

# Importanța colaborării în cercetare

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#### Colaborarea în cercetare

#### Avantaje

- Higher impact of publications + Increased number of publications
- Encourages greater creativity
- Less work: done well, collaboration means less work for everyone without compromising on results
- Criticism!
- Ability to bring more experience to bear: the distributed intelligence of a group increases you chances of solving problems more efficiently.
- Efficient learning: Seeing how a team of experts solves a problem is the best learning that there is.
- Wider array of techniques: a collaboration across lab groups, departments or institutions widens the access to a greater number of techniques used for research
- **Deeper research**: in a collaboration you are forced to do more than clip the top of trees with your research.
- Funding: Getting funding in Europe and the US it is typically much easier in the context of a collaboration
- Impressing investors and funding agencies
- Better and more concrete networks built through collaborations
- Knowledge of what others are doing
- Less risk: there are many more degrees of freedom with a collaborative network than there are with a single lab following a single line of research.
- Agility: more likely to exploit an unexpected finding in the setting of a collaboration.
- Early adopters: your collaboration partners are almost by definition your early adopters for your novel approach, new technology, or new hypothesis.



#### Colaborarea în cercetare

...și dezavantaje

- Collaborations can be tricky when there are disagreements between researchers on the experiments to perform or the results obtained.
- Authorship in collaborations is often a sore point. Researchers don't want to give up the scientific credit in research articles, as that is integral to their scientific career and their research funding.
- Sometimes collaborations can take much longer than anticipated.



#### Colaborarea în cercetare

#### **European research area (ERA)**



#### 6 priorities of ERA

- more effective national research systems
- optimal transnational cooperation and competition, including optimal transnational cooperation and competition and research infrastructures
- an open labour market for researchers
- gender equality and gender mainstreaming in research
- optimal circulation, access to and transfer of scientific knowledge including knowledge circulation and open access
- international cooperation.

#### Rankings



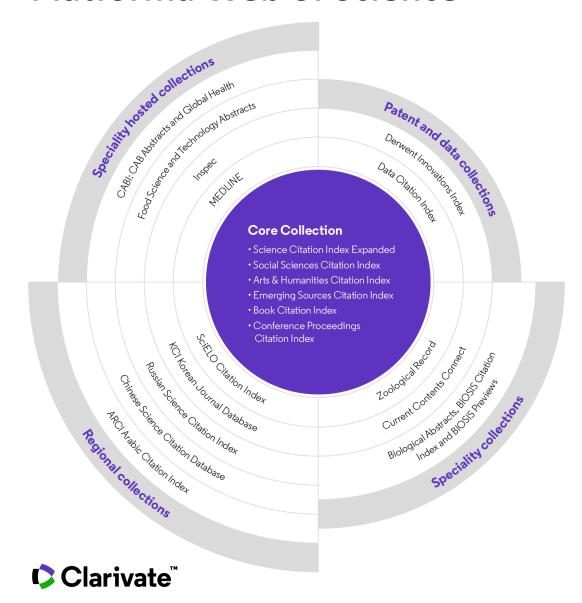




- Guide to collaborative working UK Research Integrity Office
- Global code of conduct for research in resource-poor settings
- Preempting discord: prenuptial agreements for scientists US Office of Research Integrity
- Online training module in collaborative science Columbia University
- Silence is not golden: making collaborations work US Office of Research Integrity
- Montreal statement on research integrity in cross-boundary research collaborations



#### **Platforma Web of Science**



34,000+

Journals across the platform

21,000+

Total journals in the Core Collection

1.9 billion+

**Cited references** 

177 million+

Records

16 million+

Records with funding data

93 million+

Patents for over 43 million inventions

10 million+

Data Sets and Data Studies

**Backfiles to 1900** 

With cover-to-cover indexing

224,000+

**Conference proceedings** 

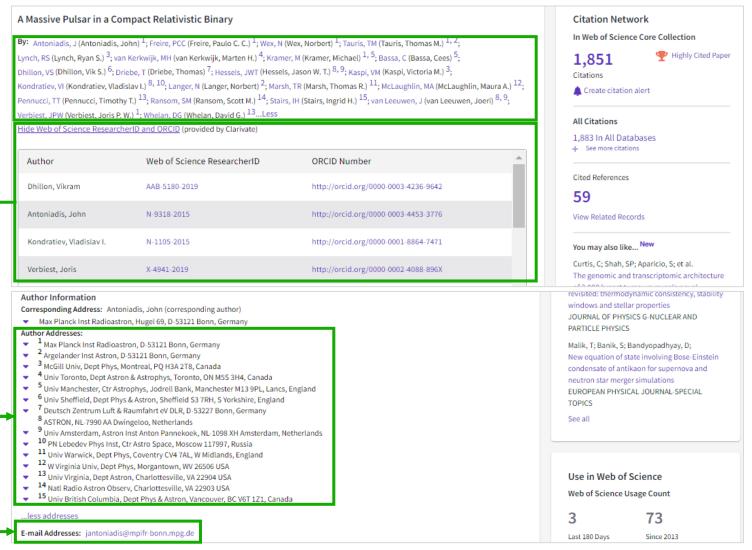
121,000+

**Books** 

# Collaborations with an author Web of Science



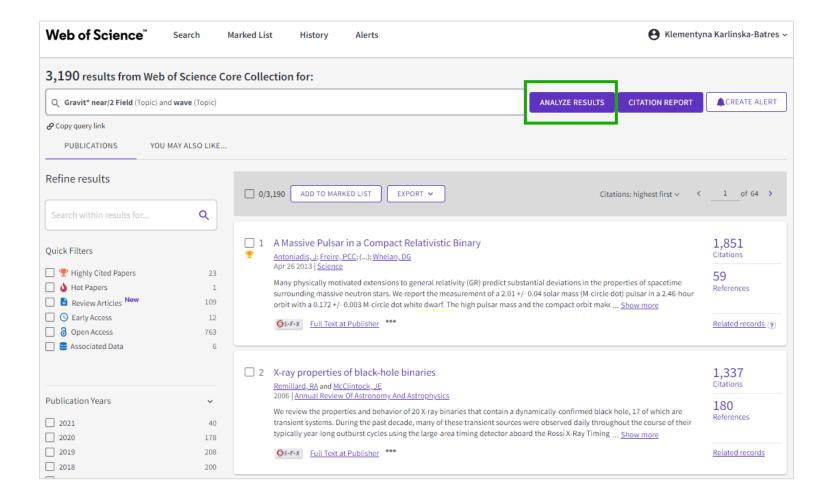
# Who should you be working with?



Web of Science provides collaboration analysis of at institutional and researcher level.



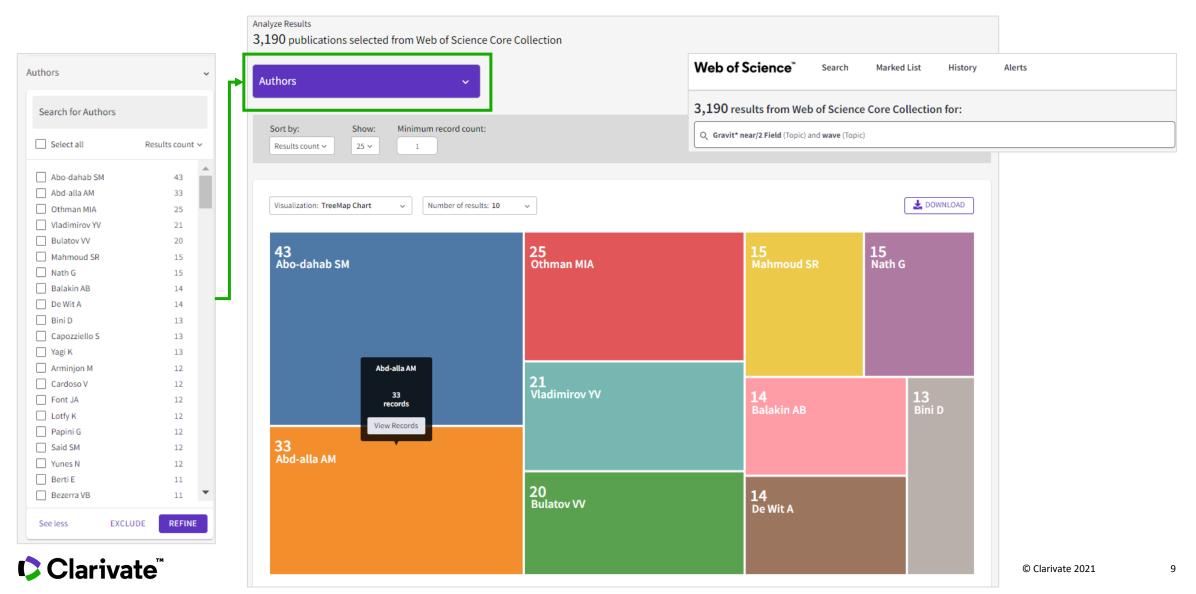
# Who should you be working with?



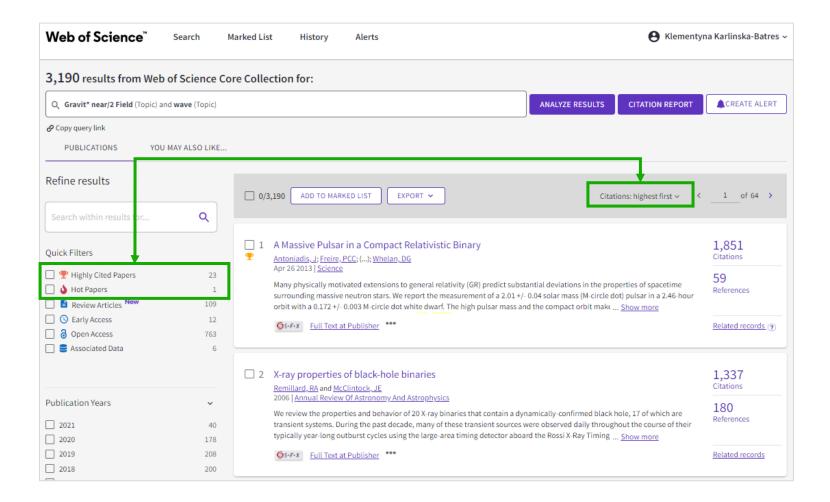
Web of Science provides collaboration analysis of at institutional and researcher level.



# Authors publishing the most in a specific research area



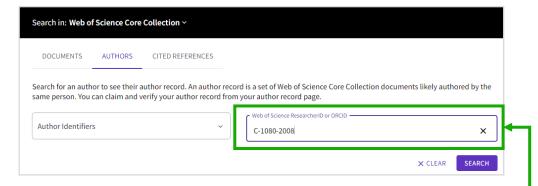
# Authors producing the most impactful papers



- Use quick filters for Highly Cited Papers and Hot Papers to narrow your list to the most impactful research.
- See lists of authors using the Analyze Result option.
- Identify authors with the highest numbers of publications.



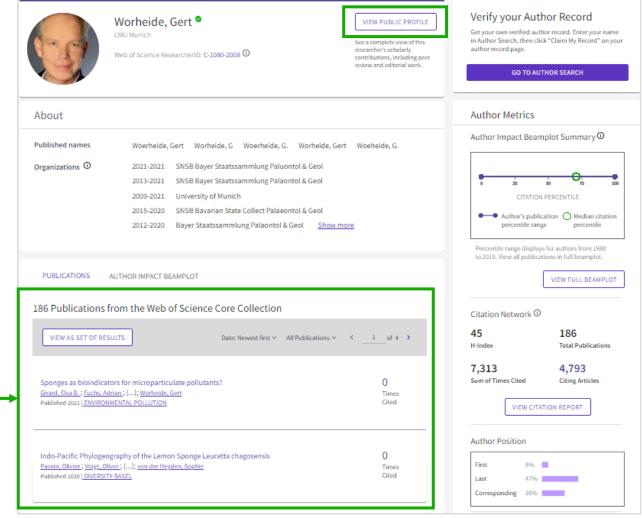
# **Author Records | Overview of the author's output**



Perform an **Author Search** to find records of authors you are interested in. You can search by first and last name or by Web of Science ReseacherID or ORCID identifiers.

In the **Author Record**, you will find all publications of the author and author metrics.

If the author record has been claimed, you can visit the author's Publons profile and find additional information there - publications not indexed in Web of Science, reviewer contributions, links to the author's external websites.

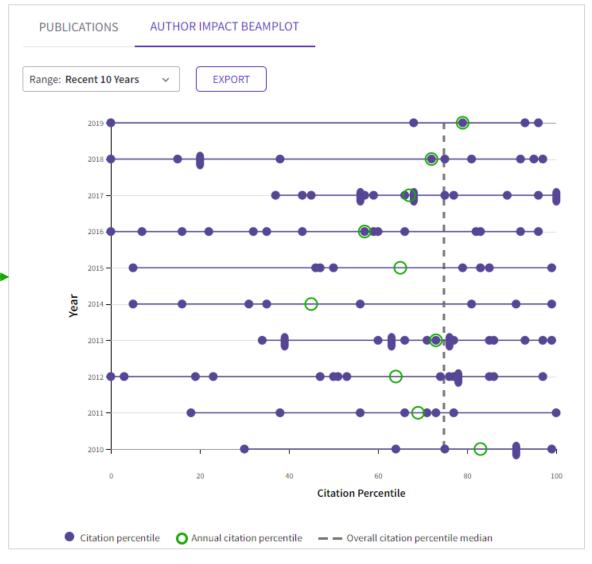




## **Author Records | Metrics**



The summary Beamplot shows a **career overview** for all publications that meet the inclusion criteria.

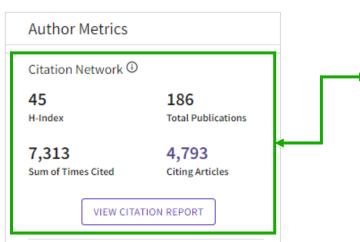


The full Beamplot expands the summary to show each review or article published each year.

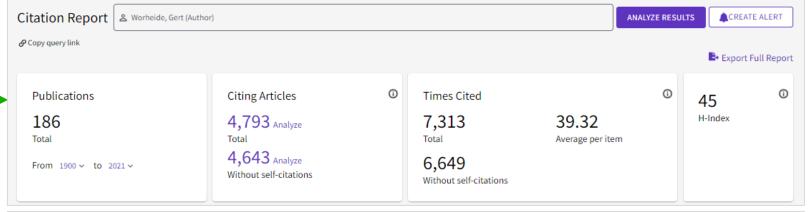
By default, we display the most recent active 10-year span, but this can be expanded to 'Full career' from the dropdown menu. The x-axis represents the percentile value from 0 to 100.



## **Author Records | Metrics**



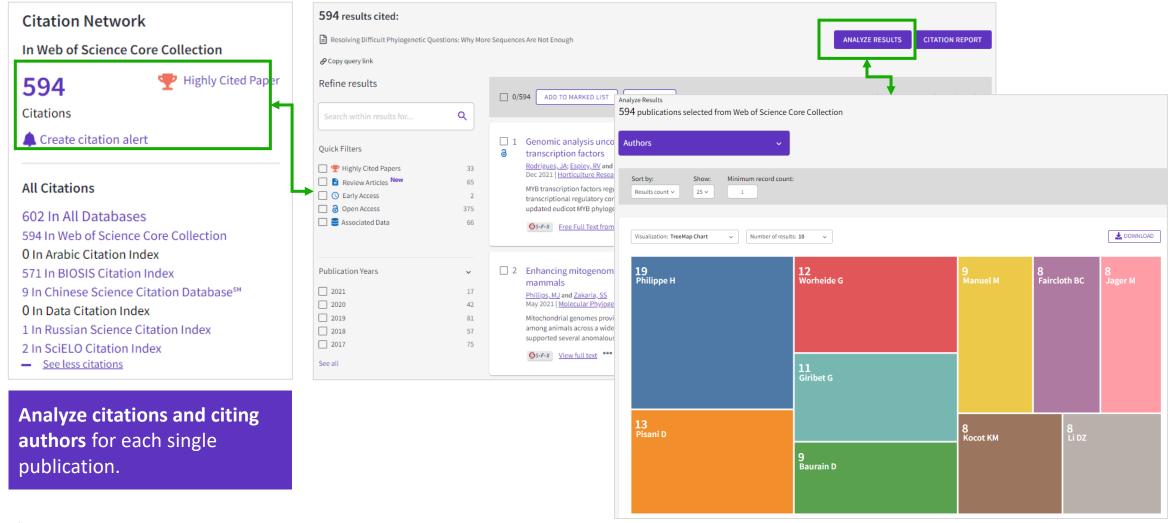
View the full **Citation Report** to see number of citations without self-citations, analyze citations and see recent citations for individual publications.



			Citations						
186	6 Publications Citations: highest first $\vee$ $\langle$ 1 of 4 $\rangle$	< Back			1	Forward >	Average per year	Total	
		2017	2018	2019	2020	2021			
	Total	694	690	744	687	204	304.71	7,313	
<b>⊝</b> 1	Resolving Difficult Phylogenetic Questions: Why More Sequences Are Not Enough <u>Philippe, H</u> ; <u>Brinkmann, H</u> ; (); <u>Baurain, D</u> Mar 2011   <u>Plos Biology</u>	75	57	81	42	17	54	594	
<b>⊝</b> 2	Phylogenomics Revives Traditional Views on Deep Animal Relationships  **Philippe. H: Derelle, R: (); Manuel, M  **Apr 28 2009   Current Biology**	31	28	18	17	1	39.62	515	
<b>(</b> ) 3	Slow mitochondrial DNA sequence evolution in the Anthozoa (Cnidaria) <u>Shearer, TL; Van Oppen, MJH; (); Worheide, G</u> Dec 2002   <u>Molecular Ecology</u>	32	15	23	17	4	19.35	387	
<b>(-)</b> 4	Improved Phylogenomic Taxon Sampling Noticeably Affects Nonbilaterian Relationships <u>Pick, KS; Philippe, H; (); Worheide, G</u> Sep 2010   <u>Molecular Biology And Evolution</u>	22	15	13	4	1	20.17	242	
	A Large and Consistent Phylogenomic Dataset Supports Sponges as the Sister Group to All								

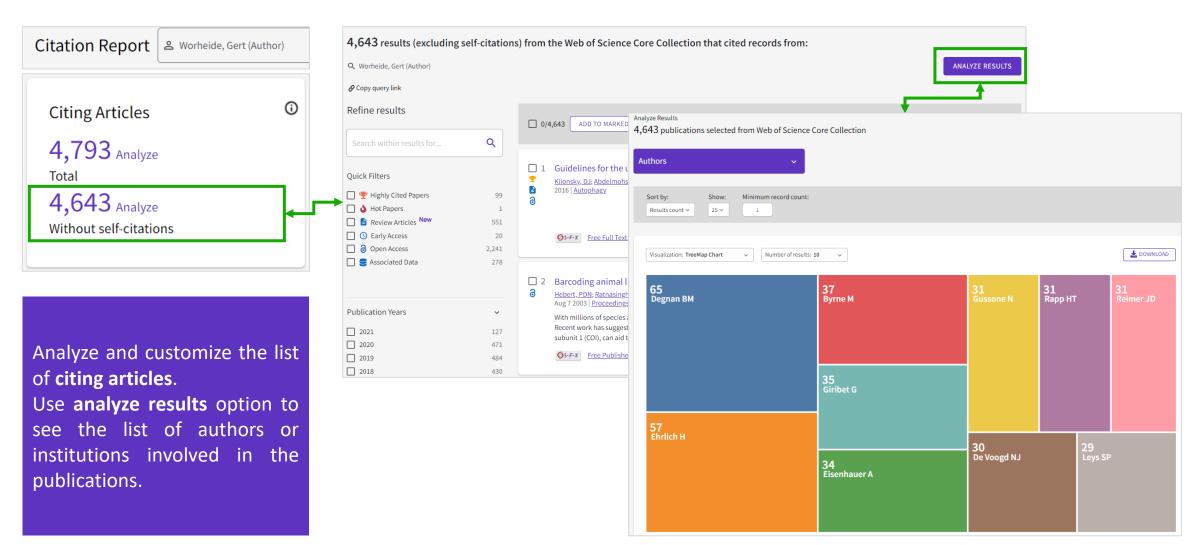


# **Author Records | Citation Report - Which authors cited your work?**



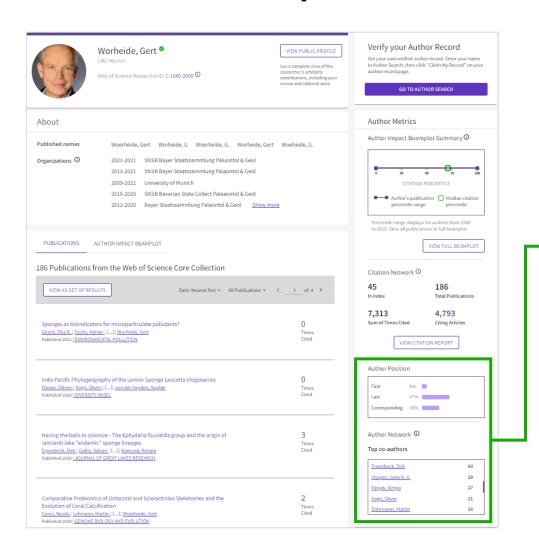


# **Author Records | Citation Report - Which authors cited your work?**





# **Author Records | Metrics**





#### **Author position**

For the publications in the author record, you can see how many times the author was listed as the first, last, or corresponding author.

#### **Top co-authors**

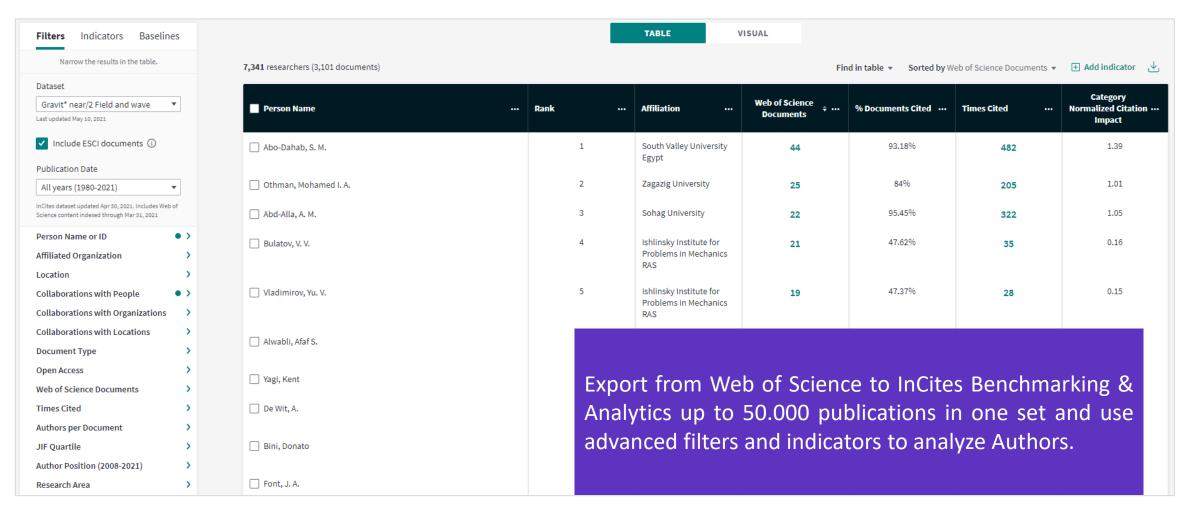
Five authors with whom the author most frequently collaborates can be an inspiration for finding potential future contributors, especially if the author is not interested in collaborating.



# Collaborations with an author InCites Benchmarking & Analytics

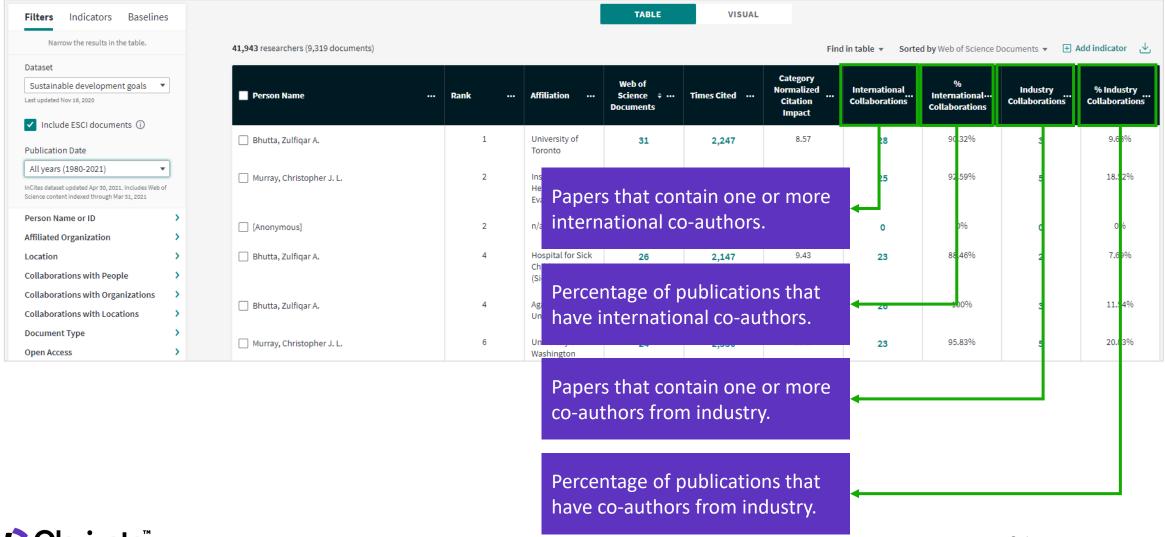


# Who are the authors writing on a specific topic with the highest citation impact?



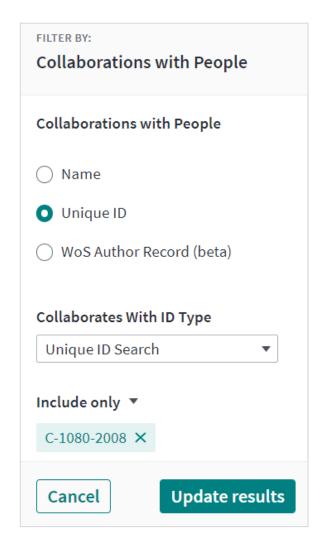


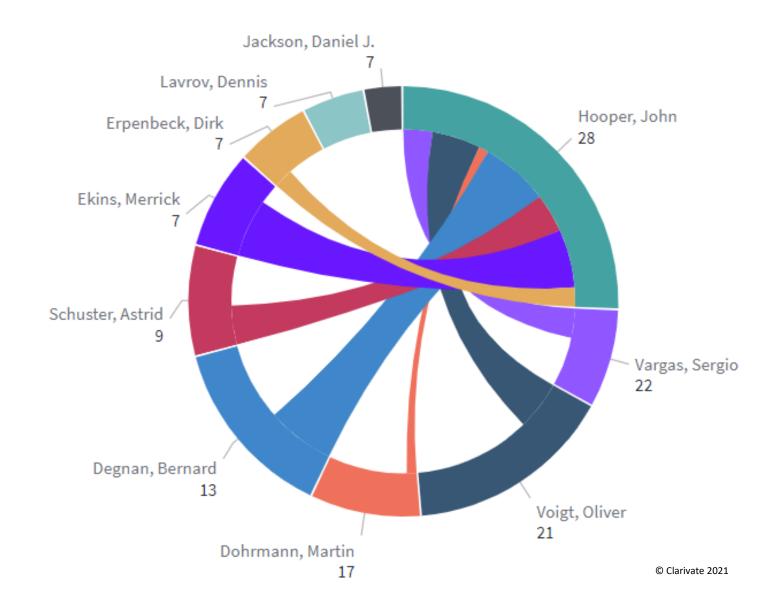
#### **Collaboration indicators**





## **Collaboration Network for an Individual Author**



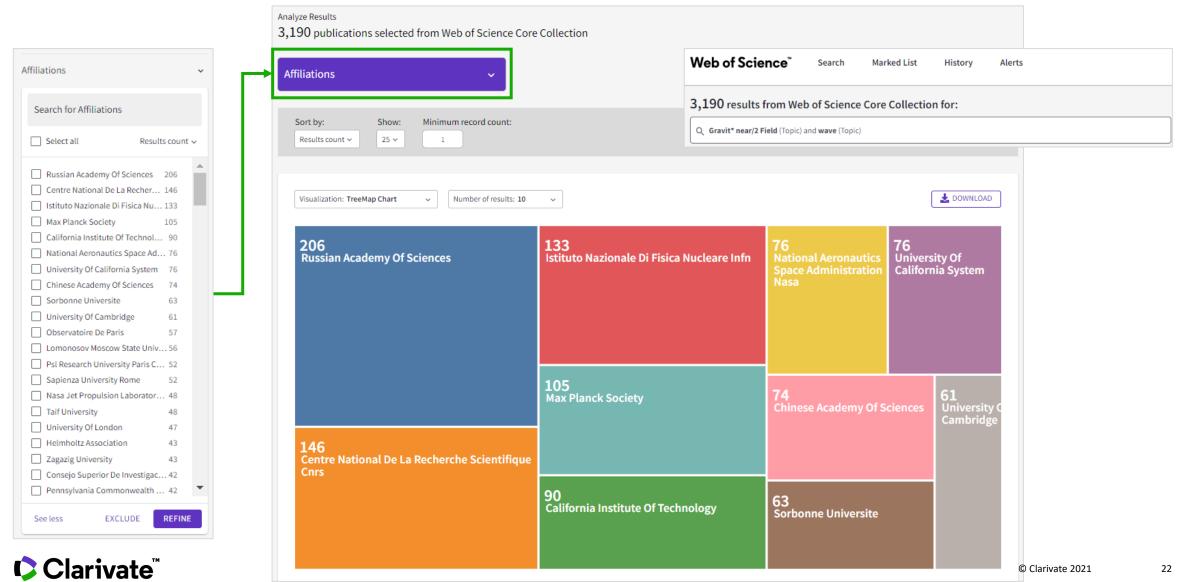


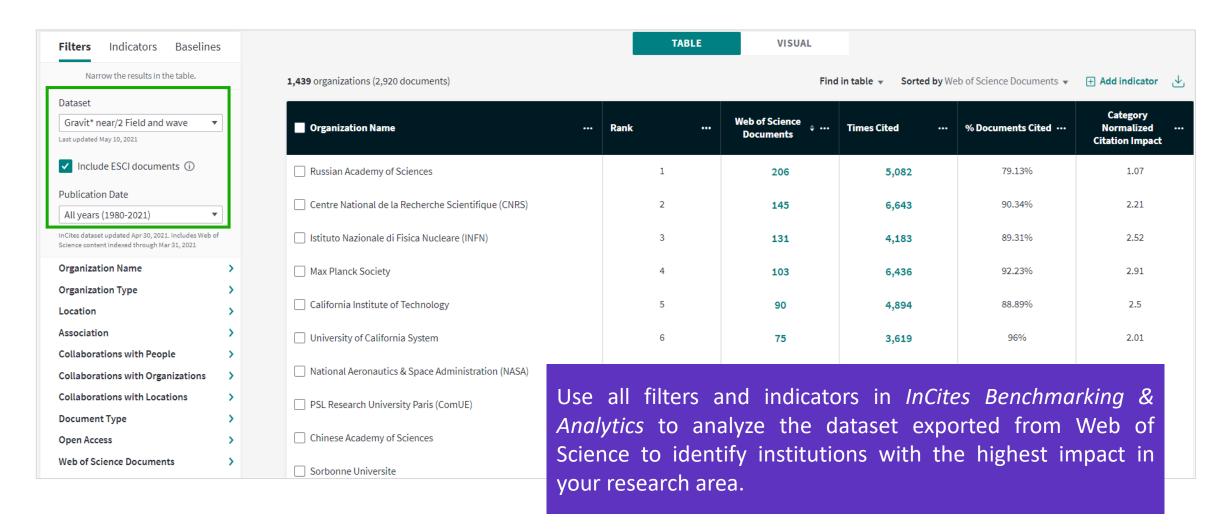


# Collaboration with an institution

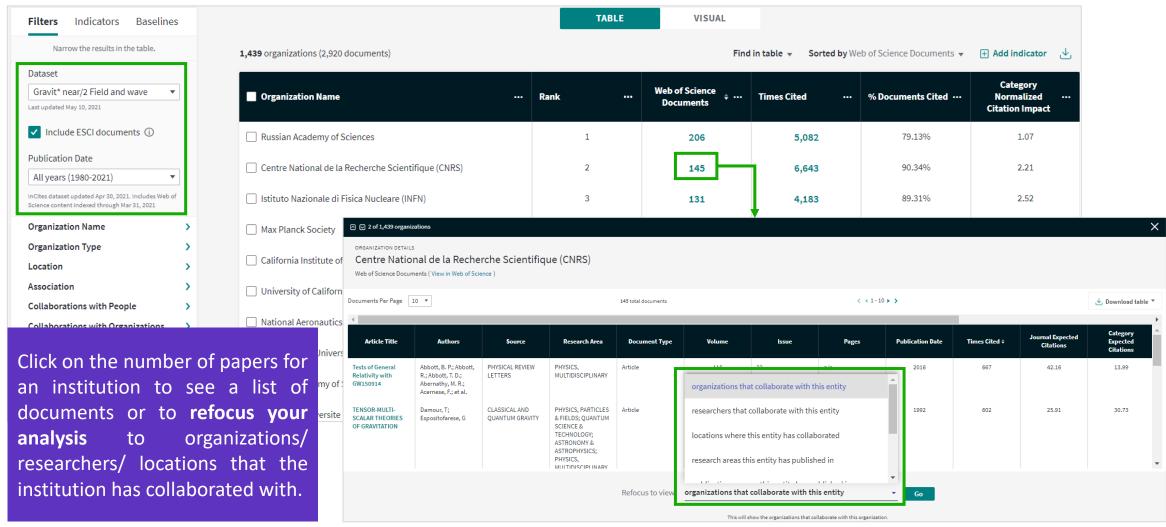


# Which institutions publish the most in your area?



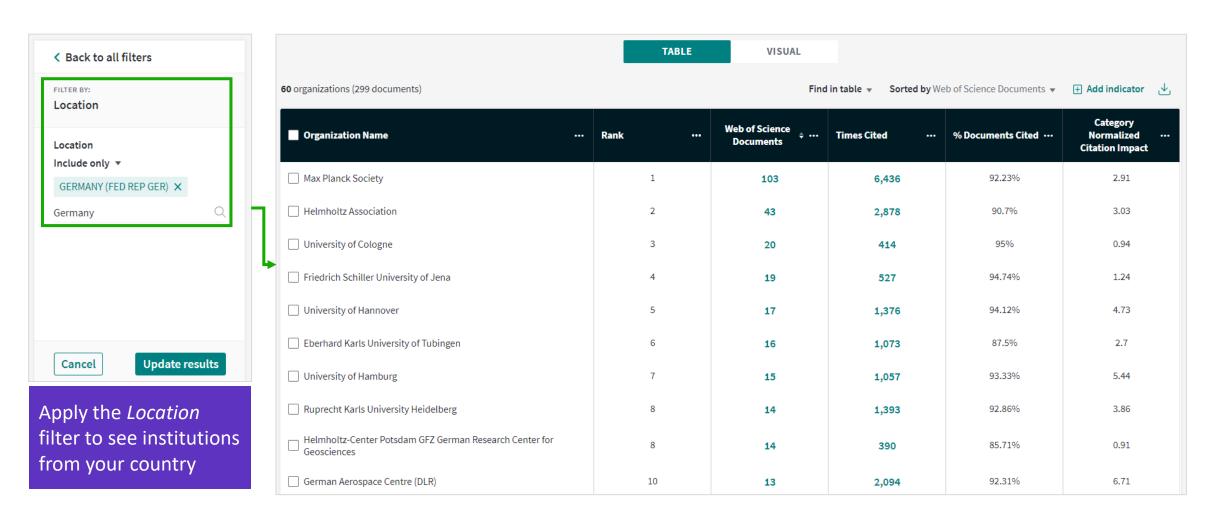






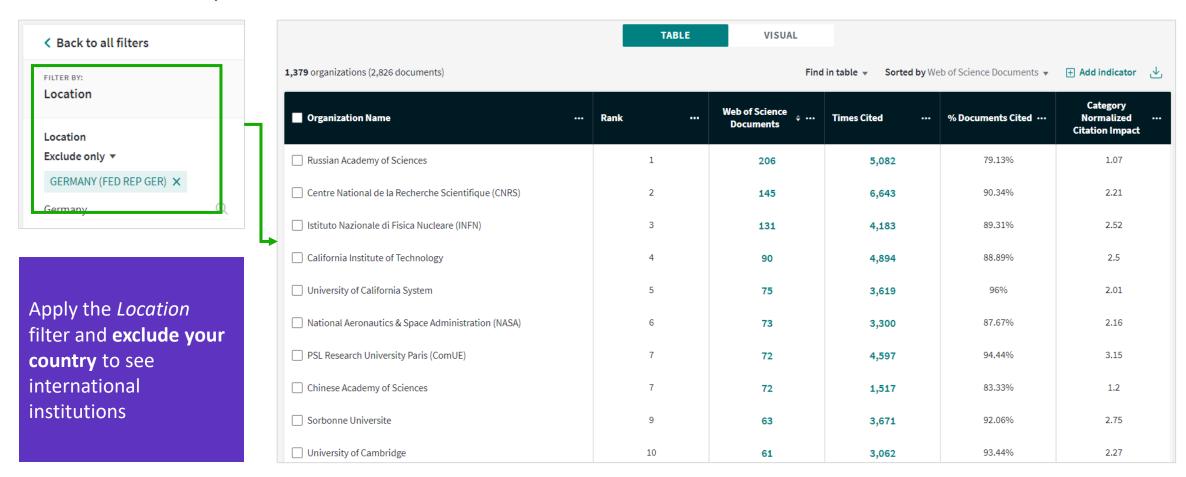


#### National analysis





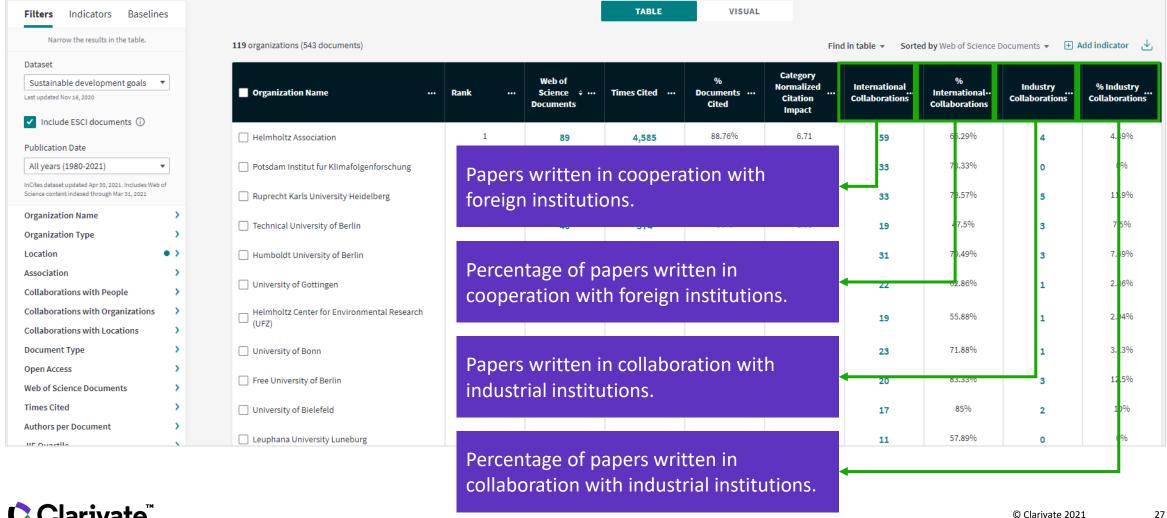
#### International analysis





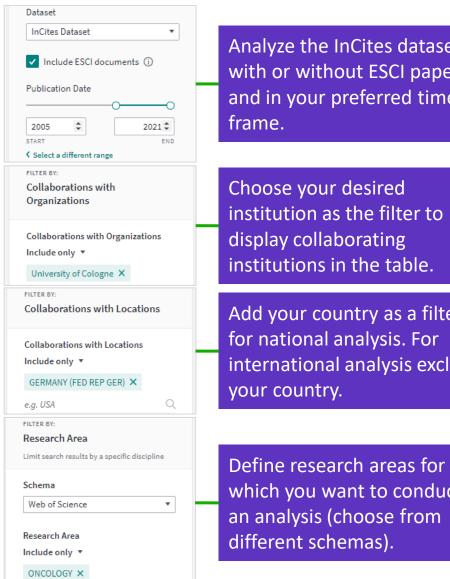
#### Collaboration indicators for institutions

#### National analysis





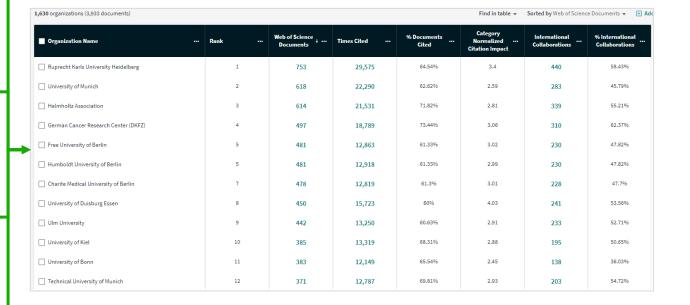
# Collaboration analysis for your institution



Analyze the InCites dataset, with or without ESCI papers and in your preferred time

Add your country as a filter international analysis exclude

which you want to conduct



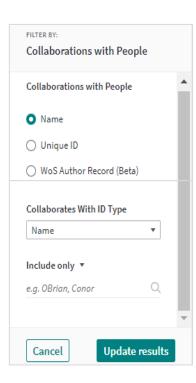
# **University of Cologne - Collaborating Institutions in Oncology**

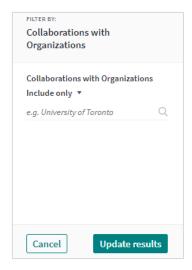


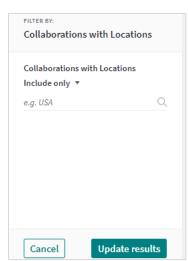
### **InCites**

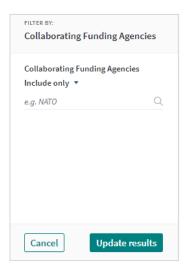
Collaboration analysis tools

• Filters









#### Available in

- Researchers
- Organizations
- Locations
- Research Areas
- Publication Sources

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- Researchers
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#### **Available in**

Funding Agencies



### **InCites**

Collaboration analysis tools

- Filters
- Indicators

ADD INDICATOR

#### International Collaborations

Papers that contain one or more international co-authors

+ Add

ADD INDICATOR

#### % International Collaborations

Percentage of publications that have international co-authors

+ Add

ADD INDICATOR

#### **Industry Collaborations**

Papers that have co-authors from industry

+ Add

ADD INDICATOR

#### % Industry Collaborations

Percentage of publications that have coauthors from industry

+ Add

#### Available in

- Researchers
- Organizations
- Locations
- Research Areas
- Funding Agencies

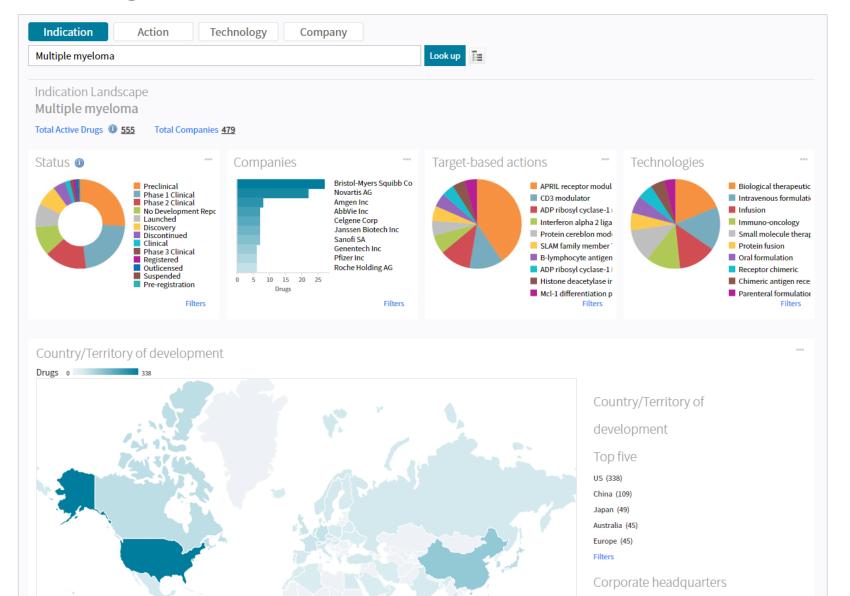


# Our Life Science expertise



# **Cortellis Competitive Intelligence**

Discover international collaborations in your area of interest.

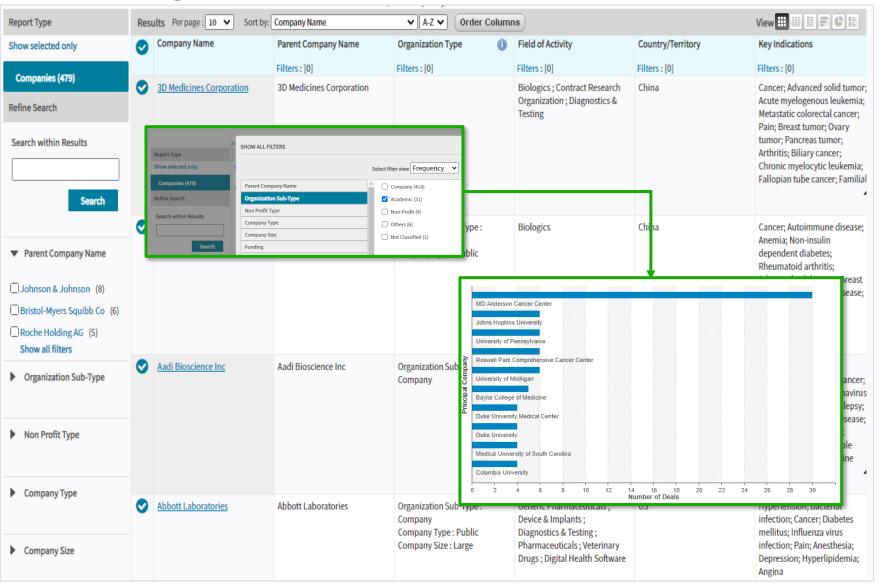




# **Cortellis Competitive Intelligence**

Use filters to drill down by organization type.

In this example, see deals with academic partners.







# Vă mulțumesc!

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### Additional conversations around collaboration



Watch recorded webinar here



Read the report here

# The changing nature of international collaboration [Podcast] Dr. Jonathan Adams, Chief Scientist at the Institute for Scientific Information (ISI)™ shares insights into the current collaborations landscape in the latest episode of our Future of Research podcast. The changing nature of international collaboration - Dr Jonatha

<u>Listen to Podcast here</u>



## **Additional resources**



**Web of Science Learning >** 

Web of Science Academy >

**Events & Webinars >** 

<u>LibGuides</u> >

Videos >

Web of Science Blog >

Web of Science news hub >

**Researcher Recognition >** 









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