60 million papers.

Make data-driven decisions about your open access strategy using publisher-neutral data and statistics, and pre-built indicators for gold, green and hybrid publications.

Save time evaluating grant outcomes using industry leading funding acknowledgement data to build upon your past successes to sustain future growth.

InCites & JCR 2021 product roadmap

Work in Progress   **Q1 2021**   **Q2 2021**   **Concepts in Discovery**

Outcomes

Researcher experience
Improve researcher experience & workflows

Open research
Drive discoverability and validation of open outputs

Real-world outcomes
Enable responsible research evaluation & assessment

Community
Facilitate connections across the community

Grouping in InCites B&A
Display parent-child relationships
Additional grant sources
Grant amounts displayed in InCites
One account & log in for all products
Zoom in on geographical map
Increased number of Datasets
Collections Management reports

New Journal Citation Reports UI
Double the journals in JCR

Actively exploring

Grants Explorer Module
InCites Rebranding
Reports on SDGs
Sharing Datasets
Research Fronts Explorer
Compare datasets
New journal metric
Build your own collection
JCR integration with Manuscript Matcher

Untested concepts

- Smart Reports
- Researcher self-citations
- Patent citations
- MyOrg link with Author Records

Resources for teaching and learning

InCites Learning Portal

Clarivate LibGuides

Thank you

Eniko Toth Szasz

Eniko.szasz@clarivate.com